

ARCHAEOLOGICAL MONITORING REPORT

Northern Archaeological Associates Ltd

Marwood House Harmire Enterprise Park Barnard Castle Co. Durham DL12 8BN

t: 01833 690800

e: oc@naaheritage.com

w: www.naaheritage.com

WEST STONESDALE PIPELINE RENEWAL YORKSHIRE DALES NATIONAL PARK

prepared for

Morrison Utility Services Ltd.

on behalf of

Yorkshire Water Services Ltd.

Project No.:1233Text:Therese FalkIllustrations:Andy Durkin, Dawn Knowles,
Mark Hoyle

NAA 17/110 February 2018

Northern Archaeological Associates

01833 690800

NAA

info@naaheritage.com

www.naaheritage.com

Marwood House Harmire Enterprise Park Barnard Castle Co. Durham DL12 8BN

QUALITY ASSURANCE			
Project Number	1233		
Report Number	17–110		
Manager	Oliver Cooper		
Draft	Therese Falk		
Graphics	Andy Durkin, Dawn Knowles and Mark Hoyle		
Edit	Oliver Cooper		
Authorised	Frederick Foulds		
Issue 1		13/2/2018	
Issue 2			

Disclaimer

This document has been prepared in good faith on the basis of information available at the date of publication without any independent verification for the exclusive use and benefit of the named client and for the sole purpose for which it is provided. Northern Archaeological Associates does not guarantee the accuracy, reliability, completeness, or currency of the content of this document nor its usefulness in achieving any purpose. This document is not intended to nor should it be relied upon by any third party. Northern Archaeological Associates accepts no responsibility nor liability should this document be used for any alternative purpose other than for which it is intended nor to any third party. Northern Archaeological Associates will not be liable for any loss, damage, cost, or expense incurred or arising by reason of any person using or relying on information in this document.

Author	Therese Falk
Photographs	Therese Falk
Illustrations	Andy Durkin; Dawn Knowles; Mark Hoyle

Client	Morrison Utility Services Ltd for Yorkshire Water Services Ltd		
Location	Yorkshire Dales National Park		
District	Richmondshire		
Grid Ref	SD 950 978		
OASIS Ref	northern1-303019		
Dates of Fieldwork	April 2015 – September 2015		

WEST STONESDALE PIPELINE RENEWAL, YORKSHIRE DALES NATIONAL PARK ARCHAEOLOGICAL MONITORING REPORT

TABLE OF CONTENTS

Sumn	nary		
1.0 Introduction			
2.0	1		
3.0	Summary archaeological and historical background	3	
4.0	Aims and objectives	5	
5.0	Methodology	6	
6.0	Results	8	
7.0	The finds	17	
8.0	19		
9.0	22		
Refer	ences	23	
Appendix A Context and finds catalogue			
Appe	Appendix B Lithics assessment		
Appe	Appendix C Pottery assessment		
Appe	Appendix D Miscellaneous finds		
Appendix E Archaeometallurgical assessment			
Appe	Appendix F Palaeoenvironmental assessment		
Appe	Appendix G Radiocarbon dating		
Appe	Appendix H Drystone wall survey		

LIST OF FIGURES

Figure 1: Pipeline route				
Figure 2: Angram to Thwaite				
Figure 3: Calvert Houses to Gunnerside Bottoms				
Figure 4: Rowleth Wath to Low Whita				
Figure 5: Low Whita to Windy Hall				
Figure 6: Areas 60 and 61, recorded features				
Figure 7: Areas 46 and 56, recorded features				
Figure 8: Area 21, recorded features in relation to earthwork survey				

Figure 9: Areas 7b and 8, recorded features in relation to earthwork survey Figure 10: Illustrated finds

LIST OF PLATES

- Plate 1: Possible Roman road surface 67
- Plate 2: Disused culvert 39
- Plate 3: Revetment for hillside trackway 52
- Plate 4: Culvert intersection 36
- Plate 5: Clearance cairn 37
- Plate 6: Cairn 47 and trackway 48
- Plate 7: Wall remains 42
- Plate 8: Wall remains 40
- Plate 9: Demolished field barn 44
- Plate 10: Wall remains 43
- Plate 11: Wall remains 26
- Plate 12: Field bank 23
- Plate 13: Trackway 24
- Plate 14: Field bank 25
- Plate 15: Floodbank 19
- Plate 16: Field bank 16
- Plate 17: Bank 18
- Plate 18: Field system bank 10
- Plate 19: Field system bank 11; How Hill in background
- Plate 20: Cairn 9
- Plate 21: Enclosure bank 12
- Plate 22: Causeway 15, with enclosure bank 14 in background
- Plate 23: Slag deposit 21
- Plate 24: Wall footing 01
- Plate 25: Culvert 02
- Plate 26: Wall remains 03
- Plate 27: Cultivation terrace 5, west of Reeth
- Plate 28: Field bank 27
- Plate 29: Field bank 31
- Plate 30: Field bank 32
- Plate 31: Culvert 33

Plate 32: Culvert 35 Plate 33: Culvert 29 Plate 34: Culvert 28 Plate 35: Clearance cairn 34

WEST STONESDALE PIPELINE RENEWAL, YORKSHIRE DALES NATIONAL PARK ARCHAEOLOGICAL MONITORING REPORT

Summary

This document presents a final report of the results of archaeological monitoring and excavation in association with the renewal of two sections of potable water pipeline connecting to service reservoirs at Angram, Gunnerside and Reeth, all within Swaledale, in the Yorkshire Dales National Park. The work was undertaken by Northern Archaeological Associates Ltd. (NAA) for Morrison Utility Services Ltd. (MUS) on behalf of Yorkshire Water Services Ltd. between April and September 2015.

The scheme comprised the renewal of two sections of pipeline, which extended for approximately 15km in total and ran through villages and farmland. For the most part, the new water pipe was laid in an open-cut trench within a fenced off easement. At the majority of road and river crossings, the pipe was installed using directional drilling. This method was also employed to avoid negative impact on some areas of sensitive farmland and potential archaeological features.

The remains recorded during the project comprised concentrations of activity separated by areas devoid of archaeological features. The majority of archaeological remains were agricultural in nature, such as field banks, walls and drains, and were post-medieval in date. Earlier features were represented by late prehistoric to Roman period settlement earthworks and field system banks, a possible Roman road, and the remains of 11th-12th-century metalworking activity.

A moderate assemblage of animal and plant remains, as well as artefacts that included lithics, pottery, metalworking debris, glass, metal and construction materials, was recovered. Several periods of prehistory were represented by the lithic material, and the pottery assemblage indicated a long period of human activity in the area, with sherds dateable from the 11th to 20th centuries. One fragment was identified as Roman-period samian ware and was found near the possible Roman road. Animal bones recovered represented the typical range of domesticated animals expected within a rural environment. Carbonised plant remains included both domesticated cereals and wild species, which is consistent with the current and historic land use within Swaledale.

1.0 INTRODUCTION

- 1.1 This report presents the results of a programme of archaeological monitoring and excavation associated with the renewal of two sections of potable water pipeline connecting with service reservoirs at Angram, Gunnerside and Reeth, all within Swaledale in the Yorkshire Dales National Park (Fig. 1). The scheme included the construction of two pumping stations, at Low Whita and Thwaite. The report has been produced by Northern Archaeological Associates Ltd (NAA) for Morrison Utility Services Ltd (MUS) on behalf of Yorkshire Water Services Ltd.
- 1.2 The report has been produced to accord with Yorkshire Water's duty of care in relation to archaeology under the terms of the Water Industry Act 1991 (ch. 56). It also conforms to relevant standards and guidance published by English Heritage (2008) and the Chartered Institute for Archaeologists (2014a; 2014b).
- 1.3 Following a desk-based assessment (NAA 2014) and walkover survey of the route, it was recommended that soil stripping and, where considered necessary, pipe-trenching be subject to continuous archaeological monitoring.
- 1.4 A Level B 'Wall Style and Features Survey' was carried out for 69 drystone walls disturbed by the groundworks. This survey was undertaken in accordance with the guidelines provided by the Dry Stone Walling Association of Great Britain (DSWA 1997).
- 1.5 The archaeological works were undertaken between April and September 2015 in accordance with relevant standards and guidance published by English Heritage (1995; 2003; 2008; 2011), Historic England (2015a; 2015b; 2015c; 2015d; 2015e), Chartered Institute for Archaeologists (2014a; 2014b), the Federation of Archaeological Managers and Employers (2010) and West Yorkshire Archaeology Advisory Service (2009).

2.0 LOCATION, TOPOGRAPHY AND GEOLOGY

Location and topography

2.1 The scheme comprised the renewal of two sections of pipeline, extending for approximately 15km in total. The western section (Fig. 2) ran south-eastwards for approximately 1km from a service reservoir (SD 884 993) off Skeugh Head Lane, to

the south of Angram, following road B6270 for some distance before crossing fields to a new pumping station at Thwaite village (SD 892 982).

- 2.2 The eastern section started at an existing main to the west of Calvert Houses (SD 922 980, Fig. 3), continued eastwards across farmland, joined the public road at lvelet and crossed Shore Gill (SD 936 979) close to the River Swale. On the eastern side of Shore Gill, the route ran eastwards, turning to the north and then to the east before joining a branch running from a service reservoir (SD 946 985) to the west of Gunnerside. From here, the route ran south-eastwards across farmland and crossed Gunnerside Beck at Gunnerside New Bridge (SD 950 978). The route continued across fields on Gunnerside Bottoms, crossed the River Swale (SD 956 977) and followed a lane for 400m. After running through farmland, the route re-crossed the Swale at Rowleth Wath (SD 969 975; Fig. 4) and continued north-eastwards along the north side of the river, skirting to the north of Isles Bridge (SD 977 975).
- 2.3 To the east of Low Row, the route again crossed to the south side of the Swale (SD 990 981; Fig. 4) and continued through farmland. The pipeline joined the new pumping station to the south of Scabba Wath Bridge (SE 006 983), after which it re-crossed the Swale at the ford to the east of the bridge and ran along road B6270, crossing Barney Beck (SE 015 987; Fig. 5) and leaving the line of the road to the south of Healaugh.
- 2.4 East of Healaugh the pipeline followed the route of road B6270 into Reeth village (SE 038 994). The proposed route along Arkengarthdale Road was abandoned in favour of one which ran through farmland to the east of the road and connected with a service reservoir to the north-west of Windy Hall (NZ 031 004).

Geology and soils

- 2.5 The solid geology within the area comprises Carboniferous Millstone Grit overlying Limestone (BGS 2018), which is exposed along the valley sides. The dale bears the characteristic U-shaped profile of glacial activity, which has left an infilled lake at Gunnerside Bottoms, towards the western end of the area. Throughout the route, predominantly on the hill slopes, glaciation has left deposits of boulder clay, and the River Swale has deposited alluvium along its flood terraces. On the upland to the north of Muker and at East Stonesdale are extensive peat deposits.
- 2.6 The soils in the area vary considerably. At East Stonesdale, there are extensive acid peat deposits of the Winter Hill association (Jarvis *et al.* 1984, 312–3), while at

Thwaite and to the north, the soils are mapped as slowly permeable fine loams of the Brickfield 3 association (*ibid.*, 123–6). Around Muker there are permeable fine and coarse loams of the Wigton Moor association, derived from the river terrace and glacial drift deposits (*ibid.*, 305–7). For the eastern half of the route, the soils comprise shallow, lime-rich loams of the Wetton 1 association (*ibid.*, 296–8) with stoneless loams of the Alun association (*ibid.*, 88–91) close to the Swale.

3.0 SUMMARY ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

3.1 The area of investigation has been subject to a Desk-Based Heritage Appraisal (NAA 2014), which provides a comprehensive account of Conservation Areas and heritage assets within an extended study area; only a summary of the information relevant to the archaeological investigations is given here.

Prehistoric and Roman

- 3.2 Earlier prehistoric sites within the study area include two possible Neolithic long barrows on terraces overlooking the Swale, one at Sand Beds to the west of Low Whita and the other near Browna Gill Bridge, to the east of Low Whita (Figs. 4 & 5). These have not been excavated and their interpretation is therefore tentative. Three scheduled burial monuments of Bronze Age date have been recorded on the hill slopes and river terraces near Reeth. Several isolated mounds or piles of stones may also represent the remains of burial mounds, and there are possible settlements of Bronze Age date close to Healaugh and Browna Gill (Fig. 5). A bronze axe found near Healaugh may have been a ritual deposit, or derived from a ploughed-out burial, although a casual loss cannot be discounted.
- 3.3 The Scheduled Monument of How Hill is the site of a settlement of prehistoric to Roman date, located on a drumlin on the Swale floodplain near Low Whita, immediately to the north of the pipeline route (Fig. 4 & 5). The site comprises concentric earth and stone banks and ditches, possibly enclosing hut platforms. How Hill is one of several defended enclosures recorded throughout the Yorkshire Dales, another being Maiden Castle to the south-east of Healaugh (Fig. 5). A fenced settlement was investigated to the east of Healaugh between 1988 and 1990, comprising a group of six or seven building platforms, of which one was completely excavated (Fleming 1998, 148-152). This revealed a sequence of roughly circular buildings dating from the late Iron Age to the 2nd century AD or possibly later (Fig. 5).

3.4 In addition to the more-prominent sites of the period, there is a wider landscape of Iron Age / Romano-British enclosures, isolated or clustered hut platforms and field systems. Some of the field systems extending up the valley sides and onto the moorland were co-axial (set out on two perpendicular alignments) and are likely to have originated in the Bronze Age (Laurie *et al.* 2011, 37-59).

Medieval

- 3.5 Two earthworks on the south bank of the Swale are known as the Grinton Dykes and are Scheduled Monuments; the equivalent pair on the north bank of the River Swale and Arkle Beck are known as the Fremington Dykes. An early medieval date, perhaps the 7th century, has been ascribed to the earthworks (White 2005, 45-6), although they were once considered to have prehistoric or Roman origins.
- 3.6 Only three of the place names of settlements within the study area were recorded at Domesday (AD1086). One is Reeth, its name derived from the Old English for 'stream' (Ekwall 1960, 384). The name Grinton, now a village in a parish encompassing much of the upper dale, was derived from Old English for 'green village' (*ibid.*, 206), while Fremington was Old English for 'the settlement of Fremi's people' (*ibid.*, 187).
- 3.7 Many hamlets and villages found upstream of Reeth along the River Swale bear names of probable Old Scandinavian origin. However, such names are rare downstream, suggesting early medieval separation of the upper and lower dale between people of Norse and English descent respectively. The village of Thwaite is thought to have medieval origins and the name probably derives from Old Scandinavian þveit, which had a range of possible meanings including: 'a meadow' or 'a clearing' (Ekwall 1960, 472). Muker was first recorded in AD1274 and is derived from Old Scandinavian for 'narrow field'; Healaugh, first recorded in the 12th century, appears to have an Old English derivation influenced by Old Scandinavian, its name meaning 'high clearing' (*ibid.*, 229, 333); and Gunnerside was Old Scandinavian for 'Gunnarr's upland pasture or shieling' (Morris 1982, 124).
- 3.8 During the medieval period, the dale supported a mixture of moor and riverside pasture and arable land along the valley sides, the latter indicated by lynchets on steeper slopes and areas of ridge and furrow on the more level land.

Post-medieval and modern

- 3.9 Some 53 Listed Buildings lie within the study area, many within the village Conservation Areas. Only the 16th-century Ivelet Bridge is Grade II*, the remainder being Grade II. The majority of the Listed Buildings comprise houses and shops, public houses, farm buildings and bridges. In addition to the aforementioned Ivelet Bridge, the latter include Gunnerside New Bridge, Scabba Wath Bridge and Barney Beck High Bridge.
- 3.10 The Barns and Walls Conservation Area encompasses much of the dale and the pipeline route therein. There are over 280 field barns in the area, some constructed as early as the 17th century, while others may be of early 20th-century date.
- 3.11 From the late medieval period, there was a steady growth in industrial activities. The Dales were a relatively rich source of lead, which had been mined since Roman times, and much of the later expansion of the settlements within the area was driven by lead mining. To feed this growth in the settlements, numerous quarries and lime kilns were developed, the majority operating for a relatively short time. The roasting of lime was important both to improve the condition of arable fields and for the production of mortar.

4.0 AIMS AND OBJECTIVES

- 4.1 The main aim of the archaeological watching brief was to mitigate any damage caused to heritage assets during the development. This aim was to be achieved by the recording of any archaeological features and deposits uncovered during the course of the development. The main objectives of the work were:
 - to provide a detailed record of any archaeological remains in advance of their damage or loss through development;
 - to more fully understand the extent, nature and date of any archaeological remains, the periods of occupation, and the relationships between the various phases of human activity;
 - to recover and assess any associated structural, artefactual and environmental evidence to help inform understanding of the layout, date, function, phasing, development and economic basis of any remains uncovered;

- to provide a means of assessing in detail the impacts on the archaeological resource of the area as a basis for future decisions about the preservation of deposits in situ or recording in advance of construction;
- to undertake a scheme of works that meets with the professional standards for archaeological work both nationally and with the local authority within which the development occurred (Campbell *et al.* 2011; English Heritage 1995; 2003; Historic England 2015a; 2015b; 2015c; 2015d; 2015e; HMSO 1991; Chartered Institute for Archaeologists 2014a; 2014b; 2014c; 2014d; West Yorkshire Archaeological Services 2009; Federation of Archaeological Managers and Employers 2010); and
- to prepare an illustrated report on the results of the archaeological investigations to be deposited with the Yorkshire Dales National Park Historic Environment Record (HER) and the National Monuments Record (NMR).

5.0 METHODOLOGY

- 5.1 The area defined for construction of the pipeline was contained by a fenced easement with an approximate width of 15m. Topsoil stripping was undertaken in an area c. 7m wide that was situated centrally within the easement prior to the excavation of a 1m deep trench to facilitate the new water pipe. The area designated for two new pumping stations at Low Whita and Thwaite was also stripped of topsoil prior to their construction.
- 5.2 Archaeological monitoring (a watching brief) was undertaken for all areas of open cut pipeline construction, as well as during soil stripping in advance of the building of the two pumping stations. Drystone walls that were dismantled during works were recorded in accordance with national standards (DSWA 1997) prior to their reconstruction.

Machine Excavation and Directional Drilling

5.3 Topsoil was stripped from the pipeline route using 360-degree tracked excavators under archaeological supervision. Soil stripping down to natural subsoil deposits was only undertaken in select areas of archaeological interest. The topsoil was stripped using a toothless ditching bucket, and a narrow-toothed bucket was used to excavate the trench to depth. Topsoil was kept separate from subsoil.

- 5.4 At the majority of road- and river crossings, the new water pipe was installed using directional drilling. This method was also employed to avoid negative impact on some areas of sensitive farmland and potential archaeological remains. All excavation of launch- and reception pits took place under archaeological supervision.
- 5.5 Where structures, soil features or layers of archaeological interest were exposed, the archaeologists were provided with the opportunity to observe, clean, assess, excavate by hand and, where appropriate, sample and record these features and finds. Heavy plant did not operate in the vicinity of archaeological remains until they were recorded and the archaeologist on site had allowed operations to recommence at that location.

Recording

- 5.6 Where features and deposits were identified, they were surveyed using a Topcon GRS1 GPS or surveyed in relation to readily-identifiable features on the ground, such as field boundaries, roads or other structures. This information was transferred to AutoCAD software and reproduced for incorporation within this report. All levels were tied in to Ordnance Datum.
- 5.7 Written descriptions of archaeological features were recorded on NAA pro forma context sheets, which employ standard archaeological recording conventions. Sections and plans of significant archaeological features and deposits were drawn at a scale of 1:10 and 1:20/1:50 respectively. A photographic record of the site was taken using high-resolution digital photography and monochrome prints.
- 5.8 Pottery, animal bone and other categories of artefacts were collected as bulk samples. Finds were appropriately recorded and processed using the NAA system and submitted for post-excavation assessment.
- 5.9 All recovered finds were appropriately packaged and stored under optimum conditions. Finds recovery and storage strategies were in accordance with published guidelines (English Heritage 1995; Watkinson and Neal 2001).
- 5.10 Bulk palaeoenvironmental samples were taken from appropriate deposits. These were processed by NAA and submitted to the environmental specialist for assessment of their environmental potential, including charcoal, small bones, cereal grains, pollen, mollusca and macro-environmental material. Recovery and sampling of

environmental remains was carried out in accordance with published guidelines (Campbell *et al.* 2011).

Numbering system

5.11 The area numbers mentioned in the text are as they appeared on construction plans supplied by MUS and were allocated according to landowner. Therefore, they were not always limited to separate fields. Context numbers 1001-1008 derived from a watching brief undertaken in April 2015 and were limited to Area 55a. Contexts 01-94 are from the main pipeline watching brief.

6.0 **RESULTS**

6.1 Monitoring of topsoil stripping revealed four main areas of archaeological interest concentrated around the modern settlements of Thwaite, Gunnerside, Low Whita and Reeth. Few archaeological features and deposits were encountered outside these concentrations. A number of areas showed a complete absence of archaeological features or deposits: 9, 10, 11, 12, 13, 14, 15, 20, 23, 24, 26, 31, 32, 33, 35, 36, 39, 41, 45, 51, 53, 58, 62, 63, 65, 66, 69, 70, 71, 73, 76, 77, 82, 84, 85 and 91. These will not be mentioned further in the text. A section of pipeline between West Calvert Houses and Ivelet was installed by directional drilling in order to preserve sensitive farmland. The archaeological monitoring was therefore limited to a handful of launch-and reception pits, which proved to contain no archaeological features or artefacts. A total of 69 drystone walls were recorded during groundworks, the results of which are presented within Appendix H.

Thwaite village (Areas 60 and 61)

Site 1 (Fig 6)

- 6.2 The site was located on broadly level farmland immediately north-east of Thwaite village. A 0.15-0.2m thick layer of topsoil and turf (83) was removed to expose a redbrown silty sand subsoil (58), which partially covered stone-built structures in the east part of the area.
- 6.3 A large, rectangular stone structure (**68**) was observed running north-east to southwest at the southern end of Area 61 (Fig. 6f). It measured 15m by 4m, with a depth of 0.5m. All four sides were straight and clearly defined, and the larger stones within the structure had been arranged into three rows. The regular proportions of the feature

argue against it being either a natural formation or a result of field clearance. Numerous pieces of flint, including blades, cores and an arrowhead (Fig. 10), were recovered from the recent subsoil (**58**) overlying the structure.

- 6.4 The most prominent feature within the area was a north-west to south-east aligned road or trackway (67) with drainage gullies to either side of it (69, 71) (Fig. 6h, Plate 1). The surface structure was c. 5.4m wide, 0.4m thick, and had been laid in three separate layers of angular limestone over an agger of gravelly sand (84) measuring 3.2m wide and 0.15m thick. A spread of material comprising smaller, more rounded stone (73) to the north of the road was interpreted as the tumbled upper surface of the structure. Excavation of this deposit produced a Roman-period glass bangle fragment (Fig. 10). The drainage gullies (69, 71) were of relatively modest proportions at c. 0.6m wide and 0.2m deep. Southern gully 69 contained a deposit of fine sandy silt (70), whereas gully 71 was filled by a stony material that had washed off the road surface (72). A single flint flake was recovered from fill 72, and a pottery fragment that has been identified as possible samian ware was collected from the subsoil immediately north of the road. The feature was absent from historic OS mapping.
- 6.5 Four north-east to south-west orientated terrace banks (60, 61, 62 and 65) were investigated within the area (Figs. 6a, c, e & g). They were similar in appearance, being constructed from rounded stone and rubble over the recent subsoil (58). LiDAR data suggests that the banks were post-medieval field sub-divisions. Banks 60 and 61 had been constructed from smaller stones and appeared to have been flattened, whereas banks 62 and 65 were more substantial, measuring c. 2.4m in width, with a maximum height of 0.5m. Medieval pottery was found among the stones of 60, while 61 and 65 yielded iron objects and post-medieval pottery respectively. All four banks overlaid the recent subsoil, and were therefore believed to be of post-medieval date.
- 6.6 Two nebulous stone concentrations (**66**, **74**) were investigated (Fig. 6b & d). They were most likely the result of field clearance events. Both top- and subsoil within Area 61 were rich in flints (discoidal core shown in Figure 10) and artefacts dating to the postmedieval period, including pottery, iron objects, glass, industrial waste, a copper-alloy coin or token, a copper-alloy button, a clay pipe and bone.
- 6.7 The trench excavated in advance of construction of the pumping station in Area 60 revealed a robbed-out north-west to south-east orientated wall foundation (57) (Fig.

6i). The line of the wall did not correspond with structures pictured on historic OS mapping, and is therefore likely to have been removed before the mid-19th century. A dark clayey silt deposit (63) gathered in a shallow, sub-circular natural depression measuring c. 3.2m in diameter, which was recorded in the northern part of the pump station trench (Fig. 6j). Two sherds of medieval pottery and an undiagnostic iron object were recovered from the deposit, and it is possible that it represented a truncated medieval feature. A dog skull was found in a layer of buried topsoil (77) under a modern yard surface. Its good state of preservation and close proximity to dog kennels present at the time of excavation points to a likely recent date for the skull.

Ivelet to Gunnerside (Areas 1, 46, 47, 47b, 48, 49 and 50) (Fig 3)

- 6.8 The terraces along the steep valley side of Area 50 were found to be of glacial origin; the only man-made feature encountered was a disused north to south aligned culvert (39), which had been recently replaced by a plastic pipe (Plate 2).
- 6.9 Two possible burial mounds were identified during a route walkover along the fenced off easement of Areas 48 and 49 at Dyke Heads. These were cordoned off and left undisturbed. Soil stripping west of the mounds revealed two stone concentrations; the smaller of the two was investigated and proved to be a natural formation. The larger area of stone appeared to be man-made, and the decision was made by MUS to install the water pipe by directional drilling in order to avoid the potential delay of construction that an archaeological investigation could have caused. No further archaeological work was therefore undertaken. One of the dismantled north to south orientated field walls within Area 49 had been built on a raised gravel bank, which possibly pre-dated the drystone wall as a boundary marker.
- 6.10 A large quantity of mainly 17th to 19th-century pottery sherds, with occasional late medieval to 16th-century fragments, were recovered from the topsoil (**80**). This is consistent with the 1679 construction date for Dyke Heads Farm (NAA 2014), and also suggests that the farm house had an earlier predecessor.
- 6.11 The steep valley side north of Dyke Heads Farm (Area 1; Fig. 3) was found to be unsuitable for directional drilling due to the presence of bedrock close to the ground surface. Therefore, a branch main connecting to a service reservoir had to be installed by open cut. The prominent hillside terraces that were impacted on by the pipeline route were found to be of glacial origin. The southernmost terrace had been levelled

and a revetment bank (52) had been constructed from rounded limestone blocks in order to halt the colluvial drift (Plate 3). This design created a trackway along the hillside, and the presence of recent wheel ruts showed that the route was still being used at the time of investigation.

6.12 Soil stripping in the sloping field south of Dyke Heads Farm (Area 47b) revealed manmade structures in the form of a recently cleared-out culvert intersection (**36**) (Plate 4) and a c. 2m wide sub-oval field clearance cairn comprising large, angular blocks of limestone (**37**). The cairn overlaid the recent sandy silt subsoil (**49**) and was therefore interpreted as the result of a relatively recent clearance event (Plate 5). This area showed signs of recent interference in the form of installation and maintenance of multiple drains, and the c. 0.2m deep dark clayey silt topsoil (**80**) contained large quantities of post-medieval pottery as well as modern debris.

Site 2 (Fig. 7)

- 6.13 The first feature encountered in the low-lying Area 46 was a cairn made from large sub-angular stone (47). It measured c. 3.5m in width and was observed continuing northwards beyond the area of investigation. Careful removal of recent subsoil (49) adjacent to the cairn exposed an underlying surface of densely packed small stones (48), which covered an area c. 6.8m wide within the limits of excavation. The nature of this extensive feature is revealed by the 1857 OS map; a junction between a footpath and a now disused and partially removed trackway, crossed by a small stream. The cairn had been constructed in an effort to ford the stream, whereas the underlying stone surface most likely represented remains of the trackway (Fig. 7a, Plate 6).
- 6.14 Two north to south orientated field banks, situated 3.2m apart, were investigated towards the eastern end of the area. The westernmost bank measured 5m wide and 0.3m high, and was constructed of three parallel lines of large sub-angular limestone (**45**) overlain by silty sand (**46**). Deposit **46** contained large quantities of lead slag, as well as a lead seal of unknown date and function. The easternmost bank (**38**) consisted entirely of sub-rounded limestone and measured 4.5m wide and 0.4m high (Figs. 7b–c). Both features are absent from historic OS mapping. Artefacts recovered from the recent subsoil (**49**) and topsoil (**94**) consisted mainly of pottery, for the most part dating to the 17th-19th centuries but with fragments of medieval vessels occurring in the eastern part of the area. Other finds included post-medieval artefacts,

such as a copper-alloy button, a copper-alloy coin, glass and a copper-alloy/iron buckle. A Neolithic chert end scraper was recovered from recent subsoil and is displayed in Figure 10.

Gunnerside to Low Whita (Areas 21, 22, 38, 40, 42 and 59) (Figs. 3 & 4)

- 6.15 Following the crossing of Gunnerside Beck, the pipeline route ran in a straight line across the farmland of Gunnerside bottoms. The removal of the c. 0.2 m thick dark brown sandy silt topsoil revealed the sandy sediments and gravels of a glacial lake that covered this low-lying area in antiquity. A number of slight palaeochannels crossed the pipeline route.
- 6.16 The remains of two stone walls were encountered towards the eastern end of Area 42 (Fig. 3). The easternmost (42) measured 0.7m wide and was of a double-faced construction similar to extant walls in the area, and its outline could be traced along unstripped ground running north-east to south-west from the bank of the Swale to the corner of two intact walls (Plate 7). A possible relationship with the adjacent wall foundation 40 remained outside of the stripped area. Wall foundation 40 was orientated north-west to south-east, measured 0.45m wide and survived to a maximum height of 0.5m (three courses) (Plate 8). It was of rudimentary construction and built entirely from natural river cobbles, with a concentration of similar stone (41), probably a result of demolition of wall 40, located 1.8 m to the south-west. Both were encountered outside the pipe trench area and were left in situ. Wall 42 appears as an extension of an intact field wall on the 1954 OS map, whereas wall 40 is represented on the map as an irregular north-west to south-east orientated line that joins onto 42. The rudimentary construction, irregular orientation and presence of medieval pottery in the surrounding subsoil (79) points to a likely medieval date for wall foundation 40.
- 6.17 After crossing over to the south of the Swale into Area 40, the route of the pipeline ran alongside a lane for c. 400m. The remains of a demolished field barn (44) were found in the western part of the area (Fig. 3). The demolition had been thorough, with only a few foundation stones remaining in situ. One of the stones was a reused pivot stone. Other finds included concrete rubble, pottery, iron nails and glass, all dating to the post-medieval/modern period. The site of this barn is a recorded heritage asset; HER number MYD52053 (NAA 2014) (Plate 9).

- 6.18 Leaving the route of the lane, the pipeline crossed farmland where the sandy sediments of Gunnerside Bottoms disappeared in favour of natural gravel and ridges of river washed cobbles. Area 38 contained one archaeological feature in the form of a double-faced wall, measuring 0.6m wide and with three surviving courses of natural river cobbles remaining (**43**) (Fig. 4, Plate 10). The wall did not follow the general north to south alignment of the intact field walls in the surrounding area; its northwest to south-east orientation may represent an earlier phase of land division. Another possibility is that the wall functioned as an embankment of a substantial palaeochannel located c. 5 m to the east. The wall is absent from historic OS mapping. No archaeological finds were encountered.
- 6.19 The pipeline re-crossed The Swale at Rowleth Wath, ran through farmland, and followed the line of the B 6270 road for 300m. Soil stripping revealed four stone-built structures within the two parts of Area 59. The first was a double-faced field wall (**26**) with six visible courses of quarried stone measuring 0.65m wide (Plate 11). The wall appears as a field boundary on the 1954 OS map, and is likely to have been demolished relatively recently.
- 6.20 Further to the east and up the gentle slope of the valley was a field bank made from large angular limestone blocks (**23**) set in a silty clay deposit (Plate 12). It measured approximately 2m in width and was 0.45m high. The north-westerly alignment of the bank was seen continuing north of road B6270; however, the feature does not appear on historic OS mapping.
- 6.21 Two further linear stone structures (**24** and **25**) were found at the eastern end of Area 59; both were of a mixed large stone and rubble construction and slight in depth (Plates 13 & 14). The 1857 OS map shows feature **24** as a trackway; it was, however, absent on maps dating from 1895 onwards. One Neolithic flint blade was recovered from the topsoil (**82**).
- 6.22 Area 82 encompassed fields located between the two parts of Area 59 and contained no archaeological features. However, mining remains in the form of slag deposits and rails were noted, the latter reused as fence posts.
- 6.23 At the western end of Area 22 (Fig. 4) the pipeline route bisected a substantial flood bank (**19**; Plate 15). The north to south orientated section where the intervention was made was c. 5m wide and constructed entirely of clayey silt, although to the north the

bank was faced with a drystone wall. The material had been excavated from the area immediately east of the bank, creating a shallow ditch along its side. No archaeological finds were encountered.

6.24 Removal of the 0.3m thick laminated sandy/peaty clay topsoil in the eastern part of the area, known as Sand Beds, exposed the widely spaced north-west to south-east orientated ridge and furrow noted during the earlier walkover survey (NAA 2014).

Site 3 (Figs. 4 & 8)

- 6.25 Site 3, within Area 21, encompassed the fields to the south and east of the Scheduled Monument of How Hill. Figure 8 shows a drone photogrammetry plot of the site. Two north-east to south-west orientated rubble banks (16 and 18) were investigated in the western end of the area, and a further two in the area east of How Hill (10 and 11). The western banks (16 and 18; Plates 16 & 17) were constructed from sub-angular stone and measured 2-2.5m in width and c. 0.2m in height. Bank 18 appeared to have once had a wall constructed from larger sub-angular limestone cobbles positioned on top of it, the collapsed remains of which were seen overlying the eastern incline of the bank (Plate 17).
- 6.26 The eastern banks (10 and 11) were different in appearance in that they consisted of more rounded stone and had been deliberately flattened and spread out. Bank 11 appeared as a compacted metalled surface with its slight height of c. 0.1m and substantial width of approximately 8m; its original purpose as a field division bank was only made clear by the fact that its alignment could be seen in the field south of the investigated area, where it survived in a better state of preservation (Plates 18 & 19). All of the banks were absent from historic OS mapping.
- 6.27 In advance of the construction of a new pump house, an extension of the stripped area was made in the eastern end of Area 21, which revealed a large stone cairn (09) that occupied the south slope of a slight natural rise in the landscape. The cairn measured approximately 10m long and 7m wide, with varying stone size and density, and was interpreted as a possible slumped building platform or the remains of a field clearance event (Plate 20). One fragment of 11th to 12th-century pottery was recovered from the overlying topsoil (92).
- 6.28 Three more substantial north to south orientated stone banks (**13**, **15** and **17**) were located directly south of the enclosed settlement of How Hill. Banks **13** and **17** were

similar in construction and made from sub-angular stone of a uniform size (c. 0.2m) deposited over large revetment boulders. Bank **17** measured 4.8m wide and was 0.6m high; bank **13** was of a similar height but of lesser width at 2.3m. They had been constructed along natural slopes and created a more prominent boundary between the higher ground and levels liable to flooding (Figs. 8a & c).

- 6.29 Part of a rubble bank (12) running along the outside of the outer enclosure ditch was discovered along the northern edge of the stripped area, adjacent to bank 13. The material comprised gravel and small sub-angular stone, which most likely derived from the excavation of the enclosure ditch. The feature was located outside the line of the pipe trench and left in situ (Plate 21).
- 6.30 The most substantial bank (15), located centrally between 13 and 17, occupied the highest point within the easement and lined up with a gap in the outer enclosure ditch. The bank was 0.8m high, wider to the south (c. 13m), narrowing to c. 5m at the northern end of the stripped area. It appeared to form an entrance causeway. This was accompanied by a bank made from large blocks of laminar limestone (14), orientated east to west and curving north toward the enclosure entrance. This design could have controlled movement in and out of the settlement (Fig. 8b, Plate 22). Finds from top-and subsoil that overlaid the area included medieval and post-medieval pottery and Mesolithic/Neolithic flints (Fig. 10), along with post-medieval iron nails, a copper-alloy button and a pair of small iron shears.

Low Whita to Reeth (Areas 3, 3a, 3b, 7b, 8, 16, 18, 19, 55a and 56) (Fig. 5)

6.31 Area 56 was located directly east of Scabba Wath Bridge. Three deposits (**20**, **21**, and **22**) rich in metalworking waste and charcoal were investigated along the southern limit of the excavation. Deposit **20** comprised a c. 0.2m thick layer of ashy silt with 20 percent lead slag inclusions. Radiocarbon dating was carried out on a charred hazel fragment extracted from the slag (Appendix G). This returned a date range of cal AD1027-1166 (SUERC-66738). Heat affected gravel underlying **20** suggests either in situ burning or deposition of material from a nearby smelting event. Deposit **22** was encountered approximately 2m west of **20**. It was of a similar thickness and consisted of 80% lead slag. The material overlaid a deposit of ashy silt and small stone (**21**), and the three deposits were collectively interpreted as the remains of a lead bale mound (Figs. 7d–e, Plate 23).

- 6.32 Area 55a was the location of a site compound and two launch pits for a directionally drilled river crossing. No archaeological features were encountered, although post-medieval pottery, glass and an iron nail were recovered from a sandy flooding deposit (**1002**) within the pits.
- 6.33 A roughly coursed north-west to south-east orientated wall footing (**01**) and a box culvert (**02**) were investigated within Area 19 (Plates 24 & 25). The wall footing was running parallel to extant field walls, but is absent from historic OS mapping and probably represent an earlier phase of field division. Both features were of likely post-medieval date. Remnants of an additional wall (**03**) were investigated at the eastern end of Area 18. It was following the line of an existing north-west to south-east orientated field wall, running along the western bank of Barney Beck (Plate 26). The wall was most likely demolished and replaced in association with the early 20th-century construction of Barney Beck Low Bridge. No finds were recovered from Areas 18 or 19.
- 6.34 Area 16 was located immediately east of Barney Beck and contained no archaeological features. Part of a copper-alloy bracelet likely of post-medieval date, was recovered from the subsoil (**50**), along with numerous pieces of prehistoric worked flint, including blades, flakes and a thumbnail scraper (Fig.10).
- 6.35 The topsoil strip over Areas 3, 3a and 3b revealed three north-east to south-west orientated field banks (**27**, **31** and **32**). One glass vessel fragment was recovered from the rubble of bank **31**. All three features appear as intact field boundaries on the 1954 OS map, and are likely to have once supported walls that had subsequently been demolished in order to create larger individual fields (Plates 28–30).
- 6.36 Two culverts were recorded within a droveway in Area 3b (33 and 35), and another two in the western part of Area 3 (28 and 29; Plates 31–34). The latter appear on the 1857 OS map. A large stone cairn (34) was investigated south-west of the droveway. Its loose compaction and nebulous shape suggest that the cairn was a result of field clearance (Plate 35). A dump of post-medieval material (30) was recorded, and two pieces of worked flint were recovered from the topsoil (81).

Site 4 (Fig. 9)

6.37 Site 4 (Areas 7b and 8) encompassed a c. 0.6km stretch of land west of Reeth, distinguished by an extensive system of cultivation terraces. Four sections were

machine-excavated through these earthworks (**04**, **05**, **06** and **07**) where the pipeline would directly affect them. Investigations revealed a uniform construction technique; a deposit of stone rubble held in place by larger revetment boulders. A subsoil (**91**), presumably medieval plough-soil, had formed a level platform behind the revetment. Post-medieval artefacts, including pottery, animal bone, plaster and iron nails, were recovered from the topsoil (**78**) (Fig. 9, Plate 27).

7.0 THE FINDS

Lithics (Frederick Foulds)

- 7.1 A total of 56 lithics were submitted for analysis, of which two were identified as natural (Appendix B). The majority of pieces were recovered from either topsoil or recent subsoil, with the highest concentrations of lithic evidence deriving from Areas 16 and 61.
- 7.2 The assemblage was composed of cores, blades/bladelets, flakes, arrowheads, scrapers, debitage and a possible axe fragment. Flint was the main raw material and the different types were consistent with beach sources available on the north-east coast. Seven pieces had been produced using locally sourced chert and the material had been carefully selected for its good quality and fracture properties. Given the absence of primary flakes, it is considered likely that flint was brought into the areas in a partially worked state.
- 7.3 The recovered assemblage represented several periods of prehistory, based on the identification of a small number of diagnostic tools. Presence of later Neolithic/early Bronze Age technology suggests that peoples of this age were active within the local area and, more specifically, Areas 16 and 61.

Pottery (Chris Cumberpatch)

- 7.4 The pottery assemblage consisted of a total of 284 sherds of pottery (Appendix C), which represented a maximum of 264 vessels.
- 7.5 One abraded sherd recovered from the recent subsoil (**58**) in Area 61 was identified as a possible fragment of a Roman period samian ware vessel. The earliest pottery present in any quantity in the assemblage was of medieval date and included sherds of Tees Valley ware, Winksley type ware, Reduced Greenware and a number of sherds from local types. Two sherds of an unidentified Brown Sandy ware were noted in

Areas 21 and 46 respectively, and may well be the earliest post-Roman pottery in the assemblage. A date in the 11th to 12th centuries is considered most likely, but a late pre-Conquest date cannot be entirely ruled out.

- 7.6 Late medieval to early post-medieval wares were represented by groups of Green Glazed Sandy ware from several areas, with occasional sherds of Cistercian ware, Yellow ware and 17th-century Blackware. Sherds of Coarse Blackware and Midlands Purple type ware of later 17th- to early 18th-century type were also noted.
- 7.7 Imported types were represented by German stonewares and Delftware from the Low Countries. Their presence suggested that at least some households in the area were able to obtain the types of fashionable items that played an important part in the establishment and maintenance of the 'Georgian Order', which constituted an important part of the habitus of early modern society.
- 7.8 Early modern wares (c.1720–c.1840) were more abundant than earlier types and included range of vernacular tablewares, as well as formal tablewares and the ubiquitous utilitarian wares. Recent pottery (c.1840–c.1950) was represented by a variety of refined earthenwares, as well as utilitarian wares including various types of stone- and coarsewares. This component of the assemblage conformed closely to the pattern established on other sites with a 19th- and early 20th-century component.

Miscellaneous finds (Elizabeth Foulds)

- 7.9 A collection of 89 objects covering a wide range of materials (Appendix D) was collected along the pipeline route and submitted for analysis. The majority of the artefacts could not be attributed to a specific period and all except one of the diagnostic objects were of post-medieval date. These were mainly of a personal nature, such as copper-alloy buttons, discarded beverage bottles, clay pipe stems, copper-alloy buckles, marbles and a bracelet fragment.
- 7.10 The tumbled road surface material (73) in Area 61 yielded a Romano-British glass bangle fragment of Kilbride-Jones' (1937) Type 3D. This has a particular colour combination seen less often than others. As glass bangle fragments are found at both 'native' settlements and 'Roman' forts, it has been suggested that this type of glass object represents interactions between these two groups (Price 1988; Stevenson 1976). They have been found mainly north of the Humber and in southeast Scotland, and can generally be attributed to the late 1st to 2nd centuries AD.

Industrial waste (Roderick Mackenzie)

- 7.11 The assemblage submitted for analysis consisted almost entirely of fragments of lead smelting slag (Appendix E). Slag fragments from the bank in Area 46 were all very similar in general appearance. A small number have traces of charcoal and possibly peat, which would have been used as fuel to smelt the lead ore. Occasional fragments of slag also bore traces of galena, which appeared to be fragments of unreduced ore. The weight of the fragments, their white to pale grey oxidised surface and presence of unreduced ore suggested that the slag probably originated from a bale smelting hearth.
- 7.12 The four fragments of slag from Area 56 were black to dark green in colour and had a dense glassy texture with a few fine vesicles and oxidised areas on their surfaces. The morphology of the slag is characteristic of the type produced by blackwork ovens (Hamilton *et al.* 1999). In addition to the slag, there were two fragments of vitrified sandstone; the nature of the vitrification and presence of smelting slag suggested that this had been part of the refractory lining of a metallurgical hearth.

Palaeoenvironmental remains (Lynne Gardiner)

- 7.13 Six bulk environmental samples from secure contexts were submitted for assessment, along with animal bone weighing 303.78g (Appendix F). Only one sample (46 AA) from Area 46 yielded any charred plant material—barley (*Hordeum* sp. n=2) and wheat (*Triticum* sp. n=3). Charcoal was observed in 46 AA, 63 AA and 72 AA, with willow/poplar (*Salix/Populus*) and hazel (*Corylus avellana*) present. The hand-collected charcoal from deposits **20** and **21** from Area 56 provided the greatest weight and contained hazel and oak (*Quercus* sp.).
- 7.14 The animal bone was generally poorly preserved. Most fragments belonged to either medium-sized mammals—sheep/goat (*Ovis/capra*) and large-sized mammals—cattle (*Bos* sp.) and pig (*Sus* sp.). The most complete element was a dog (*Canis* sp.) skull from buried topsoil (77) in Area 60. The other identifiable (to species) fragments were from juveniles—a pig radius fragment (context 78) and a cattle femur fragment (context 42). All other bone fragments were calcined.

8.0 DISCUSSION

8.1 The programme of archaeological monitoring achieved all of the stated principle objectives. Archaeological features that were impacted upon by the pipe trench were

carefully recorded and, where possible, the water pipe was installed by directional drilling or the open-cut pipe trench was slightly re-routed as advised by the monitoring archaeologist, allowing for the in-situ preservation of archaeological features.

- 8.2 The remains recorded during the project comprised concentrations of activity separated by areas devoid of archaeological features. As is to be expected in areas of long, continuous occupation, the soils around Reeth, Gunnerside and Thwaite were rich in pottery sherds dating from the post-medieval to modern era, with fragments of medieval pot appearing in varying quantities close to all three settlements. Throughout the scheme, very few artefacts were found in direct association with archaeological features. This was mainly due to the fact that the majority of recorded features were agricultural in nature, e.g. field banks, walls and drains. The only features of supposed antiquity that yielded dateable finds were deposits related to the road within Area 61.
- 8.3 The presence of a rare Roman-period glass bangle fragment within the tumbled surface material (**73**) of the road, along with a pottery fragment that has tentatively been identified as samian ware being recovered from the recent subsoil (**58**) directly south of the feature, supports the interpretation of the road as one of Roman date. Both types of artefacts can be ascribed to the 1st-2nd century AD and are classed as objects of relatively high status, which points to the potential for further evidence of Roman-period activity in the vicinity.
- 8.4 The concentric earthworks of How Hill have not been archaeologically excavated, and it is unclear whether their dimensions would qualify the settlement as a 'defended' one. However, the settlement may have enjoyed natural protection, at least throughout parts of the year, as the natural drumlin is likely to have been partially and periodically surrounded by water prior to the systematic draining of the Low Whita flood plain. It seems probable that the enclosed top of the drumlin was reserved for human habitation and that livestock was kept within the gently sloping area within the outer enclosure. The excavations revealed evidence of previously unknown elements of outworks, represented by curving bank **14**, which support the interpretation of the earthworks as linked to the management of livestock rather than as an actual defence against hostilities. The curve of the bank, which may have been accompanied by a ditch, toward the causeway and opening in the outer enclosure ditch would have

created a funnel effect, which would have facilitated easier control of movement in and out of the enclosure.

- 8.5 The field system, represented by flattened banks **10** and **11**, and adjoining settlement platform on the hillside south of Scabba Wath Bridge, has been ascribed a late Iron Age or Roman period date (YDNPA 2014), possibly as part of a wider network of settlement sites, including How Hill and Maiden Castle, situated c. 1.2km to the east. In light of the evidence of early medieval activity in the vicinity, it is possible that the originally prehistoric field system and/or settlement sites were used in later periods, albeit not necessarily continuously.
- 8.6 At the time of excavation, the charcoal and lead slag-rich deposits in Area 56 (**20** and **22**) were interpreted as the probable remains of a bale mound. In Appendix E, Mackenzie identifies the slag as residue from a later blackwork oven and explains how these were often situated adjacent to bales, as the improved technology made it possible to extract lead from earlier bale slag. This pattern of industrial activity fits well with the remains uncovered in Area 56, as the radiocarbon dated hazel charcoal that was extracted from slag derived from deposit **20** was given a date range of cal AD1027-1166 (Appendix G).
- 8.7 The investigated deposits in Area 56 were located immediately west of Scabba Wath, an ancient ford across the River Swale with a name of Old Norse origin and a likely important focus for activity during early medieval times. This was further exemplified by the occurrence of a pottery fragment within the topsoil (**93**) in the eastern end of Area 21, approximately 25m west of Area 56. Cumberpatch (Appendix C) has identified the Brown Sandy ware fragment as likely to be of 11th- or 12th-century origin, but does not rule out a pre-conquest date. This ties in well with the radiocarbon date for the metalworking activity.
- 8.8 The archaeological monitoring, in combination with the drystone wall survey (Appendix H), revealed an agricultural landscape generally characterised by smaller fields with regular boundaries. The frequent occurrence of sub-surface remains of demolished walls along the pipeline route indicated incremental development and gradual creation of larger enclosed units. Wall construction technique and style appeared to have changed little over time; the majority of walls had been constructed from quarried limestone, with A-shaped profiles and through-stones as standard, leaving the varying levels of weathering as the only observable indicator of age. A

small number of walls, most notably in the area directly west of Healaugh, had been constructed from natural boulders and lacked the regular coursing of the majority of the recorded walls. These were seen forming enclosures of irregular sizes and shapes, and are believed to represent unaltered (albeit repaired/rebuilt) remnants of ancient field boundaries.

9.0 ARCHIVE DEPOSITION

9.1 The full archive from the archaeological investigations, including paperwork, drawings, photographs, digital data and the finds assemblage, is to be deposited with the Richmondshire Museum.

REFERENCES

- British Geological Survey (2018) *Geology viewer*. [Online] Available at: <u>http://mapapps.bgs.ac.uk/geologyofbritain/home.html</u> (accessed on 05/01/18)
- Campbell, G., Moffett, L. & Straker, V. (2011) *Environmental Archaeology. A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-Excavation (second edition)*. Swindon: English Heritage.
- Chartered Institute for Archaeologists (CIfA) (2014a) *Standard and guidance for an archaeological watching brief.* Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists (CIfA) (2014b) *Standard and guidance for archaeological excavation*. Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists (CIfA) (2014c) Standard and guidance for the collection, documentation, conservation and research of archaeological materials. Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists (CIfA) (2014d) Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives. Reading: Chartered Institute of Archaeologists.
- Dry Stone Walling Association of Great Britain (DSWA) (1997) Wall Surveys [Online] Available at: http://www.dswa.org.uk/userfiles/file/Leaflets/Wall-survey-papers.pdf (accessed on 05/01/18)
- English Heritage (1995) A Strategy for the Care and Investigation of Finds. London: English Heritage.
- English Heritage (2003) Archaeological Science at PPG16 Interventions: Best Practice Guidance for Curators and Commissioning Archaeologists. London: English Heritage.
- English Heritage (2008) *MoRPHE Project Planning Note 3 Archaeological Excavations*. London: English Heritage.
- Federation of Archaeological Managers and Employers (2010) *Manual of Health and Safety in Field Archaeology*. London: Federation of Archaeological Managers and Employers.

Fleming A (1998) *Swaledale: Valley of the Wild River*. Oxford: Windgather Press.

- Historic England (2015a) Archaeometallurgy: Guidelines for best practice. Swindon: Historic England.
- Historic England (2015b) Historic Environment Good Practice Advice in Planning Note 1: The Historic Environment in Local Plans. Swindon: Historic England.
- Historic England (2015c) Historic Environment Good Practice Advice in Planning Note 2: Managing Significance in Decision-Taking in the Historic Environment. Swindon: Historic England.
- Historic England (2015d) *Historic Environment Good Practice Advice in Planning Note 3: The Setting of Heritage Assets.* Swindon: Historic England.
- Historic England (2015e) Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' guide. Swindon: Historic England.
- Jarvis R. A., Bendelow V. C., Bradley R. I., Carroll D. M., Furness R. R., Kilgour I. N. L. and KingS. J. (1984) Soils and Their Use in Northern England. Soil Survey of England and WalesBulletin no. 10. Harpenden: Rothamsted Experimental Station.
- Kilbride-Jones, H. E. (1937) Glass Armlets in Britain. *Proceedings of the Society of Antiquaries of Scotland* 72, 366–95.
- Laurie, T. C., Mahaffy, N. W., and White, R. F (2011) 'Co-axial Field Systems in Swaledale', in Martlew, R. D. (ed.) *Prehistory in the Yorkshire Dales. Recent Research and Future Prospects.* Skipton: PLACE and The Yorkshire Dales Landscape Research Trust.
- Northern Archaeological Associates (2014) Pipeline Renewal; West Stonesdale: Desk-Based Cultural Heritage Appraisal. Unpublished NAA report 14/116.
- Price, J. (1988) 'Romano-British Glass Bangles from East Yorkshire', in Price, J., Wilson, P.R., Briggs, C. S., and S. J. Hardman (eds) Recent Research in Roman Yorkshire. Studies in Honour of Mary Kitson Clark (Mrs Derwas Chitty). Oxford: British Archaeological Reports, 339–66.

Stevenson, R. B. K. (1976) Romano-British Glass Bangles. *Glasgow Archaeological Journal* 4, 45–54.

Watkinson, D. & Neal, V. (2001) First Aid for Finds. Rescue/UKICAS.

West Yorkshire Archaeological Advisory Service (2009) Yorkshire, the Humber and the North-East: A Statement of Good Practice for Archaeology in the Development Process. Leeds: West Yorkshire Archaeological Advisory Service.

White R. (2005) *The Yorkshire Dales; A Landscape Through Time*. Ilkley: Great Northern Books.

Yorkshire Dales National Park Authority (YDNPA) (2014) *Swaledale and Arkengarthdale Barns and Walls Conservation Area Appraisal*. Leyburn: Yorkshire Dales National Park Authority.

Legislation

Water Industry Act 1991 HMSO: London

APPENDIX A

CONTEXT AND FINDS CATALOGUE

Context	Area	Interpretative description	Notes	Finds and sample information
1	19	Wall foundation		
2	19	Culvert		
3	18	Wall foundation		
4	7b	Lynchet		
5	7b	Lynchet		
6	8	Lynchet		
7	8	Lynchet		
8	21	Subsoil		Pottery, flints, Fe nail, Fe shears, industrial waste, Cu-alloy button
9	21	Clearance cairn		
10	21	Field bank		
11	21	Field bank		
12	21	Enclosure bank		
13	21	Field bank		Animal bone
14	21	Enclosure bank		
15	21	Causeway bank		
16	21	Field bank		
17	21	Field bank		
18	21	Field bank		
19	22	Flood bank		
20	56	Charcoal and slag deposit		Industrial waste
21	56	Charcoal and slag deposit		Industrial waste, pottery
22	56	Slag deposit		Industrial waste
23	59	Field bank		
24	59	Trackway		
25	59	Trackway		
26	59	Wall foundation		Glass
27	3	Wall foundation		
28	3	Culvert		
29	3	Culvert		
30	3	Post-medieval deposit		Bone, clay pipe, coal, glass, pottery
31	3a	Wall foundation		Glass
32	3	Wall foundation		
33	3b	Culvert		
34	3b	Clearance cairn		
35	3b	Culvert		
36	47b	Culvert intersection		
37	47b	Clearance cairn		
38	46	Field bank		
39	50	Culvert		
40	42	Wall foundation		
41	42	Demolition material		
42	42	Wall foundation		Bone
43	38	Wall		

Context	Area	Interpretative description	Notes	Finds and sample information
44	40	Demolished field barn		Pottery, glass, pivot stone, Fe nails, concrete, wood
45	46	Stones in field bank		
46	46	Silty sand in field bank		Pb object, industrial waste. Sample 46AA
47	46	Stone cairn		
48	46	Metalled surface		
49	46, 47, 47b	Subsoil		Pottery, Cu-alloy/Fe buckle, glass, Cu-alloy token, flint
50	16	Subsoil		Cu-alloy bracelet fragment, flints
51	46	Sandy deposit under 47		Sample 51AA
52	1	Stone facing		
53	1	Widened glacial shelf		
54	1	Natural formation		
55	1	Natural formation	1	
56	1	Natural formation	1	
57	60	Wall foundation		
58	60, 61	Subsoil		Pottery, flints, Cu-alloy button, bone, stone, Fe-object, Cu-alloy coin, industrial waste, glass, clay pipe, flint arrowhead (RF 1)
59		VOID		
60	61	Field bank		Pottery
61	61	Terrace bank		Fe object
62	61	Terrace bank		
63	60	Clayey deposit		Pottery. Sample 63AA
64	60	Robber trench		
65	61	Terrace bank		Pottery
66	61	Clearance cairn		Pottery
67	61	Road surface		
68	61	Stone structure		
69	61	Cut of drainage gully		
70	61	Fill of gully 69		Sample 70AA
71	61	Cut of drainage gully		
72	61	Fill of gully 71		Flint. Sample 72AA
73	61	Tumbled road surface material		
74	61	Clearance cairn	1	Pottery, glass
75	61	Deposit under 68	1	Sample 75AA
76	21	Culvert	1	1
77	60	Buried topsoil	Disturbed deposit	Animal bone (skull)
78	9	ТорѕоіІ		Plaster, pottery, Fe nails, bone, horseshoe fragment
79	42	Subsoil	1	Pottery
80	48, 49	Topsoil	1	Pottery, glass
81	57	Topsoil	1	Flint
82	59	Topsoil	1	Flint
83	60, 61	Торѕоі	1	Pottery, glass, flint, Fe object
84	61	Agger	1	

West Stonesdale Pipeline Renewal, Yorkshire Dales National Park:
Archaeological Monitoring Report

Context	Area	Interpretative description	Notes	Finds and sample information
85	21	Natural		
86	56	Subsoil		
87	56	Topsoil		
88	46, 47	Natural		
89	60, 61	Natural		
90	7,8	Topsoil		
91	7,8	Subsoil		
92	7,8	Natural		
93	21	Topsoil		Pottery
94	46, 47	Topsoil		
1001	55a	Topsoil	Same as 1003, 1007	
1002	55a	Flood deposit		Pottery, glass, Fe nail
1003	55a	Topsoil	Same as 1001, 1007	
1004	55a	Flood deposit		
1005	55a	Burnt deposit		
1006	55a	Subsoil		
1007	55a	Topsoil	Same as 1001, 1003	
1008	55a	Demolition deposit		

APPENDIX B

LITHICS ASSESSMENT

F. Foulds

INTRODUCTION

This report presents the preliminary assessment of lithic material recovered from archaeological works in advance of the pipeline renewal at West Stonesdale, Yorkshire Dales National Park. A total of 56 lithics were recovered, of which two are identified as natural. The remainder display evidence of human modification. The composition of the material is shown in Table B1.

Table B1: Composition of assemblage

Type of material	Total
Knapped	54
Natural	2
Total	56

The assemblage of flints consists of surface, topsoil or subsoil finds. As none of the finds come from secure contexts, the assemblage will be discussed as a whole rather than as discrete collections. However, due to the widespread nature of the archaeological investigations, particular reference will be made to from Areas 16 and 61, from which the majority of the lithics were recovered.

METHODOLOGY

All material was inspected by eye and logged in a spreadsheet using Microsoft Excel. Variables are described as follows:

Site information

Context No.: the context number.

Sample: sample number, if relevant.

Flint No.: a unique number assigned for the purposes of the lithic catalogue.

Quantity: number of pieces, usually '1' and used to calculate total numbers.

Raw material

Material: whether flint, chert, quartz etc.

Material colour: a description of the colour of the raw material.

Cortex: the amount of cortex present, expressed as a percentage value.

Cortex colour: a description of the colour of the cortex, where present.

Patina: the amount of patination, expressed as a percentage value.

Patina colour: a description of the colour of the patination, where present.

Technology

Type: the type of artefact, e.g. 'flake', 'blade', 'debitage', 'core', 'burnt fragment', or tool types, such as 'scraper', 'arrowhead', 'burin'.

Size: individual measurements have not been taken at this stage. Sizes are provided in 5mm increments, with the maximum dimension, or in the case of flakes, maximum length, given.

Reduction Sequence: stage of the knapping sequence, given as 'primary', 'secondary' or 'tertiary'. The term 'thermal' is used to note heat fracture.

Platform: the type of platform (for flakes, where present), based on Andrefsky (2005, 96), i.e. 'cortical', 'flat', 'complex', or 'abraded'.

Bulb: a description of the bulb of percussion (where present), recorded as 'pronounced', or 'diffuse'.

Fracture Type: the type of termination based on Cotterell and Kamminga (1987), i.e. 'feathered', 'step', 'hinge', or 'overshoot'.

Interpretation: an indication of further working, e.g. 'retouch' or 'edge use'.

Working: a description of working, e.g. 'abrupt', 'invasive' etc.

Damage

Burnt: this column uses an ordinal scale to indicate the exposure to burning an item has received. 0 = unburnt; 1 = lightly fired (surface sooting, light crazing); 2 = fired (surface and interior patination, surface cracks, but still retaining original form); 3 = heavily fired (complete surface and interior patination, pot lid fractures, shattering, original form cannot be determined).

Damage : description of any other damage present, e.g. 'plough', 'frost', 'edge chipping' etc.

Interpretation

Period: where the artefact is chronologically distinctive then the period is noted.

Notes: a further field to note any other observations, i.e. if items refit.

RAW MATERIAL

A breakdown of the raw material types utilised is provided in Table B2. No examples of unusual materials (e.g. jasper, agate etc.) are included. Flint was predominately used for the production of the knapped material (47 pieces; 87%).

Raw material (colour)	Number	Percentage
Flint (grey)	33	61.1
Flint (brown)	11	20.4
Flint (red)	2	3.7
Flint	1	1.9
(indeterminate)		
Chert (grey-	5	9.3
black)		
Chert (grey)	1	1.9
Chert (brown)	1	1.9
Total	54	100

Table B2: Raw materials (excluding natural material)

The flint is consistent with beach sources available on the north-east coast, where grey, brown, and red flint can be found amongst the glacial till deposits (Henson 1985; Young 1984). Flint is also known from the chalk deposits of the Welton and Burnham formations (Harrison *et al.* 2006), although mining for flint within the Yorkshire Wolds is unlikely given the hardness of the chalk beds.

The remaining artefacts were produced using chert (7 pieces; 13%), which would have been locally available from Carboniferous deposits and within clayey-sands. Chert usage is restricted to Area 61, with one additional piece recovered from Area 47. The chert selected is generally of good quality, providing good conchoidal fracture properties. This is especially true of the grey-black variety, while the brown chert displays a more visible crystalline structure.

A significant proportion of the whole assemblage displays edge chipping, which is considered consistent with movement within the soil matrix. Patina is present on 31 pieces (57.4%), generally manifested as a white or milky-grey stain.

TECHNOLOGY

The following discussion excludes the material identified as natural and focuses on the 54 knapped artefacts. These are differentiated according to type in Table B3 below.

Туре	Area 3a	Area 16	Area 21	Area 47	Area 59	Area 61	Totals
Core	0	0	0	0	0	3	3
Flake	0	8	1	0	0	12	21
Blade	1	3	1	0	1	9	15
Debitage (angular	1	5	0	0	0	4	10
waste)							
Arrowhead	0	0	1	0	0	1	2
Scraper	0	1	0	1	0	0	2
Retouched/utilised	0	1	0	0	0	0	1
flake							
Total	2	18	3	1	1	29	54

Table B3: Composition of lithics by knapped form

Assemblage composition

Of the knapped material, 20 pieces (37%) retain cortex. All of these are secondary flakes, with between 10-90% cortex remaining on the dorsal surface.

The striking technology appears to be a mixture of soft (29 pieces; 53.7%) and hard hammer (7 pieces; 13%), although some of the soft hammer flakes appear to have been produced using forceful blows.

Cores

Three cores (5.5% of the knapper assemblage) were recovered from Area 61. Core morphology is summarised in Table B4.

All of the cores are flake cores and produced using flint, with the exception of the discoidal core (Fig. 10), which was produced using grey-black chert with good fracture properties. Their relatively small size suggests that maximising the use of the raw materials was necessary. The presence of cortex on WSP15_L009 suggests this was produced on a small pebble.

Table B4: Core morphology

Core type	Number
Multiplatform flake core	1
Single platform flake core	1
Discoidal	1
Total	3

Blades, flakes and debitage

A total of 21 flakes were recovered, which makes up the largest element (38.9%) of the assemblage. They mainly originated from Areas 16 and 61, with a single example from Area 21. Most were small, with only five having a maximum length over 30mm.

Blades and bladelets were also seen in significant quantities, with 15 examples (27.8%) found. These mainly came from Area 61 (9 pieces; 60% of blades), with others coming from Areas 16 (3 pieces; 20% of blades), and single finds in Areas 3a, 21 and 59. Damage was fairly high, with over a third being fragmentary and missing sections.

Ten pieces of debitage and angular waste were present.

Scrapers

Two scrapers were identified from Areas 16 and 47. The former appeared to be a small thumbnail scraper (Fig. 10), displaying retouch along the distal end of a small flake or squat bladelet. This is a characteristic early Bronze Age tool (Butler 2006). The example from Area 47 is an end scraper produced on a large chert flake (Fig. 10). It is probably of Neolithic origin, though providing an accurate assessment to whether earlier or later Neolithic is not currently possible.

Arrowheads

A single arrowhead was found in Area 61 (Fig. 10) at Thwaite. Produced on red flint, it displays a single barb and can be comfortably classified as a British oblique type. Retouch to the edges is semi-abrupt, rather than invasive. Its occurrence suggests a later Neolithic date.

A second suspected projectile point was recovered from Area 21, near How Hill. This is a small (>20mm) fragment of a flake with abrupt to semi-abrupt retouch applied along the edge,

forming a point (Fig. 10). It could be classed as an early Neolithic leaf-shaped arrowhead. It is attributed to Green's (1980) type 4B or 4C, although as it appears to have fractured, narrowing this down is difficult. This type is the most common found in northern England.

Other retouched/utilised pieces

A single piece displaying unusual characteristics was identified from Area 16. This is a crudely worked piece that appears to have been struck from a larger flake, presenting a ventral surface on both sides. Retouch may have been applied to form a scraping edge, but this would have not been very effective. In some ways it resembles a fractured axe tip, but establishing this as fact is difficult. As a result, an accurate assessment of this piece cannot be provided.

CONCLUSIONS

The assemblage appears to represent several periods of prehistory, based on the identification of a small number of diagnostic tools. Presence of later Neolithic/early Bronze Age technology suggests that peoples of this age were active within the local area, and more specifically working flint and chert within Areas 16 and 61, which displayed the highest concentrations of lithic evidence. Area 61 especially appeared to show evidence of flint working given the discarded cores that were recovered.

Flint was the primary resource used, although the presence of some cherts exemplifies that local resources were not ignored. However, where cherts are used, there appears to have been a selection for those that were more readily able to flake. This is most clearly demonstrated by the discoidal core recovered from Area 61.

Given the absence of primary flakes, but presence of some secondary flakes, it is likely that flint was brought into the areas in a partially worked, or tested, state and was probably sourced relatively locally.

RECOMMENDATIONS

All of the knapped material should be curated. Pieces identified as natural can be discarded as necessary.

Several artefacts are suggested to illustrate this report as black and white line drawings, and are listed below:

WSP15_030	Chert discoidal core
WSP15_039	Flint thumbnail scraper
WSP15_004	Brown chert end scraper
WSP15_011	Red flint oblique arrowhead
WSP15_003	Possible leaf shaped arrowhead/microlith

REFERENCES

- Andrefsky, W. (2005) *Lithics: Macroscopic Approaches to Analysis (Second Edition)*. Cambridge: Cambridge University Press.
- Butler, C. (2005) Prehistoric Flintwork. Stroud: Tempus.
- Cotterell, B., and J. Kamminga. (1987) The Formation of Flakes. *American Antiquity* 52 (4): 675–708.
- Clark, J.G.D. (1934) The classification of a microlithic culture: the Tardenoisian of Horsham. Archaeological Journal 90: 52–77.
- Green, H.S. (1980) *The flint arrowheads of the British Isles*. Parts I & II. British Archaeology Reports, BAR British Series 75 (i) & (ii). Oxford: Archaeopress.
- Harrison, D.J., Henney, P.J., Minchin, D., McEvoy, F.M., Cameron, D.G., Hobbs, S.F., Evans,
 D.J., Lott, G.K., Ball, E.L., and Highley, D.E. (2006) *Mineral Resource Information in Support of National, Regional and Local Planning: North Yorkshire (comprising North Yorkshire, Yorkshire Dales and North York Moors National Parks and City of York)*.
 British Geological Survey Commissioned Report, CR/04/228N.

Henson, D. (1985) The flint resources of Yorkshire and the Midlands. Lithics 6: 2–9.

Young, R. (1984) Potential sources of flint and chert in the north-east of England. Lithics 5: 3-9.

Table B5: Lithics assessment data

Site In	formation			Raw Material		Technology	Interpretation	
Area	Context No.	Flint No.	Quantity	Material	Material Colour	Туре	Period	Notes
21	08	WSP15_001	1	Flint	Grey	Flake	N/A	
21	08	WSP15_002	1		Grey	Bladelet	Meso./Neo.	
21	08	WSP15_003	1	Flint	Brown	Arrowhead?	Neolithic?	Too small for an awl/piercer. Could be a projectile point, but if so, looks early Neolithic.
47	49	WSP15_004	1	Chert	Grey	Scraper	Neolithic	
61	83	WSP15_005	1	Chert	Brown	Flake	N/A	Retouch requires further investigation. Potentially revise interpretation to a scraper? If so, period is probably Neolithic.
61	83	WSP15_006	1	Flint	Grey	Debitage	N/A	
61	83	WSP15_007	1	Flint	Brown	Debitage	N/A	
61	058	WSP15_008	1	Flint	Grey	Natural	-	Probably natural. Limited evidence of human working. Flake removal appears recent.
61	058	WSP15_009	1	Flint	Grey	Core	Meso./Neo.	Single platform. Crude prismatic core. Small flake removals indicate soft hammer.
61	058	WSP15_010	1	Flint	Brown	Core	Neolithic	Two platform core. Small flake removals indicate soft hammer.
61	058	WSP15_011	1	Flint	Red	Arrowhead	Neolithic	Looks like a single barbed British oblique. Would place it in later Neolithic.
61	058	WSP15_012	1	Flint	Brown	Blade	Meso./Neo.	
61	058	WSP15_013	1	Flint	Grey	Blade	Meso./Neo.	Flake scars on dorsal that are perpendicular to crest suggest probably later age.
61	058	WSP15_014	1	Flint	Grey	Blade	Meso./Neo.	
61	058	WSP15_015	1	Flint	Grey	Blade	Meso./Neo.	
61	058	WSP15_016	1	Flint	Grey	Flake	N/A	
61	058	WSP15_017	1	Flint	Grey	Blade	Meso./Neo.	

Site In	formation			Raw Material		Technology	Interpretation	
Area	Context No.	Flint No.	Quantity	Material	Material Colour	Туре	Period	Notes
61	058	WSP15_018	1	Flint	Grey	Blade	Meso./Neo.	
61	058	WSP15_019	1	Flint	Grey	Blade	Meso./Neo.	
61	058	WSP15_020	1	Flint	Brown	Flake	N/A	
61	058	WSP15_021	1	Flint	Brown	Debitage	N/A	
61	058	WSP15_022	1	Flint	Brown	Flake	N/A	
61	058	WSP15_023	1	Flint	Brown	Flake	N/A	
61	058	WSP15_024	1	Flint	Brown	Flake	N/A	
61	058	WSP15_025	1	Flint	Red	Flake	N/A	
61	058	WSP15_026	1	Flint	Grey	Debitage	N/A	Possible core rejuvenation?
61	058	WSP15_027	1	Flint	Brown	Flake	N/A	
61	058	WSP15_028	1	Flint	Brown	Flake	N/A	
61	058	WSP15_029	1	Chert	Grey-black	Blade	Meso./Neo.	
61	058	WSP15_030	1	Chert	Grey-black	Core	Neolithic	Discoidal reduction indicates probable Neolithic usage.
61	058	WSP15_031	1	Chert	Grey-black	Flake	N/A	
61	058	WSP15_032	1	Chert	Grey-black	Flake	N/A	
61	058	WSP15_033	1	Chert	Grey-black	Flake	N/A	
61	072	WSP15_034	1	Flint	Grey	Blade	N/A	
3a	Surface	WSP15_035	1	Flint	Grey	Blade	Meso./Neo.	
3a	Surface	WSP15_036	1	Flint	Grey	Debitage	N/A	
59	82	WSP15_037	1	Flint	Grey	Blade	Neolithic	Cruder blade form can probably be associated with the Neolithic.
16	50	WSP15_038	1	Flint	Grey	Flake	N/A	
16	50	WSP15_039	1	Flint	Grey	Scraper	Meso./Neo.	Possible thumbnail scraper.
16	50	WSP15_040	1	Flint	Grey	Flake	N/A	

Site In	formation			Raw Material		Technology	Interpretation	
Area	Context No.	Flint No.	Quantity	Material	Material Colour	Туре	Period	Notes
16	50	WSP15_041	1	Flint	Grey	Retouched flake?	N/A	Flake has two ventrals—flake removed from a much larger flake. Crudely worked. Lots of hinge fractures. Retouched for scraping edge, but wouldn't have been very effective. Looks like an axe tip, but no breakage surface? Reworked?
16	50	WSP15_042	1	Flint	Grey	Flake	N/A	
16	50	WSP15_043	1	Flint	Grey	Flake	N/A	
16	50	WSP15_044	1	Flint	Grey	Debitage	N/A	Could be natural piece, but scarring appears deliberate.
16	50	WSP15_045	1	Flint	Grey	Flake	N/A	
16	50	WSP15_046	1	Flint	Grey	Flake	N/A	Could also be classed as a blade, but thinnest end is proximal end.
16	50	WSP15_047	1	Flint	Unknown	Blade	Meso./Neo	
16	50	WSP15_048	1	Flint	Grey	Flake	N/A	Could be a core rejuvination tablet. Dorsal surface indicates a previous large flake removal.
16	50	WSP15_049	1	Flint	Grey	Debitage	N/A	Possible fractured distal end
16	50	WSP15_050	1	Flint	Grey	Natural	-	
16	50	WSP15_051	1	Flint	Grey	Blade	Meso./Neo.	If retouched on distal end, can be reclassed as an end scraper.
16	50	WSP15_052	1	Flint	Grey	Flake	N/A	
16	50	WSP15_053	1	Flint	Grey	Debitage	N/A	
16	50	WSP15_054	1	Flint	Grey	Debitage	N/A	
16	50	WSP15_055	1	Flint	Grey	Bladelet	Meso./Neo.	
16	50	WSP15_056	1	Flint	Grey	Debitage	N/A	Flake scars could be recent.
		Total	56					

APPENDIX C

POTTERY ASSESSMENT

C. Cumberpatch

INTRODUCTION

The pottery assemblages from excavations and watching briefs on the course of the West Stonesdale pipeline were examined in February 2016. They consisted of a total of 284 sherds of pottery weighing 2584g and represented a maximum of 264 vessels. The data is summarised in Table C1.

THE POTTERY

The earliest pottery present in any quantity in the assemblage was of medieval date. Only one sherd was identified as of a possibly earlier date; a heavily abraded sherd in a very soft red fabric from Area 61, context 58. This may have been a sherd of samian ware of Roman date although the condition was too poor for a positive identification to be made.

Medieval pottery included sherds of Tees Valley ware (types A and B; Area 21; see Didsbury 2010), Winksley type ware (Area 46; see Bellamy and Le Patourel 1970) and a possible sherd of Scarborough ware (Area 46), Reduced Greenware (Areas 21, 42, 46 and 41) and a number of sherds which were unidentifiable to known types but clearly of medieval date. These local wares were given generic names (Oxidised Sandy ware, Reduced Sandy ware, Buff Sandy ware, Late Medieval Sandy ware) and brief descriptions of the fabrics are included in the data table. Two sherds of an unidentified Brown Sandy ware, were noted in Areas 21 and 46 and may well be the earliest post-Roman pottery in the assemblage. A date in the 11th to 12th centuries is most likely, but a late pre-Conquest date cannot be entirely ruled out.

Late medieval to early post-medieval wares were represented by groups of Green Glazed Sandy ware from Areas 3, 21, 42, 46, 47B, 48, 49 and 61 with two sherds of Cistercian ware from Area 46. Areas 3, 61 and possibly 47B produced sherds of Yellow ware while 17th-century Blackware was present in Area 61. Sherds of Coarse Blackware, and Midlands Purple type ware of later 17th- to early 18th-century type, were noted in Areas 47B, 49 and 61.

German stoneware of post-medieval date was represented by a sherd of an unidentified type, possibly Frechen-Koln, from Area 3 and a piece of Raeren stoneware from Area 46. Such stonewares are one of the few types of imported pottery which regularly occur on inland sites in the later medieval and post-medieval periods.

Sherds of Tin Glazed Earthenware of Anglo-Dutch type were identified in Areas 46, 47B and 61. Tin Glazed Earthenware (also known as Delftware) was both imported from the Low Countries and manufactured in England and Scotland between the mid-16th and mid-18th century. Identifying individual items to a specific workshop or even a country is difficult unless complete painted designs are present. This was not the case here and the source of the sherds is unknown. Their presence, together with that of the formal tablewares, suggests that at least some households in the area were able to obtain the types of fashionable items that played an important part in the establishment and maintenance of the 'Georgian Order' which constituted an important part of the habitus of early modern society.

Early modern wares (c.1720–c.1840) were more abundant than earlier types and included range of vernacular tablewares as well as formal tablewares and the ubiquitous utilitarian wares.

The vernacular tablewares included a group of Fine Redwares (Areas 3, 47B, 49 and 61), which were distinguished by their forms and resembled those of Late Blackwares (discussed below) but lacked the distinctive black glaze of the latter type. Late Blackware, Mottled ware, Slip Coated ware and Slipware, the four classic vernacular tableware types that have a wide distribution on sites in Yorkshire (and beyond), were present in some quantity, as detailed in Table C1. These wares have been discussed in some detail elsewhere (Cumberpatch 2014) and while it is not possible to determine the origin of the examples from West Stonesdale, it is most probable that they are local. An origin in Staffordshire, often asserted in the case of vernacular tablewares, seems most improbable, given the abundant evidence for the widespread manufacture of such wares in northern England.

Formal tablewares were also well represented, with a sherd of White Salt Glazed Stoneware from Area 49 and larger quantities of Creamware from a variety of areas, as detailed in Table C1. Pearlware was somewhat less common but was present in both plain and transfer printed forms. Area 47B also produced a sherd of Edged ware. Less common contemporary types included a sherd of Jasper ware from Area 3 and two sherds of Black Basalt ware from Areas 46 and 61.

Utilitarian wares included Brown Glazed Coarseware, Yellow Glazed Coarseware and Yellow Glazed Fineware. The latter two types were present in significantly larger quantities than the Brown Glazed Coarseware, a situation which is the reverse of that found in towns. This may suggest that the distinction between the two types was more than a chance or aesthetic one and may relate to the relationship between the nature of the vessels and the functions for which they were intended. The difficulty of dating such wares means that they may belong to the later part of the early modern period or to the subsequent recent period.

Recent pottery (c.1840–c.1950) was represented by a variety of refined earthenwares, notably Whiteware (plain and transfer printed), Colour Glazed ware, Banded wares (including Cabled Slipware and Slip Banded Cane Coloured (CC) ware), Sponged ware and Bone China. Utilitarian wares were represented by Brown Salt Glazed Stoneware, other types of Stoneware and most probably some of the Brown and Yellow Glazed Coarsewares, as discussed above. This component of the assemblage conforms closely to the pattern established on other sites with a 19th and early 20th century component.

DISCUSSION

Thwaite village Site 1 (Areas 60 and 61)

Only one context, 63, in Area 60 produced any pottery. This was a broken sherd of Reduced Sandy ware dating to the period between the later 13th and early/mid-15th century.

The assemblage from Area 61 was of a considerably larger size, although the majority of sherds came from the topsoil (83) and subsoil (58). These assemblages were of mixed character with that from context 58 being particularly diverse, perhaps even including a sherd of Roman date (possible samian ware). Early modern wares predominated in both cases although medieval sherds were also present together with (in context 58), sherds of recent date.

Contexts **60**, **65**, **66** and **74** each contained individual sherds or small groups of sherds of late medieval or early modern date. Interpreting such small quantities of material is difficult but the evidence points to medieval and later activity on and around the location of the excavation.

Generally speaking recent material was relatively sparse in comparison to the early modern assemblage although without more data from a larger area it is not possible to determine whether this was a purely local effect or whether it relates to some wider change in the pattern of activity on and around the site.

Ivelet to Gunnerside (Areas 46, 47B, 48 and 49)

Areas 46, 47B, 48 and 49 produced a substantial assemblage of pottery, much of it from context 49, a subsoil layer present across Areas 46, 47 and 47B. Topsoil contexts in Areas 48 and 49 also accounted for a high percentage of the total.

All of the pottery from Area 46 was recovered from context 49 and the assemblage was dominated by medieval and early post-medieval wares with a smaller quantity of recent material. The medieval pottery was diverse in character and included two sherds of probable Winksley type ware and a sherd of probable Scarborough type ware alongside a larger quantity of local types. Later types included Cistercian ware and Green Glazed Sandy ware suggesting that medieval activity persisted into the early post-medieval period. Imported wares were represented by the sherd of Raeren stoneware.

In contrast to other areas, late post-medieval and early modern wares were relatively rare although they were not entirely absent and included sherds of Tin Glazed Earthenware and Black Basalt ware.

The assemblage from Area 47B, context 49, consisted largely of early modern and recent wares with vernacular and formal tablewares predominant amongst the former and refined earthenwares amongst the latter. The range of wares was entirely standard for these periods.

The topsoil layers from Areas 48 and 49 resembled the group from Area 47B more than they did that from Area 46 in that the majority of the pottery was of early modern and recent date with medieval and post-medieval wares represented by sherds of Green Glazed Sandy ware and Oxidised Sandy ware.

Gunnerside to Low Whita (Areas 21, 40 and 42)

In Area 21 only context **8** and **93** produced any pottery. The assemblage from context **8** was diverse in character and included medieval wares (notably Tees Valley A and B ware but also including Reduced Greenware and unidentified types) alongside small quantities of post-medieval, early modern and recent wares. While the quantities are too small for definite conclusions to be drawn, the range of material suggests a long period of activity, presumably domestic, on the site or in its immediate vicinity.

The sherd from context **93** was of interest because of its possible early date. An 11th to 12thcentury date is probable but a late Saxon date cannot be ruled out.

Context **44** in Area 40 produced just five sherds of recent types including Whiteware and stoneware. In contrast the topsoil context in Area 42 produced only medieval wares although

in small quantities (three sherds). These were all of a relatively late date and the sherd of Green Glazed Sandy ware could be considered to be of early post-medieval date.

Low Whita to Reeth (Areas 3, 3B, 56)

Only one context in Area 3 (**30**) produced any pottery and this took the form of a mixed assemblage of post-medieval, early modern and recent wares with the latter represented by just two sherds of Cane Coloured ware. Areas 3B and 56 (contexts **34** and **21** respectively), although they contained much smaller quantities of pottery, were also primarily of early modern date with a single sherd of medieval pottery from Area 56.

Other (Area 9)

The topsoil context in Area 9 produced three small sherds of pottery, one of which (Redware type) was of 18th-century date. The remaining two were of recent date with the sherd of Bone China being particularly late, being of late 19th to early 20th century date.

CONCLUSION

Although the small areas investigated, and the nature of the contexts excavated, precluded any far-reaching interpretations, it is clear that a long period of human activity was represented by the pottery assemblages, albeit that these were probably discontinuous in both time and space.

REFERENCES

Bellamy, C. V. and Le Patourel, H. E. J. (1970) Four medieval pottery kilns on Woodhouse farm, Winksley, near Ripon, W. Riding of Yorkshire. *Medieval Archaeology* 14, 104–125.

Didsbury, P. (2010) 'Medieval pottery'. In: R. Daniels (ed.) *Hartlepool: An archaeology of the medieval town*. Tees Archaeology Monograph Series 4. Hartlepool: Tees Archaeology, 218–246.

Table C1: Pottery catalogue

Area	Context	Туре	No	Part	Form	Decoration	Date range
3	30	Brown Glazed Coarseware	1	BS	Pancheon	Brown glaze int only	LC18th – C19th
3	30	Cane Coloured ware	1	Ring foot base	Bowl	U/Dec	C19th
3	30	Cane Coloured ware	1	Ring foot base	Bowl	U/Dec	C19th
3	30	Creamware	2	Rim	Plate	U/Dec	с.1740 – с.1820
3	30	Creamware	1	BS	Plate	U/Dec	с.1740 – с.1820
3	30	Creamware	2	Flakes	Flatware	U/Dec	с.1740 – с.1820
3	30	Creamware?	1	Footring base	Plate	U/Dec	с.1740 – с.1820
3	30	Fine Redware	2	BS	Hollow ware	Clear glaze int & ext	C18th
3	30	German stoneware	1	BS	Hollow ware	Pale brown mottled salt glaze ext	C16th – C17th
3	30	Green Glazed Sandy ware	1	Footed base	Jar	Thin green to brown glaze int & ext	C16th – EC17th
3	30	Jasper ware	1	Rim	Lid	Applied white sprigged decoration on top of lid	LC18th – EC19th
3	30	Late Blackware	1	Footed base	Jar	Brown glaze int & ext	C18th
3	30	Mottled Yellow Glazed Fineware	1	BS	Dish	Streaky brown mottling on white slip under clear glaze int only	LC18th – C19th
3	30	Pearlware	1	Rim	Bowl	Hand painted blue & green floral pattern int, blue line on rim	с.1780 – с.1840
3	30	Pearlware	1	Ring foot base	Cup/bowl	U/Dec	с.1780 – с.1840
3	30	Slipware	2	Rim	Dish	Red-brown slip stripe on white slip int	C18th
3	30	Yellow Glazed Coarseware	1	Base	Pancheon	White slip int only under clear glaze	LC18th – C19th
3	30	Yellow ware	2	Footed base	Cup/tyg	Clear glaze int & ext on a fine white body	LC15th – C17th
3	30	Yellow ware	1	Base	Hollow ware	Clear glaze int on a white body; red slip on underside	LC15th – C17th
9	78	Bone China	1	Rim	Cup/bowl	Moulded fluted body	MC19th – EC20th
9	78	Redware type	1	BS	U/ID	Clear glaze ext	C18th – EC19th
9	78	Stoneware	1	Base	Cup/bowl	U/Dec	LC18th – C19th
21	8	Buff Sandy ware	1	BS	Hollow ware	U/Dec	Medieval
21	8	Creamware	1	Footring base	Plate	U/Dec	с.1740 – с.1820
21	8	Green Glazed Sandy ware	1	Rim	Dish	Green gaze int; groove inside plain rim	LC15th – C16th

Area	Context	Туре	No	Part	Form	Decoration	Date range
21	8	Green Glazed Sandy ware	1	BS	Hollow ware	Patchy green glaze ext; heavily abraded int	LC15th – C16th
21	8	Green Glazed Sandy ware	1	BS	Dish/bowl	Bright green glaze int	LC15th – C16th
21	8	Late Blackware	1	Handle	Jug	U/Dec	C18th
21	8	Late Blackware	1	BS	Hollow ware	U/Dec	C18th
21	8	Oxidised Sandy ware	1	BS	U/ID	U/Dec	Late Medieval?
21	8	Oxidised Sandy ware	1	BS	Hollow ware	U/Dec	Late Medieval
21	8	Reduced Greenware type	1	BS	Hollow ware	Heavily abraded green glaze ext	LC13th – C15th
21	8	Tees Valley A ware	1	Bifid rim	Jar	Bifid rim	LC12th – C14th
21	8	Tees Valley B ware	1	Rim	Jug	Patches of discoloured, overfired glaze ext on buff slip ext	MC13th – C14th
21	8	Tees Valley B ware	1	BS	Hollow ware	Thick white slip ext; TVC variant	MC13th – C14th
21	8	Whiteware	1	Footring base	Dish	U/Dec	M – LC19th
21	8	Whiteware	1	BS	Flatware	U/Dec	M – LC19th
21	8	Yellow Glazed Coarseware	1	BS	Pancheon	White slip int under blistered clear glaze int	LC18th – C19th
21	8	Yellow Glazed Coarseware	1	BS	Pancheon	White slip int only under clear glaze	LC18th – C19th
21	8	Yellow Glazed Fineware	2	Flat base	Dish	White slip int only under clear glaze	C18th – EC19th
21	8	Yellow Glazed Fineware	3	BS	Dish/bowl	White slip int only under clear glaze	C18th – EC19th
21	8	Yellow Glazed Fineware	1	BS	Dish/bowl	White slip int only under clear glaze	C18th – EC19th
21	93	Brown Sandy ware	1	BS	Hollow ware	U/Dec	C11th – C12th
40	44	Stoneware	2	Flat base	Bottle	Grey ext, buff int; lead glaze	M – LC19th
40	44	Unglazed Red Earthenware	1	Footed base	Hollow ware	U/Dec	C19th
40	44	Whiteware	1	BS	Hollow ware	U/Dec	M – LC19th
40	44	Yellow Glazed Coarseware	1	Base	Pancheon	White slip int only under clear glaze	LC18th – C19th
42	79	Green Glazed Sandy ware	1	BS	Dish/bowl	Green glaze int only	C15th – C16h
42	79	Reduced Greenware type	1	BS	Hollow ware	Pale green glaze int & ext	LC13th – C15th
42	79	Reduced Sandy ware	1	BS	Hollow ware	U/Dec	Late Medieval
46	49	Black Basalt ware	1	Ring foot base	Hollow ware	Matte black finish	M – LC18th

Area	Context	Туре	No	Part	Form	Decoration	Date range
46	49	Brown Salt Glazed Stoneware	1	Footed base	Bowl	Brown salt glaze int & ext	C19th
46	49	Brown Salt Glazed Stoneware	1	BS	Bowl	Stamped band ext	C19th
46	49	Brown Sandy ware	1	Rim	Jar	Small triangular clubbed rim; sparse splashed glaze int	LC11th – C12th
46	49	Buff Sandy ware	1	BS	Jug?	Pale green friable glaze ext	Medieval
46	49	Cistercian ware	1	Footed base	Cup/tyg	Black glaze int & ext	с.1450 – с.1600
46	49	Cistercian ware	1	Rim	Cup/tyg	Brown glaze int & ext	с.1450 - с.1600
46	49	Green Glazed Sandy ware	1	Rim/spout	Jug	Pale green glaze int & ext	LC15th – C16th
46	49	Green Glazed Sandy ware	1	BS	Hollow ware	Dark green glaze int & ext	LC15th – C16th
46	49	Green Glazed Sandy ware	1	BS	Dish	Dark green glaze int	C16th – C17th
46	49	Green Glazed Sandy ware	1	Rim	Jug	Dark mottled green glaze int & ext	LC15th – C16th
46	49	Green Glazed Sandy ware	1	BS	Dish	Green glaze int w/ prominent ridge	LC15th – C16th
46	49	Green Glazed Sandy ware	1	Rim	Jar	Dark green glaze int & ext	LC15th – C16th
46	49	Green Glazed Sandy ware type	1	Rim	Jug?	Patchy clear/pale brown glaze int & ext; extensively flaked	LC15th – C16th
46	49	Late Blackware	1	BS	Hollow ware	U/Dec	C18th
46	49	Oxidised Sandy ware	1	Rim	Jug	Patchy dark green glaze int & ext	Medieval
46	49	Oxidised Sandy ware	1	BS	Hollow ware	U/Dec	M – LC18th
46	49	Raeren Stoneware	1	Strap handle	Mug/jug	Patchy mottled brown salt glaze on a grey body	C15th – C16th
46	49	Reduced Greenware type	1	BS	Hollow ware	Combed wavy line ext; flaky friable glaze ext	MC14th – MC15th
46	49	Reduced Sandy ware	1	BS	Hollow ware	Pale yellow-green splashed glaze ext	C12th – MC13th
46	49	Reduced Sandy ware	1	BS	Hollow ware	Patchy dark green glaze ext	C13th – C14th
46	49	Reduced Sandy ware	1	BS	Hollow ware	Traces of green glaze ext	Medieval
46	49	Reduced Sandy ware	1	Rim	Hollow ware	Pale brown glaze int & ext	Medieval
46	49	Reduced Sandy ware	6	BS	U/ID	U/ID	Medieval
46	49	Scarborough type ware?	1	BS	Hollow ware	Dark green glaze ext, clear glaze int	C13th – EC14th
46	49	Tin Glazed Earthenware	2	Recessed base	Plate	Discoloured tin glaze int; flaked	MC16th – MC18th
46	49	Whiteware	1	Ring foot base	Mug	U/Dec	M – LC19th

Area	Context	Туре	No	Part	Form	Decoration	Date range
46	49	Whiteware	1	BS	Hollow ware	U/Dec	M – LC19th
46	49	Winksley type ware	1	BS	Hollow ware	Friable green glaze ext	C13th – EC14th
46	49	Winksley type ware	2	BS	Jug	Applied vertical strip ext; dull green friable glaze	C13th – EC14th
46	49	Yellow Glazed Fineware type	1	Rim	Dish/bowl	Thin white slip on rim	C18th – EC19th
46	49	Yellow Glazed Fineware?	1	Flake	Bowl	Trace of white glaze int	LC18th – C19th
48	80	Cabled Slipware	1	BS	Hollow ware	White slip int; multi-coloured cabled slip band ext	LC18th – C19th
48	80	Creamware	1	BS	Flatware	U/Dec	с.1740 – с.1820
48	80	Green Glazed Sandy ware	1	Rim	Dish	Dark green glaze int; groove inside plain rim	LC15th – C16th
48	80	Midlands Purple type ware?	1	Base	Dish	Severely blistered glaze int	C17th?
48	80	Mottled Creamware	1	BS	Hollow ware	Moulded ridge & dots ext; fine purple mottling ext	с.1740 – с.1820
48	80	Mottled ware	1	Footed base	Cup/mug	Mottled glaze int & partially ext	C18th
48	80	Mottled ware type	1	BS	Hollow ware	Brown, slightly mottled glaze int & ext	C18th
48	80	Mottled Yellow Glazed Fineware	1	BS	Dish	White slip int w/ pale mottling; dark glaze ext	LC18th – C19th
48	80	Redware type	1	BS	Dish/bowl	Clear glaze int	C18th
48	80	Redware type	1	Rim	U/ID	Clear glaze int & ext	C18th
48	80	Slip Banded ware	1	Rim	Bowl	Red-brown band & dark brown lines ext	C19th
48	80	Slipware	1	BS	Dish	Parallel white slip lines int	C18th
48	80	Slipware	2	BS	Hollow ware	Clear glaze int; red slip under clear glaze ext, round slip discs	C18th
48	80	TP Pearlware	1	BS	Flatware	U/ID TP design int	с.1780 – с.1840
48	80	Unglazed Red Earthenware	1	BS	Hollow ware	U/Dec	C19th
48	80	Vernacular tableware	1	BS	Dish/bowl	Green glaze int & partially ext	C18th
48	80	Whiteware	1	BS	Hollow ware	U/Dec	M – LC19th
48	80	Whiteware	1	BS	Hollow ware	Rilled ext w/ dark blue glaze	M – LC19th
48	80	Whiteware	1	Rim?	Bowl?	Hand-painted blue design on top of rim	M – LC19th
48	80	Whiteware?	1	Flake	U/ID	Very dark blue glaze on surviving ext surface	C19th

Area	Context	Туре	No	Part	Form	Decoration	Date range
48	80	Yellow Glazed Fineware	1	BS	Dish/bowl	White slip int, dark glaze ext	LC18th – C19th
49	80	Bone China	1	Rim	Plate	U/Dec	MC19th – EC20th
49	80	Coarse Blackware	1	Rim	Jar	Hard black glaze int & ext	C18th
49	80	Creamware?	1	BS	U/ID	U/Dec	с.1740 – с.1820
49	80	Fine Redware	1	BS/Flake	Hollow ware	Rouletted or impressed line ext	C18th
49	80	Green Glazed Sandy ware	1	Strap handle	Handled jar	Green glaze on top of handle	C16th – EC17th
49	80	Late Blackware	1	BS & handle	Hollow ware	Black glaze int & ext	C18th
49	80	Oxidised Sandy ware	1	BS	Hollow ware	Thin red slip ext; raised ridges ext	Late Medieval?
49	80	Pearlware	1	Rim	Lid	Hand-painted blue geometric design on top of lid	с.1780 – с.1840
49	80	Slip Banded CC ware	2	BS	Hollow ware	Thin white slip lines ext	C19th
49	80	Slip Coated ware	1	Footed base	Cup/tyg	Thin red slip under glaze int & ext	C18th
49	80	Slipware	1	BS & handle	Hollow ware	Thin white slip lines ext	C18th
49	80	Slipware	1	BS	Hollow ware	Concentric slip lines around a central slip disc; clear glaze	C18th
49	80	Sponge Printed ware?	1	BS	Hollow ware	Blue sponge printed pattern ext	c.1840+
49	80	TP Whiteware	1	BS	Plate	Willow	M – LC19th
49	80	TP Whiteware	1	BS	U/ID	Traces of TP design int & ext	M – LC19th
49	80	TP Whiteware	1	BS	Hollow ware	Chinese landscape ext	M – LC19th
49	80	White Salt Glazed Stoneware	1	Footring base	Flatware	U/Dec	с.1720 – с.1780
49	80	Whiteware	1	BS	Hollow ware	U/Dec	M – LC19th
49	80	Whiteware	1	Footed base	Plate	U/Dec	M – LC19th
49	80	Yellow Glazed Coarseware	1	Rim	Pancheon	White slip int w/ unglazed band on top of rim	LC18th – C19th
49	80	Yellow Glazed Fineware	1	BS	Dish	White slip int under clear glaze int	C18th – EC19th
56	21	Buff Sandy ware	1	BS	Hollow ware	Double band of square rouletting & patch of clear glaze ext	C12th – C13th
56	21	Creamware	1	BS	Flatware	U/Dec	с.1740 – с.1820
56	21	Late Blackware?	1	BS	Hollow ware	Blistered glaze int	C18th
60	63	Reduced Sandy ware	3	BS	Jug?	Traces of green glaze ext	LC13th – C15th?

Area	Context	Туре	No	Part	Form	Decoration	Date range
61	58	Black Basalt ware	1	Ring foot base	Hollow ware	Vertical fluting ext	M – LC18th
61	58	Blackware	1	Handle	Mug/jug	Double twisted handle; black glaze int & ext	C17th
61	58	Brown Glazed Coarseware		BS	Hollow ware	Black glaze int & ext	C19th
61	58	Cane Coloured ware	1	BS	Hollow ware	U/Dec	C19th
61	58	Colour Glazed ware	1	Handle	Teapot	Brown glazed handle	C19th
61	58	Creamware	3	Rim	Dish/saucer	U/Dec	с.1740 – с.1820
61	58	Creamware	1	BS	Flatware	U/Dec	с.1740 – с.1820
61	58	Creamware	1	BS	Hollow ware	U/Dec	с.1740 – с.1820
61	58	Creamware	3	BS	Hollow ware	U/Dec	с.1740 – с.1820
61	58	Creamware?	1	Recessed base	Plate	U/Dec	с.1740 – с.1820
61	58	Fine Redware	1	Footed base	Cup/tyg	Clear glaze int & ext	C18th
61	58	Fine Redware		Handle	Mug/jug	Double-lobed handle	C18th
61	58	Fine Redware	1	Base	Hollow ware	Clear glaze int only	C18th
61	58	Late Blackware	1	BS	Cup/porringer	Black glaze int & partially ext	C18th
61	58	Late Blackware	1	Rim	Hollow ware	Black glaze int & ext	C18th
61	58	Late Blackware	1	Rim	jar	Black glaze int & ext	C18th
61	58	Late Blackware	2	BS	Hollow ware	Dark glaze int & ext	C18th
61	58	Late Blackware	3	BS	Hollow ware	Black glaze int & ext	C18th
61	58	Late Blackware?	2	Rim	Hollow ware	Blistered black glaze int & ext	C18th
61	58	Late Medieval Sandy ware	1	BS	Hollow ware	U/Dec	Late Medieval
61	58	Pearlware	1	BS	Dish/bowl	Hand painted dark blue linear design int & ext	с.1780 – с.1840
61	58	Reduced Greenware type 1		BS/spigot hole	Cistern	Dark brown glaze int & ext	LC14th – C15th
61	58			BS	U/ID	U/ID	Medieval
61	58	Redware type	1	Base	Dish/bowl	Clear glaze int only	C18th
61	58	Slip Coated ware	1	Handle	Cup/porringer	Thin red slip under dark glaze	C18th
61	58	Slipware	1	BS	Hollow ware	White slip discs in a line ext; clear glaze int & ext	C18th

Area	Context	Туре	No	Part	Form	Decoration	Date range
61	58	Slipware	1	BS	Jug?	Curvilinear white slip design ext	C18th
61	58	Slipware	2	BS	Bowl	Two thin white slip lines int	C18th – EC19th
61	58	Slipware		Footed base	Jar	Thin red & white slip, finely feathered decoration ext	C18th
61	58	Tin Glazed Earthenware	1	BS	Flatware	Hand-painted blue linear design on a blue-white background	MC16th – MC18th
61	58	Tin Glazed Earthenware	1	BS	Flatware	Hand painted blue design int; floral?	MC16th – MC18th
61	58	TP Pearlware	1	Recessed base	Flatware	Fine printed Chinese landscape design int	с.1780 – с.1840
61	58	TP Whiteware	1	BS	Flatware	U/ID TP design int	M – LC19th
61	58	TP Whiteware?	2	Rim	Dish/saucer	Very heavily burnt w/ U/ID TP design int only	C19th
61	58	Unidentified pottery	1	Ring foot base?	Hollow ware	U/ID	Undated
61	58	Whiteware?	1	BS	Hollow ware	U/Dec	LC18th – C19th
61	58	8 Yellow Glazed Coarseware		Rim	Bowl	White slip int only under clear glaze	LC18th – C19th
61	58	Yellow Glazed Fineware	1	BS	Bowl	White slip int under clear glaze int	LC18th – C19th
61	58	Yellow Glazed Fineware	1	Base	Bowl	White slip int under clear glaze int	LC18th – C19th
61	60	Reduced Sandy ware	6	BS	Hollow ware	Traces of green glaze on ext surface	LC13th – C15th?
61	65	Coarse Blackware type	1	BS	Hollow ware	Dark brown to black finely mottled glaze int & ext	LC17th – C18th
61	65	Mottled ware	1	Rim	Hollow ware	Mottled glaze int & ext	C18th
61	66	Reduced Sandy ware	1	BS	Hollow ware	Combed wavy lines ext under dark green gaze	Late Medieval
61	74	Creamware	1	BS	Flatware	U/Dec	с.1740 – с.1820
61	74	Late Blackware type	3	Rim & BS	Dish	Blistered black glaze int & partially ext	C18th
61	74	Yellow Glazed Coarseware	1	BS	Pancheon	White slip under clear glaze int; thin glaze ext w/ fingermarks	LC18th – C19th
61	83	Blackware	1	BS	Hollow ware	Black glaze int & ext	C17th
61	83	Blackware 1 Rim & spou		Rim & spout	Jug	Black glaze int & ext	C17th
61	83	83 Fine Redware 1		Footed base	Cup/mug	Clear glaze int	C18th
61	83	Fine Redware	1	Rim	Dish	White slip line on rim; clear glaze int only	C18th
61	83	Fine Redware	1	Rim	Dish	Clear glaze int & ext	C18th

Area	Context	Туре	No	Part	Form	Decoration	Date range
61	83	Green Glazed Sandy ware	1	BS	Hollow ware	Thin green glaze int & ext	LC15th – C16th
61	83	Late Blackware	1	Handle	Cup/mug	Raised ridge on top of handle	C18th
61	83	Late Blackware		BS	Hollow ware	Black glaze int & ext	C18th
61	83	Late Blackware?	1	BS	Hollow ware	Black glaze int & ext	C18th
61	83	Reduced Sandy ware	1	Handle	Jug	Traces of green glaze ext	Medieval
61	83	Reduced Sandy ware	1	BS	Hollow ware	Traces of green glaze ext	Medieval
61	83	Redware type	1	Flake	Dish?	U/ID	C18th
61	83	Sandy ware	1	BS	Hollow ware	U/ID (abraded surfaces)	Late Medieval
61	83	Sandy ware	1	Flake	U/ID	U/ID (abraded surfaces)	Late Medieval
61	83	Slipware	1	BS	Jar	Very thin lines of white slip ext under clear glaze	C18th
61	83	Yellow Glazed Coarseware	2	Base	Pancheon	White slip int only under clear glaze	LC18th – C19th
61	83	Yellow ware		Base	Cup/tyg	Small footed base w/ clear/yellow glaze ext	LC15th – C17th
3B	34	Mottled ware	3	Flat base	Hollow ware	Mottled glaze int & ext	C18th
3B	34	Slipware	1	Rim	Dish	Pie crust rim; white on red stripes int	C18th
47B	49	Blue Banded ware	1	Rim	Bowl	Broad blue band ext	C19th
47B	49	Brown Glazed Coarseware	1	BS	Pancheon	Brown glaze int, thin red slip ext	C18th – EC19th
47B	49	Brown Glazed Coarseware	1	BS	Hollow ware	Brown gaze ext only	C17th – EC18th
47B	49	Brown Glazed Coarseware type	1	Footed base	Bowl	Clear glaze int only	C19th
47B	49	Buff Sandy ware	1	BS	U/ID	Thin clear glaze ext	Late Medieval?
47B	49	Cabled slipware	1	BS	Hollow ware	Red-brown band w/ cats-eye/cabled slip decoration ext	C19th
47B	49	Cane Coloured ware	1	Flake	U/ID	U/Dec	C19th
47B	49	Coarse Blackware		Base	Hollow ware	Black glaze int & partially ext	LC17th – C18th
47B	49	Colour Glazed ware		Handle	Hollow ware	Sub-rectangular section handle; pale green glazed finish	C19th
47B	49	Colour Glazed ware	1	BS	Hollow ware	Yellow glaze int & ext	C19th
47B	49	Creamware	1	BS	Flatware	U/Dec	с.1740 – с.1820
47B	49	Creamware	3	BS	Flatware	U/Dec	с.1740 – с.1820

Area	Context	Туре	No	Part	Form	Decoration	Date range
	10		_	5.		Wavy edge rim, low relief moulding & blue feather-edge	
47B	49	Edged ware	1	Rim	Plate	paint	LC18th – EC19th
47B	49	Fine Redware	1	Footring base	Flatware	Clear glaze int only w/ black patches	C18th – EC19th
47B	49	Fine Redware		BS	Hollow ware	Clear glaze int & ext	C18th – EC19th
47B	49	Fine Redware	1	Base?	U/ID	Clear glaze	C18th – EC19th
47B	49	Green Glazed Sandy ware	1	BS	Hollow ware	Dark green glazed int & ext	C16th – EC17th
47B	49	Late Blackware	2	Footed base	Cup/mug	Black glaze int & partially ext	C18th
47B	49	Late Blackware	1	Handle	Porringer	Black glaze int & ext	C18th
47B	49	Late Blackware	1	BS	Hollow ware	Black glaze ext, rilled body	C18th
47B	49	Mottled ware	1	BS	Mug/tankard	Mottled glaze int & ext; rouletted bands ext	C18th
47B	49	Pearlware	1	BS	Flatware	Hand-painted blue linear design int	с.1780 – с.1840
47B	49	Pearlware 1 Handle? U/ID U/Dec		U/Dec	с.1780 – с.1840		
47B	49	Sandy ware	1	BS	Hollow ware	Green glaze int, black glaze ext	C18th?
47B	49	Slip Banded CC ware	1	BS	Carinated bowl	Thin dark brown slip lines ext	C19th
47B	49	Slip Banded CC ware	1	BS	Hollow ware	Blue and brown slip bands ext	C19th
47B	49	Slip Banded CC ware	1	Rim	Bowl	White and brown slip lines ext	C19th
47B	49	Slip Banded CC ware	1	BS	Hollow ware	Thin white slip lines ext	C19th
47B	49	Slipware	1	BS/shoulder	Jug/mug	Thin white slip int; white slip stripes; clear glaze, mottling ext	C18th
47B	49	Slipware	1	BS	Dish	White lines & bands int under clear glaze int only	C18th – EC19th
47B	49	Sponged ware?	1	BS	Flatware	Blue sponging int	с.1840+
47B	49	Stoneware 1 BS Hollow ware Two thin incised lines ext		Two thin incised lines ext	C18th – EC19th		
47B	49	Stoneware 1 Base Hollow ware Clear glaze int & ext		Clear glaze int & ext	C18th – EC19th		
47B	49	Tin Glazed Earthenware	Earthenware 1 BS Flatware Blue hand-painted concentric blue lines & bands int		MC16th – MC18th		
47B	49	TP Pearlware			с.1780 – с.1840		
47B	49	TP Whiteware	1	Rim	Plate	Asiatic Pheasants	M – LC19th
47B	49	TP Whiteware	1	Rim	Plate	U/ID TP design int	M – LC19th

Area	Context	Туре	No	Part	Form	Decoration	Date range
47B	49	TP Whiteware	1	Rim	Bowl	Willow	M – LC19th
47B	49	TP Whiteware	1	BS	Hollow ware	Willow	M – LC19th
47B	49	TP Whiteware	1	Ring foot base	Cup/bowl	U/ID TP design int; Flow Blue	1840+
47B	49 TP Whiteware		1	BS	Flatware	Willow?	M – LC19th
47B	49	Whiteware	1	BS	Hollow ware	U/Dec	M – LC19th
47B	49	Whiteware?	1	BS	Flatware	U/Dec	M – LC19th
47B	49	Yellow Glazed Coarseware	1	Rim	Bowl	White slip int only under clear glaze	LC18th – C19th
47B	49	Yellow Glazed Coarseware	1	BS	Bowl	White slip int only under clear glaze, clear glaze ext	LC18th – C19th
47B	49	Yellow ware type	1	BS	Hollow ware	Clear glaze int only on a buff body	LC17th – C18th
		Total	284				

APPENDIX D

MISCELLANEOUS FINDS

E. Foulds

INTRODUCTION

A collection of 89 artefacts was recovered from archaeological excavations in advance of the West Stonesdale pipeline renewal. The results of quantification and analysis are presented below.

THE ASSEMBLAGE

The finds recovered from excavations covered a wide range of artefact materials (Table D1). The majority of the artefacts were undiagnostic in terms of date, but there were a number that could be attributed to the post-medieval period (Table D2). In addition, there was one Romano-British artefact.

Table D1: Summary of material quantities

	Area													
Material	3	3a	3b	9	16	21	40	46	48	56	59	60	61	Total
Glass	3	1					7	2	2		1		12	28
Clay pipe	3						1						1	5
Iron			2	5		2	4	7				1	9	30
Plaster				16										16
Copper alloy					1	1		2					3	7
Lead								1		1				2
Stone							1							1
Total	6	1	2	21	1	3	13	12	2	1	1	1	25	89

Table D2: Summary of quantities by period

		Area												
Period	3	3a	3b	9	16	21	40	46	48	56	59	60	61	Total
Romano-British													1	1
Post-medieval	4				1	2	11	2			1		10	29
Undiagnostic	2	1	2	21		1	2	10	2	1		1	16	57
Total	6	1	2	21	1	3	13	12	2	1	1	1	25	89

Thwaite Village (Areas 60, 61)

The majority of the finds from Area 61 came from the topsoil and recent subsoil. These finds were primarily undiagnostic or post-medieval iron fragments and glass sherds. There were five artefacts of post-medieval date: a copper alloy coin or token; two copper alloy buttons or fittings; a fragment of clay pipe stem; and a partial neck fragment of a free blown wine bottle (c. 18th–19th century AD).

Finds from terraced bank **61** consisted of four undiagnostic fragments of iron, while finds from clearance cairn **74** included four fragments of glass, which may be post-medieval.

Tumbled road surface deposit **73** yielded a Romano-British glass bangle fragment of Kilbride-Jones' (1937) Type 3D. It is part of a larger group of sub-types with similar decoration, although Kilbride-Jones remarked that this particular colour combination is seen less often than others. Stevenson, who published updates to Kilbride-Jones' paper (1956; 1976), only added a single example of this type to his catalogue. These three papers had a significant Scottish bias to the material they analysed, while Price's (1988) paper specifically examined the glass bangles from East Yorkshire. Although she did not record any Type 3D bangle fragments, the most commonly found Type was 3A, which are plain (undecorated) opaque white bangles and are therefore similar. As glass bangle fragments are found at both 'native' settlements and 'Roman' forts, it has been suggested that this glass object represents the interactions between these two groups (Price 1988; Stevenson 1976). In general, Romano-British bangles are very much a northern type of object, being found mainly north of the Humber and in southeast Scotland. They can generally be attributed to the late 1st to 2nd centuries AD.

Only one artefact was recovered from Area 60 (context **63**), which was an undiagnostic fragment of iron.

Ivelet to Gunnerside (Areas 1, 46, 47, 47b, 48, 49, 50)

A number of artefacts were recovered from the recent subsoil of Areas 46 and 47b. These primarily consisted of undiagnostic finds, such as fragments of vessel glass and iron. It also included a copper alloy token with 'IL' stamped on one face, a copper alloy buckle with ferrous pin, as well as a long square-sectioned spike or nail. Both the token and buckle are post-medieval in date.

Two artefacts were recovered from the silty sand (**46**) of the westernmost bank in Area 46. One was a rectangular lead seal of unknown purpose with the letter 'H' embossed on the largest surface. The other artefact was a square-sectioned iron nail fragment. Neither date nor function of the artefacts could be ascertained.

Finds from Area 48 came from the topsoil and were limited to two translucent brown glass vessel fragments, which were likely to have derived from the same vessel. They were undiagnostic.

Gunnerside to Low Whita (Areas 21, 22, 38, 40, 42, 59)

Within the demolished field barn (44) in Area 40 were several artefacts that appeared postmedieval. This included a number of glass vessel sherds, iron nails, clay pipe stem fragment, and a pivot stone.

A fragment of a codd bottle was found in the stone coursework of field boundary wall **26** in Area 59. The letters 'HERRY' were visible, so the original contents may have been a cherry flavoured beverage. Codd bottles generally date to the late 19th century AD.

All finds from Area 21 came from the recent subsoil. The artefacts consisted of an undiagnostic large iron nail or spike. There was also a pair of small iron shears and a copper alloy button that was still attached to a fragment of textile. Both of these artefacts were likely to be of post-medieval date.

Low Whita to Reeth (Areas 3, 3a, 3b, 7b, 8, 9, 16, 18, 19, 55a, 56)

The only artefact from Area 56 was an undiagnostic lead spill that was found in a charcoal and slag deposit, which is indicative of industrial activity in the area.

Although no archaeological features were identified, a copper alloy bracelet fragment was recovered from the recent subsoil (50) in Area 16. Based on the construction and design, it is likely post-medieval in date.

The post-medieval deposit (**30**) from Area 3 contained a glass marble and three fragment of clay pipe, all of which were also post-medieval in date. Additionally, there were undiagnostic fragments of vessel glass and window glass. Within stone wall foundation **31** of Area 3a, an undiagnostic fragment of vessel glass was recovered. Finally, there were two iron artefacts from the clearance cairn (**34**) in Area 3b. One was a square-sectioned nail and the other a fragment of iron strip, neither of which was indicative of date or function.

A group of undiagnostic finds were recovered from the topsoil in Area 9. This included many fragments of plaster, a horseshoe fragment, three square-sectioned nails, and an additional possible nail. None of these artefacts were indicative of a particular date or activity.

DISCUSSION AND RECOMMENDATIONS

Artefacts recovered during excavation primarily represented post-medieval period activity, although there was one Roman period artefact.

The Romano-British glass bangle is particularly interesting, as the type is only known in very small numbers. The reason for its presence in Field 61 is however unclear.

The majority of the finds were post-medieval or undiagnostic and do little to inform us of the nature of activity at the sites of excavation. It is recommended that all artefacts be retained and deposited with the site archive.

It is recommended for the glass bangle fragment to be illustrated in the report.

CATALOGUE BY AREA AND CONTEXT

Area 60

Context 63 (dark, clayey deposit)

Long and heavily corroded fragment of iron. Undiagnostic. Dimensions: 61.0mm x 12.5mm x 9.9mm, Weight: 10.9g.

Context 83 (topsoil)

One fragment of sheet iron of irregular shape. One of the edges is bent at a 90-degree angle, but it is unclear what type of object it originally would have formed. Undiagnostic. Dimensions: 67.2mm x 42.2mm x 4.7mm, Weight: 37.4g.

Two refitting fragments of iron bar or sheet. One of the fragments is covered in a thick corrosion layer, which obscures any details. The second fragment has a rivet on one side, which is confirmed in the X-ray. Undiagnostic. Dimensions: 28.4mm wide x 5.0mm thick (corrosion obscures length), Weight: 46.1g (combined).

Flat pale translucent green glass fragment that appears very modern and may be window glass. Post-medieval. Weight: 0.5g.

Two fragments of transparent mid-olive-green glass. Undiagnostic. Weight: 2.1 grams and 0.5g.

Fragment of translucent mid-blue glass possibly part of a small-necked bottle, as one side of the surface is sharply curved. Undiagnostic. Weight: 4.0g.

Context 58 (subsoil)

Slightly distorted copper alloy coin or token. No stamps or embossed designs visible on surface. Undiagnostic. Diameter: 21.8mm, Thickness: 1.2mm, Weight: 3.0g.

One convex copper alloy button or fitting with a broken shank attachment on the back. Post-medieval. Dimensions: 21.3mm x 4.4mm, Weight: 2.0g.

One large flat copper alloy button or fitting with a shank attachment on the back. Post-medieval. Dimensions: 27.2mm x 1.7mm, Weight: 7.1g.

Two fragments of iron horseshoe. The smaller fragment is covered in a thick corrosion layer. Undiagnostic. Dimensions: 82.4mm x 14.4mm x 4.5mm, Weight: 25.5g; 29.3mm x 17.9mm x 3.5mm, Weight: 5.5g.

Fragment of clay pipe stem. Post-medieval. Dimensions: 15.3mm long, 6.1mm diameter, 2.3mm bore diameter, Weight: 0.7g.

Dark green-brown (slight iridescence) glass bottle neck with intact rim. The style of the rim, irregularities in the glass, long elongated bubbles, and striations suggest it is from a blown wine bottle. Post-medieval (probably 18th-19th century AD). Weight: 22.2g.

Semi-opaque milky blue vessel fragment, but when viewed with backlighting it is translucent mid-brown. Undiagnostic. Weight: 1.0g.

One well-worn and smooth translucent green vessel fragment. Undiagnostic. Weight: 0.8g.

Context 61 (Terrace bank)

Long bar fragment with possible perforation as shown by X-ray imagery. Undiagnostic. Dimensions: 47.2mm x 14.3mm x 8.4mm, Weight: 8.6g.

Amorphous heavily corroded fragment. Undiagnostic. Dimensions: 54.3mm x 21.2mm x 21.3mm, Weight: 18.9g.

Amorphous heavily corroded fragment. Undiagnostic. Dimensions: 32.9mm x 25.6mm x 24.3mm, Weight: 12.8g.

Amorphous heavily corroded fragment. Undiagnostic. Dimensions: 29.0mm x 16.8mm x 10.9mm, Weight: 4.2g.

Context 73 (tumbled deposit)

Glass bangle fragment. D-shaped cross-section. Primarily opaque white with opaque yellow decoration. Roman (late 1st to 2nd century AD). Dimensions: 36.1mm long, 15.0mm wide, 9.1mm thick. Weight: 6.7g.

Context 74 (clearance cairn)

Two fragments of are pale translucent green glass that may be window glass. ?Post-medieval. Weight: 0.6g and 0.2g.

A fragment of pale translucent green glass with stretched bubbles in the glass. It is probably older window glass, but may still be modern. ?Post-medieval. Weight: 1.2g.

A curved piece of pale translucent brown sheet glass, probably modern vessel glass. ?Post-medieval. Weight: 0.2g.

Ivelet to Gunnerside (Areas 1, 46, 47, 47b, 48, 49, 50)

Area 46

Context 46 (silty sand in field bank)

One square-sectioned iron nail missing the point end. Lower end of shaft is covered in heavy corrosion. Undiagnostic. Dimensions: 56.0mm x 20.7mm x 9.8mm; Weight: 19.3g.

Rectangular (broken) lead seal with embossed 'X' design on surface. Undiagnostic. Dimensions: 27.6mm x 37.7mm x 10.3mm, Weight: 34.1g.

Area 47b

Context 49 (subsoil)

One copper alloy token with 'IL' stamped on one side. The font style suggests a post-medieval date, although purpose is unknown. Diameter: 27.5mm, Thickness: 1.7mm. Weight: 8.3g.

Copper alloy elongated single loop 'D'-shaped buckle with iron pin. Post-medieval. Dimensions: 41.9mm x 31.0mm x 3.9mm, Weight: 15.4g.

One long square-sectioned iron spike or nail. Undiagnostic. Dimensions: 201.1mm x 11.2mm x 10.6mm (maximum); Weight: 93.0g.

Four possible fragments of horseshoes, or other iron bars with perforations. Undiagnostic. Dimensions: 104.6mm x 16.1mm x 9.9mm, Weight: 33.9g; 49.1mm x 27.6mm x 9.2mm, Weight: 20.2g; 52.2mm x 11.2mm x 5.5mm, Weight: 8.5g; 45.9mm x 10.6mm x 3.0mm, Weight: 4.7g.

One amorphous iron fragment. Undiagnostic. Dimensions: 30.1mm x 20.7mm x 14.3mm, Weight: 6.4g.

One thin colourless glass rim fragment with pairs of circumferential lines lightly etched into the surface. It also has a strong iridescent sheen, although it does not have a weathered crust. Undiagnostic. Weight: 1.2g.

One thick translucent green glass fragment with spherical bubbles and a light amount of surface scratching. Undiagnostic. Weight: 4.8g.

Area 48

Context 80 (topsoil)

Two fragments of thin translucent pale brown flat glass possibly from the same vessel, but the smaller fragment exhibits a higher degree of weathering than the other. Undiagnostic. Weight: 3.3g (combined)

Gunnerside to Low Whita (Areas 21, 22, 38, 40, 42, 59)

Area 21

Context 8 (subsoil)

Fragmented probable small spring shears (iron), but missing blades. There are two closely set lines running along the circumference of the spring ring forming simple decoration. Dimensions and weight reflect two main fragments, as there are three additional heavily corroded fragments imbedded in soil. ?Post-medieval. Dimensions: 73.8mm x 34.9mm x 10.5mm, Weight: 19.0g.

One large iron spike. The surface is heavily corroded, but it appears to be roughly square in cross-section. The tip end is considerably more enlarged than at the head. Undiagnostic. Dimensions: 176.7mm x 15.5mm x 14.3mm (22.1mm x 24.0mm at the widest part of the shaft), Weight: 246.9g.

Plated copper alloy button attached to a textile fragment. The textile is probably wool in a plain tabby weave. Post-medieval. Button Dimensions: 19.7mm x 1.1mm, Weight: 3.4g (combined)

Area 40

Context 44 (demolished field barn)

One large tapering square-section iron bar. Undiagnostic. Dimensions: 208.3mm x 24.7mm x 21.1mm (maximum), Weight: 379.0g.

One possible round-section nail. ?Post-medieval. Dimensions: 31.7mm x 7.5mm, Weight: 2.7g.

Probable nail fragment. ?Post-medieval. Dimensions: 20.6mm x 7.9mm x 7.6mm, Weight: 1.7g.

Probable nail fragment. ?Post-medieval. Dimensions: 17.3mm x 9.3mm x 6.9mm, Weight: 2.2g.

Fragment of clay pipe stem. Post-medieval. Dimensions: 21.1mm long, 4.1mm to 5.3mm diameter (tapers), 1.6mm to 2.2mm bore diameter, Weight: 0.8g.

Pale translucent green glass rim (slightly everted) and neck portion of a bottle of unknown shape. It has mould marks on either side, so was formed in at least a two-piece bottle mould. Post-medieval. Weight: 25.7g.

Translucent colourless bottle rim fragment with a slightly everted rim and a parallel rib around the neck. Undiagnostic. Weight: 6.4g.

Four fragments of pale translucent green glass probably from a vessel. The surfaces of three of the fragments are lightly weathered (dull and surface scratches) and while the edges of the fragments are unweathered. This suggests that they were broken sometime after they were deposited. The fourth piece exhibits no weathering, and may have been from a separate vessel. Post-medieval. Weight: 17.1g.

Fragment of translucent olive-green vessel glass with surface scratches. Post-medieval. Weight: 4.1g.

Large boulder with centrally located pivot depression chipped out. ?Post-medieval. Dimensions: 570mm x 400mm x 190mm, Pivot hole measures 140mm x 120mm; Weight: 3950g.

Area 59

Context 26 (wall foundation)

Neck portion of a pale translucent green codd bottle. Embossed letters ...HERRY are visible, so it may have been a cherry-flavoured drink bottle. Post-medieval (late 19th century AD), Weight: 94.3g.

Low Whita to Reeth (Areas 3, 3a, 3b, 7b, 8, 9, 16, 18, 19, 55a, 56)

Area 3

Context 30 (post-medieval deposit)

Clear glass marble with multi-coloured cat's eye design. There are some chips missing and the entire original surface is covered in heavy weathering and crazing. Post-medieval. Dimensions: 14.6mm diameter, Weight: 3.9g.

Three fragments of clay pipe stem. Post-medieval. Dimensions: 52.5mm length, 7.7mm diameter, 2.0mm bore diameter, Weight: 4.5g; Dimensions: 36.3mm length, 6.3mm diameter, 1.7mm bore diameter, Weight: 2.0g; Dimensions: 21.6mm length, 6.5mm diameter, 1.6mm bore diameter, Weight: 1.2g.

Window glass fragment with a slight green tinge. Undiagnostic. Weight: 2.6g.

Vessel glass fragment with a slight iridescent sheen. Undiagnostic. Weight: 11.4g.

Area 3a

Context 031 (wall foundation)

Fragment of translucent mid-green vessel glass. Undiagnostic. Weight: 24.6g.

Area 3b

Context 034 (clearance cairn)

One square-sectioned iron nail. Undiagnostic. Dimensions: 31.7mm x 10.3mm x 7.2mm, Weight: 2.8g.

One fragment of iron strip of unknown purpose. Undiagnostic. Dimensions: 56.6mm x 19.1mm x 7.7mm, Weight: 25.7g.

Area 9

Context 78 (topsoil)

Sixteen fragments of plaster. Undiagnostic. Weight: 31g.

Fragment of horseshoe. Undiagnostic. Dimensions: 58.9mm x 50.8mm x 5.0mm, Weight: 16.7g.

Three square-sectioned nails. Undiagnostic. Dimensions: 124.5mm x 14.0mm x 7.1mm, Weight: 35.2g; 61.4mm x 8.3mm x 5.6mm, Weight: 6.4g; 44.1mm x 7.5mm x 6.3mm (distorted), Weight: 3.2g.

Possible nail fragment. Undiagnostic. Dimensions: 57.6mm x 8.4mm x. 8.2mm (distorted and missing head), Weight: 13.2g.

Area 16

Context 50 (subsoil)

Decorated copper alloy fitting or bracelet component consisting of a long oval piece of sheet metal with attachment loops on either end. The design consists of a reverse ovolo border around the edge and three flowers in the centre. Post-medieval. Dimensions: 56.6mm x 16.5mm x 0.9mm, Weight: 5.0g.

Area 56

Context 20 (charcoal and slag deposit)

Amorphous lead spill. Undiagnostic. Dimensions: 70.8mm x 41.9mm x 8.7mm, Weight: 85.1g.

REFERENCES

- Kilbride-Jones, H. E. (1937) Glass Armlets in Britain. *Proceedings of the Society of Antiquaries* of Scotland 72, 366–95.
- Price, J. (1988) 'Romano-British Glass Bangles from East Yorkshire', in Price, J., Wilson, P.R., Briggs, C. S., and S. J. Hardman (eds) Recent Research in Roman Yorkshire. Studies in Honour of Mary Kitson Clark (Mrs Derwas Chitty), BAR British Series 193. Oxford: British Archaeological Reports, 339–66.
- Stevenson, R. B. K. (1956) Native Bangles and Roman Glass. *Proceedings of the Society of Antiquaries of Scotland* 88, 208–21.
- Stevenson, R. B. K. (1976) Romano-British Glass Bangles. *Glasgow Archaeological Journal* 4, 45–54.

APPENDIX E

ARCHAEOMETALLURGICAL ASSESSMENT

R. Mackenzie

INTRODUCTION

The following report is an archaeometallurgical assessment of possible metallurgical and/or high temperature production residues recovered during archaeological fieldwork relating to water main renewal between Angram and Thwaite, and West Calvert Houses and Reeth in the Yorkshire Dales.

METHODOLOGY

The aim of this assessment has been to provisionally identify the slag-like residues, and determine whether further analysis could provide additional information about the sites where they were found. In some cases, scientific analysis can help to determine the process origin of slags, although this is normally only justified where there is good supporting archaeological evidence.

All of the fragments in the assemblage have been visually examined and the assemblage has been quantified by count and weight. A summary of the findings of the assessment are given in Table E1.

Area	Context/ Feature No	Pieces	Weight (g)	Description	Interpretation
A46	46	41	2400	Tap slag with ropey texture and white/light grey oxidised surface. Some fragments have traces of charcoal and	Slag by- product from
A46	46	38	4140	possibly burnt peat. At least two fragments have traces of unreduced ore (galena).	lead smelting bale.
A21	8	1	32	Undiagnostic slag	Possibly metallurgical, but undiagnostic of specific production source.
A56	20	2	240	Dense glassy tap slag, black to dark green in colour.	Slag by-
A56	22	2	175	Dense glassy tap slag, black to dark green in colour.	product from lead smelting blackwork oven.
A56	22	2	368	Fragments of sandstone with yellowy green vitrified surface	Possibly refractory hearth lining material from blackwork oven.

Table E1: Results of assessment

DISCUSSION AND INTERPRETATION OF RESULTS

The assemblage consisted almost entirely of fragments of lead smelting slag. To allow the reader to put the results of the assessment into context, a brief explanation of relevant historic lead smelting methods is given below.

The low melting point of lead means that it can be extracted from the ore by heating it in bonfires. Up until around the 16th century (and in some places well into the 18th century), lead was produced in rudimentary open hearths known in Yorkshire as bales (Powell 2009, 83). Bales relied on wind to provide a draft for the fire, so were typically situated in exposed positions. In general, bales consisted of an open shallow round hearth of between about 1 to 2 square metres in area (Craddock 1995, 208), surrounded by a low stone wall. In the Yorkshire Dales area, wood, charcoal and peat has been used as fuel in bales. The temperatures reached in wood-fired bales are thought to have been in the region of 600-8000°C. Although this temperature range was high enough to extract some lead from the ore, a significant proportion was lost into the slag waste that was also produced during smelting.

The inefficient nature of bale smelting drove smelters to look at new more productive ways to smelt ore, and in the 16th, 17th and 18th centuries various forced draught smelting hearths/furnaces were developed. One of the earlier developments used bellows to provide a forced draught into small charcoal fired open hearths, and this type of hearth became known as 'Blackwork Ovens'. The combination of charcoal and forced draught meant that blackwork ovens could reach temperatures of 1000-1200°C; this temperature range was high enough to remelt the slag from bale hearths, and it was possible for smelters to recover lead from previously discarded bale slag. Hamilton *et al.* (1999, 158) mention how blackwork ovens were often situated adjacent to bales, to take advantage of the ready supply of raw material; the authors also mention how the similarities in the structures of bales and blackwork ovens, and their typically close proximity, make it difficult to differentiate between the two without reference to slag residues.

The fragments of slag from Area 46 were all very similar in general appearance, with a small number having traces of charcoal and possibly peat that would have been used as fuel to smelt the lead ore; some fragments of slag also displayed traces of galena, that appeared to be fragments of unreduced ore. The weight of the fragments, their white-pale grey oxidised surface and presence of unreduced ore suggests that the slag probably originated from a bale smelting hearth.

The four fragments of slag from Area 56 were black-dark green in colour and had a dense glassy texture with a few fine vesicles; all of the fragments had some oxidised areas on their surfaces. The morphology of the slag was characteristic of the type produced by blackwork ovens (Hamilton *et al.* 1999, 158). In addition to the slag, there were two fragments of vitrified sandstone; the nature of the vitrification and presence of smelting slag suggests that this had been part of the refractory lining of a metallurgical hearth. The fragments of stone and slag were recovered from deposits **20** and **22**, close to what has been interpreted as a possible lead bale mound. The presence of blackwork oven slag raises the possibility that what has been interpreted as a bale may have been a blackwork oven.

RECOMMENDATIONS

No further analysis of the assemblage is recommended at this stage. To allow for potential metallurgical analysis in the future, it is recommended that all of the slag and fragments of stone from Area 56 and a representative sample of around 20% of the smelting slag from Area 46 are retained as part of the site archive.

REFERENCES

- Craddock, P. T. (1995) *Early metal mining and production*. Edinburgh: Edinburgh University Press.
- Hamilton, K. McDonnell, J. G. and Schmidt, A. (1999) *Assessment of early lead working sites in the Yorkshire Dales by geophysical prospection*. British Mining: Memoirs of the Northern Mine Research Society 63. Sheffield: The Northern Mine Research Society.
- Powell A. J. (2009) The magnetic signatures of medieval and post-medieval pyrotechnical industries. Unpublished PhD thesis, University of Bradford (2008). York: Archaeology Data Service (doi:10.5284/1000065)

APPENDIX F

PALAEOENVIRONMENTAL ASSESSMENT

Lynne F Gardiner

SUMMARY

Six bulk environmental samples, totalling 38kg/30l, were submitted for assessment along with animal bone, weighing 303.78g. Only one sample (46 AA) from Area 46 yielded charred plant material—barley (*Hordeum* sp. n=2) and wheat (*Triticum* sp. n=3). Charcoal was observed in 46 AA, 63 AA and 72 AA, with willow/poplar (*Salix/Populus*) and hazel (*Corylus avellana*) present. The hand-collected charcoal from charcoal and slag deposits **20** and **21** from Area 56 provided the greatest weight and contained hazel and oak (*Quercus* sp.).

The animal bone was generally poorly preserved. Most fragments belonged to either mediumsized mammals—sheep/goat (*Ovis/capra*) and large-sized mammals—cattle (*Bos* sp.) and pig (*Sus* sp.). The most complete element was a dog (*Canis* sp.) skull from buried topsoil (77) in Area 60. The identifiable (to species) fragments were from juveniles—pig radius fragment (78) and a cattle femur fragment (42). All the other bone fragments were calcined.

The palaeoenvironmental assemblage was limited in scope for discourse. The exception being the hand-collected charcoal from the charcoal and slag deposits (**20** and **21**) in Area 56, whereby it was ascertained that the charcoal was most likely to have derived as fuel for lead working.

The paucity of well-preserved animal bone and of any decent charred plant remains and large fragments of charcoal mean that the only suitable radiocarbon AMS candidates originated from the charcoal and slag deposits in Area 56. To this end a few pieces of slag were broken, and yielded a suitable hazel fragment.

Once successful radiocarbon assays have been returned, the palaeoenvironmental assemblage may be discarded along with any remaining sample arisings.

INTRODUCTION

Six bulk environmental samples (totalling 38kg/30l) were taken during the course of a series of archaeological works along West Stonesdale Pipeline (between Angram and Thwaite, and West Calvert Houses and Reeth). These, along with hand-collected charcoal, were submitted for assessment. This report presents the results of the assessment of the palaeobotanical and charcoal remains in accordance with Campbell *et al.* (2011) and English Heritage (2008; 2014).

METHODOLOGY

The bulk environmental samples were processed at NAA. The colour, lithology, weight and volume of each sample was recorded using standard NAA pro forma recording sheets (cf. Table F1). The samples were processed with 500 micron retention and flotation meshes using the Siraf method of flotation (Williams 1973). Once dried, the residues from the retention mesh were sieved to 4mm and the artefacts and ecofacts removed from the larger fraction and

forwarded to the relevant specialists. The smaller fraction was not examined and has been retained.

The flot, plant macrofossils and charcoal were scanned and identified to species where possible using a stereo microscope (up to x45 magnification). Any non-palaeobotanical finds were noted on the pro forma. The results from this and identifications can be observed in Table F2.

The plant remains and charcoal were identified to species as far as possible, using Cappers *et al.* (2006), Cappers and Bekker (2013), Cappers and Neef (2012), Hather (2000), Jacomet (2006) and Schoch *et al.* (2004) and the NAA reference collection. Nomenclature for plant taxa followed Stace (2010) and cereals followed Cappers and Neef (2012). Animal bone was identified using Hillson (2003) and Schmid (1972). Nomenclature followed the International Commission on Zoological Nomenclature (ICZN) at ZooBank.org.

RESULTS

Ivelet to Gunnerside (Area 46)

The sample from the sandy deposit under stone cairn **47** (51 AA) did not yield any plant remains whilst the other sample from this area, 46 AA (silty sand in field boundary), contained poorly preserved charred barley (*Hordeum* sp. n=2) and wheat (*Triticum* sp. n=3) along with 1.06g of willow/poplar (*Salix/Populus*) wood charcoal.

Low Whita to Reeth (Area 56)

There were no samples from this area; only hand-collected charcoal. The 40.3g submitted for examination contained oak (*Quercus* sp.) and hazel (*Corylus avellana*) and originated from a charcoal and slag deposit (**20**). A sample of the lead slag from this deposit was broken in order that charcoal could be extrapolated for radiocarbon dating. Most of the charcoal recovered was small and friable with the only suitable fragment being hazel.

Thwaite Village (Areas 60, 61)

A single sample (63 AA) from a dark clayey deposit in Area 60 yielded 5g of hazel and willow/poplar. With three samples (70 AA - fill of gully **69**; 72 AA - fill of gully **71**; and 75 AA - deposit under stone structure) from Area 61. Only one sample (72 AA) yielded any charcoal: 3.01g of hazel.

Animal bone (Areas 3, 7b, 8, 21, 42, 46, 47, 47b, 60, 61)- Table 3F.

Where medium-sized mammal is stated this would imply that the bone element originated from a mammal of the size of sheep/ goat (*Ovis/Capra*), or large dog (*Canis* sp.). A large-sized mammal bone would be the equivalent to that of cattle (*Bos* sp.) or horse (*Equus* sp.). None of the bone showed any butchery marks, cut marks or evidence of gnawing.

The overall bone preservation was poor with only the bone from the topsoil (**78**) in Areas 7b, 8 and from the buried topsoil (**77**) in Area 60.

The total weight of animal bone was 303.78g. The majority were broken and fragmented, in antiquity and/or more recent fractures. Only the dog skull from buried topsoil (77) in Area 60

was complete. Some of the bone was calcined: medium-sized mammal long bone fragment from a post-medieval deposit (**30**) from Area 3, long bone fragments from a large-sized mammal from the field bank (**13**) in Area 21, two fragments of long bone from a medium-sized mammal from recent subsoil (**49**) in Areas 46, 47 and 47b, and a scapula fragment from a medium-sized mammal in the recent subsoil (**58**) from Areas 60 and 61.

A distal-end fragment of a radius from a cf. pig juvenile was observed from the topsoil (**78**) in Areas 7b and 8. A further juvenile bone, a cattle femur (distal-end fragment), was observed from wall foundation **42** in Area 42.

DISCUSSION

None of the charred plant assemblage offered enough material for a discussion.

The oak charcoal from the charcoal and slag deposit (**20** and **21**) from Area 56 was most likely to have been fuel remnants from the industrial processes. Comparisons for oak and lead working can be seen at Howden Clough, South Yorkshire, where oak was the most visible tree species observed in the charcoal (Huntley 2010, 35).

The dog skull from buried topsoil **77** in Area 60 was most likely to have been a 'pet' burial from an inhabitant of nearby Thwaite. The other bone fragments, when their stratigraphical origins were taken into consideration, made any interpretation difficult.

STATEMENT OF POTENTIAL AND RECOMMENDATIONS

Radiocarbon dating could be undertaken on the wood charcoal from the charcoal and slag deposits from Area 56. However, if oak was selected, then a caveat should be inserted with regard to the outcome of any dates returned, i.e. the 'old-wood effect' and the longevity of the oak skewing possible dates. To that end, the small hazel fragment from the lead slag would be a better sample for submission.

All the flots, charred plant remains, charcoal and animal bone may be discarded but only when any material submitted for radiocarbon dates have been successful.

ACKNOWLEDGEMENTS

The sample processing and sorting was undertaken by Freddie Sisson.

REFERENCES

- Campbell, G., Moffett, L. and Straker, V. (2011) *Environmental Archaeology. A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation (second edition).* Portsmouth: English Heritage.
- Cappers R. T. J., Bekker R. M. and Jans J. E. A. (2006) *Digitale Zadenatlas Van Nederland: Digital Seed Atlas of the Netherlands*. Groningen: Barkhuis Publishing.

- Cappers R. T. J. and Bekker R. M. (2013) A Manual for the Identification of Plant Seeds and *Fruits*. Groningen: Barkhuis Publishing.
- Cappers R. T. J. and Neef R. (2012) Handbook of Plant Palaeoecology. Groningen: Barkhuis Publishing.
- English Heritage (2008) *MoRPHE Project Planning Note 3 Archaeological Excavations*. London: English Heritage.
- English Heritage (2014) Animal Bones and Archaeology: Guidelines for Best Practice. London: English Heritage.
- Hather J. G. (2000) The Identification of the Northern European Woods: A Guide for Archaeologists and Conservators. Archetype: London.
- Hillson S. (2003) Mammal Bones and Teeth. London: UCL.
- Huntley J. (2010) Northern England: A Review of Wood and Charcoal Recovered from Archaeological Excavations in Northern England. Research Department Report Series 68-2010. Newcastle: English Heritage.
- Jacomet S. (2006) Identification of cereal remains from archaeological sites (Second edition). Archaeobotany Lab, IPAS, Basel University.
- Schmid E. (1972) Atlas of Animal Bones. London: Elsevier.
- Stace C. (2010) New Flora of the British Isles (Third edition). Cambridge: Cambridge University Press.
- Schoch W., Heller I., Schweingruber F. H. and Kienast F. (2004) *Wood anatomy of central European Species* [Online] Available at: www.woodanatomy.ch (accessed on 17/02/16)
- Williams D (1973) .Flotation at Siraf. Antiquity 47: 198-202
- International Commission on Zoological Nomenclature [Online] Available at: ZooBank.org (accessed on 24/2/16)

Table F1: Sample data

С	SC	A	СР	ТР	МР	PW	PV	CS	TS	Components (sorting)	A	SA	SR	R	SW	SV	>SW	>SV
46	AA	46	Mid- brown	Loose	Silty sand	3	2	Pale grey	Loose	Stone>1cm 30%: stone<1cm 20%: sand 50%	-	yes	-	-	816	400	311	100
51	AA	46	Dark brown	Friable	Sandy silt	4	2	Greyish brown	Loose	Stone>1cm 10%: stone<1cm 30%: sand 60%	-	-	-	yes	699	400	170	100
63	AA	60	Black	Loose	Silty sand	10	9	Dark brownish black	Loose	Stone>1cm 50%: stone<1cm 20%: sand 30%	-	-	-	yes	4609	2500	3664	1400
70	AA	61	Dark brown	Loose	Sandy silt	7	6	Pale greyish brown	Loose	Stone>1cm 50%: stone<1cm 40%: sand 10%	-	-	-	yes	3650	1900	2862	1400
72	AA	61	Mid- yellowish brown	Loose	Sandy silt	9	6	Mid- greyish brown	Loose	Stone>1cm 40%: stone<1cm 50%: sand 10%	-	-	-	yes	5600	3300	4135	2200
75	AA	61	Dark yellowish brown	Soft	Silty sand	5	5	Dark yellowish brown	Loose	Stone>1cm 35%: stone<1cm 55%: sand 10%	-	-	-	yes	1594	1000	298	500

Key: **C**= context, **SC**= sample code, **A**= Area, **CP**= colour of pre-processed sediment, **TP**= texture of pre-processed sediment, **MP**= matrix of preprocessed sediment, **PW**= weight (kg) of pre-processed sediment, **PV**= volume (l) of pre-processed sediment, **CS**= colour of pre-processed sediment, **TS**= texture of pre-processed sediment, shape of stone majority in sediment (**A**=angular, **SA**= sub-angular, **SR**= sub-rounded, **R**= rounded), **SW**= weight (g) of dried residues, **SV**= volume (ml) of dried residues, >**SW**= weight (g) of >4mm residues, >**SV**= volume (ml) of >4mm residues

С	SC	Area	Context description	R?	Wt flot (g)	CPR	AMS?	Charcoal id	Components	EWC
46	AA	46	Silty sand in field bank	yes	1.3	Hordeum sp. (2) Triticum sp. (3)	-	Salix/ populus (1.06g)	Sand 50%: very fine rootlets 50%	3
51	AA	46	Sandy deposit under stone cairn 47	yes	0.3	-	-	-	Very fine rootlets 100%	-
20	-	56	Charcoal and slag deposit				Yes*	<i>Quercus</i> sp., <i>Corylus avellana</i> (40.3g)		
21	-	56	Charcoal and slag deposit				Yes*	<i>Quercus</i> sp. (29.1g)		
63	AA	60	Dark clayey deposit	yes	5.9	-	-	Corylus avellana, Salix/populus(5g)	Sand 45%: comminuted charcoal 5%: very fine rootlets 50%	3
70	AA	61	Fill of gully 69	yes	0.6	-	-	-	Very fine rootlets 100%	-
72	AA	61	Fill of gully 71	yes	2.1	-	-	Corylus avellana (3.01g)	Sand 50%: very fine rootlets 50%	1
75	AA	61	Deposit under stone structure 68	yes	1.9	-	-	-	Very fine rootlets 100%	-

Table F2: Flot, palaeobotanical and charcoal data

Key: **C**= context, **SC**= sample code, **R**?= any remaining residues?, **CPR**= charred plant remains, **AMS**?= any material suitable for AMS dating?, **EWC**= earthworm capsule, * indicates that the caveat mentioned in the text about oak and radiocarbon dating should be considered

Table	F3:	Animal	bone
-------	-----	--------	------

Context	Area	Context description	Preservation	Colour	Weight (g)	Species	Element	Description	Comments
30	3	Post-medieval deposit	Poor	White	0.64	Medium mammal	Long bone	Fragment	Calcined
78	7b, 8	Topsoil	Good	Dark yellowish brown	14.95	cf. Pig (<i>Sus</i> sp.)	Radius	Distal end fragment	Un-fused, juvenile
13	21	Field bank	Poor	Pale yellowish white	72.19	Large mammal	Long bone	Fragments	Calcined, many fragments
42	42	Wall foundation	Poor	Dark yellowish brown	33.07	Cattle (<i>Bos</i> sp.)	Femur	Distal end fragment	Mid-shaft, recent break, un-fused, juvenile
49	46,47, 47b	Subsoil	Poor	White	1.17	Medium mammal	Long bone	Fragment	2 fragments, calcined
58	60,61	Subsoil	Poor	White	0.16	Medium mammal	Scapula	Fragment	Calcined
77	60	Buried topsoil	Good	Dark yellowish brown	181.6	Dog (Canis sp.)	Skull	Complete	Large, mature

APPENDIX G

RADIOCARBON DATING

Therese Falk

INTRODUCTION

This report presents the results of radiocarbon dating carried out on charcoal recovered from two deposits excavated during the archaeological works conducted in association with the West Stonesdale pipeline renewal.

The importance of radiocarbon dating is clearly stated in current regional, national and thematic research framework documents (for example Petts and Gerrard 2006; Brennand 2007; Roskams and Whyman 2007).

With regard to the nature of the project and the paucity of secure archaeological deposits, the need for radiocarbon dating was limited to the metalworking waste from Areas 46 and 56. The lead slag recovered from Area 46 had been used, along with a silty sand deposit, to construct a field bank, and no evidence of smelting was noted in the vicinity. The metalworking waste collected from Area 56 was found in association with charcoal-rich deposits and was unlikely to have travelled far from where the smelting took place. Therefore, two samples were submitted to the Scottish Universities Environmental Research Centre AMS Facility (SUERC) for radiocarbon dating.

METHODOLOGY

All of the material dated was from relatively short-lived items and hazel charcoal was favoured over longer-lived species; timbered or heartwood fragments were avoided. In this way potentially artificial old dates created by the 'old wood effect' (Waterbolk 1971; Gillespie 1984; Aitken 1990) were minimised.

However, the pool of suitable material presented problems; deposit **46** in Area 46 did not include any large accumulations of charred material. Conversely, deposit **20** in Area 56 contained a large amount of charred material, but was located in an area of heavy bioturbation. Both issues increased the chance that any material chosen for dating was intrusive from later activity or residual from earlier. In order to maximise the chance for an accurate dating result, one piece of metalworking waste from Area 56 was broken up and charcoal extracted from within the fragment.

The measured 14C ages presented in Table G1 below are quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error. The calibrated age ranges were determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal version 4.3).

RESULTS

The charred hazel (*Corylus avellana*) fragment extracted from within the lead slag in deposit **20** returned a date range of cal AD1027-1166 at 95.4% probability. This result provides evidence for lead smelting around the time of the Norman Conquest, and adds an early example of a

lead bale site to the corpus of historic lead-working sites in the Yorkshire Dales. The willow/poplar (*Salix/Populus*) charcoal fragment recovered from deposit **46** (sample 46AA) failed testing due to insufficient carbon.

Context	Interpretative description	Lab code	Material	δ ¹³ C relative to VPDB (‰)	Radiocarbon age BP	Cal. Date range at 95.4% (cal. AD)
20	Slag deposit	SUERC-	Hazel	-27.4‰	925±28	1027-1166
		66738	charcoal			
46	Sandy deposit	-	Willow/poplar	-	-	-
	in field bank		charcoal			

REFERENCES

Aitken, M. J. (1990) Science-Based Dating in Archaeology. London: Routledge.

- Brennand, M. (ed.) (2007) The Archaeology of North West England: Research and Archaeology in North West England: An Archaeological Research Framework for North West England Volume 2: Research Agenda and Strategy. Archaeology North West Volume 9 Issue 17. Manchester: Council for British Archaeology North West.
- Gillespie, R (1984) *Radiocarbon User's Handbook*. Oxford University: Committee for Archaeology.
- Petts, D. and Gerrard, C. (2006) *Shared Visions: The North-East Regional Research Framework for the Historic Environment*. Durham: Durham County Council.
- Roskams, S. and Whyman, M. (2007) *Yorkshire Archaeological Research Framework: research agenda*. University of York: Department of Archaeology.
- Waterbolk, H. T. (1971) Working with Radiocarbon dates. *Proceedings of the Prehistoric Society* 37 (2), 15–33.

APPENDIX H

DRYSTONE WALL SURVEY

Therese Falk

A Level B 'Wall Style and Features Survey' was carried out for 69 drystone walls disturbed by the groundworks. This survey was undertaken in accordance with the guidelines provided by the Dry Stone Walling Association of Great Britain (DSWA 1997).

The following section presents the results of the survey, and contains:

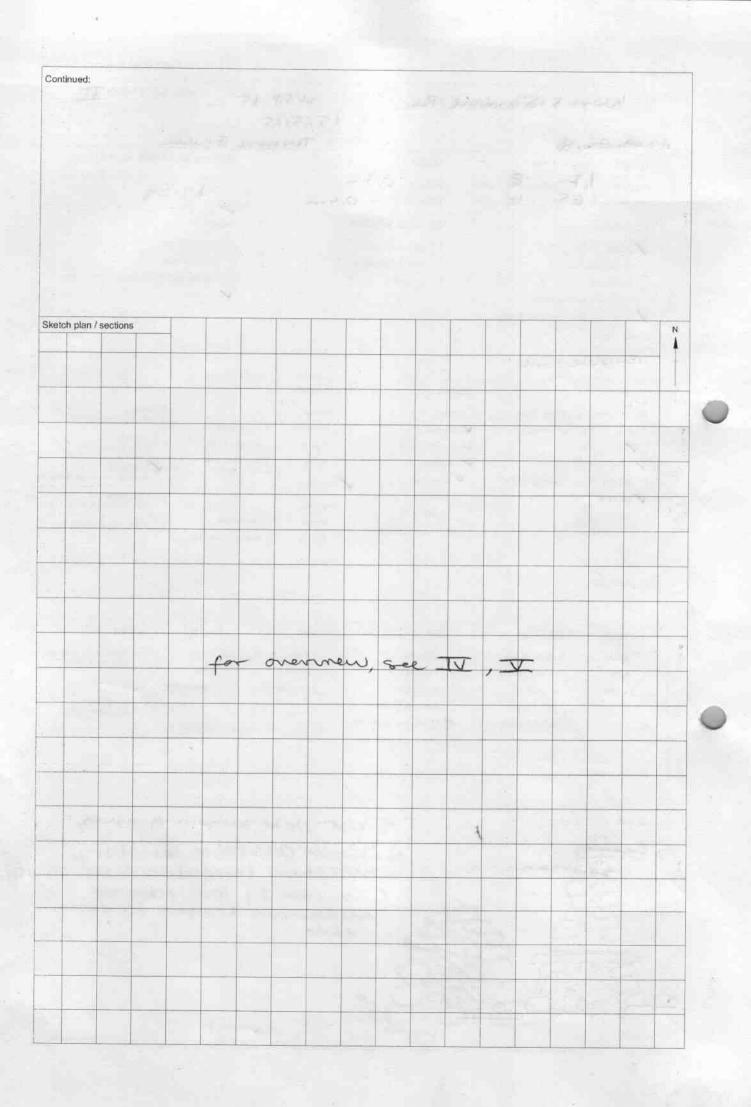
- scans of the pro forma recording sheets used during the groundworks;
- maps detailing the location of each wall, with reference to areas mentioned in the main text; and
- photographs showing the profiles of the bisected walls.

atio	IAME: Wer			Date: 14/5/15		
auu		10		Surveyed by: There	OF FALLS	
-	Anea		Width	- · · · · · · · · · · · · · · · · · · ·		of wall (eg. NNE - SSW)
	Height (eg. 1.5m			12m		
	High Side:	m on NE si AS on SW si	de At base: () de below top sto	ones: 0, lem	NW	-SE
T	Construction		Stone face	ed bank	Situation	
	V double		with wall	above	on earth b	ank
	single above	double	with hedg	ge above	by earth b	
	vertical slab		by itself		next to dit	ch
	retaining (giv other (Give de rubble Infill, ser Details / notes:	italis below e.g. onhostatic,	~	~	I by itself	
+	Chile	-	Stones	Top Stones		Stone Type
	Style					slatev
	No. of through-t	continuous	irregular		Angled uphIII	(laminar, hard, smooth)
	1 3		almost square		Angled downhill other / combination	(round, hard, smooth)
	coverband	eed thoroughly	Laminar		give details below)	limestone (laminar/round, lumpy, hard/
	coursed	sed thoroughly	Venical	M Boulders		sandstone
						(fine compressed grains)
3	√ random		Angled	Dressed	Sami circular	
	Details / notes:		Angled	below)	Semi circular other (give setalli below)	(inite compressed grand)
well)		Wall Head within wall length at wall junction at gate/stile with stoup without stoup		below) Square Triangle Mortar Gate Farm vehic Horse ze Person wall	other (give serials below) Bridge	Other (give details below) Other (give details below)
· · · · · · · · · · · · · · · · · · ·	Details / notes: Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile squeeze steps to top step/squeez wood over v	below) Square Triangle Mortar Gate Farm vehic Horse ze Person wall stone stile	other (give semilis below) Bridge le Arch Slab	Other Other (give details below) Other (give details below) ne Inscription
	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Stile Stips to top Steps to top wood over v wood over s	below) Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Squar	Bridge Bridge Arch Slab Not sto	Other Other Other (give details below)
	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	other (give details i other (give details i stile squeeze steps to top step/squeez wood over v wood over s other (give details i	below) Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Squar	Bridge Bridge Arch Slab Not sto	Other Other Other (give details below)
	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	other (give details i other (give details i stile squeeze steps to top step/squeez wood over v wood over s other (give details i	below) Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Square Squar	Bridge Bridge Arch Slab Not sto	Other Other Other (give details below)
	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	other (give details i other (give details i stile squeeze steps to top step/squeez wood over v wood over s other (give details i	below) Square Square Square Triangle Mortar Gate Farm vehic Horse Person vall stone stile etails below) Freud K. Nat Sounde freud	Bridge Bridge le Arch Slab Not sto vall u furval u furval u vs, mer acara	Other Other Niche, bee-bole e (give details below) ne Inscription (give details below) ne or or or e or or or e or or or e or or or or e or or or or or e or or o
	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	other (give details i other (give details i stile squeeze steps to top step/squeez wood over v wood over s other (give details i	below) Square Square Square Triangle Mortar Gate Farm vehic Horse Person vall stone stile etails below) Freud K. Nat Sounde freud	Bridge Bridge le Arch Slab Not sto vall u furval u furval u vs, mer acara	Other Other Niche, bee-bole e (give details below) ne Inscription (give details below) ne or or or e or or or e or or or e or or or or e or or or or or e or or o
	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Stile Steps to top Step/squeeze wood over s other (give details i	below) Square Square Square Triangle Mortar Gate Farm vehic Horse Person vall stone stile etails below) Freud K. Nat Sounde freud	Bridge Bridge le Arch Slab Not sto vall u furval u furval u vs, mer acara	Other Other (give details below) Other (give details below) ne Inscription

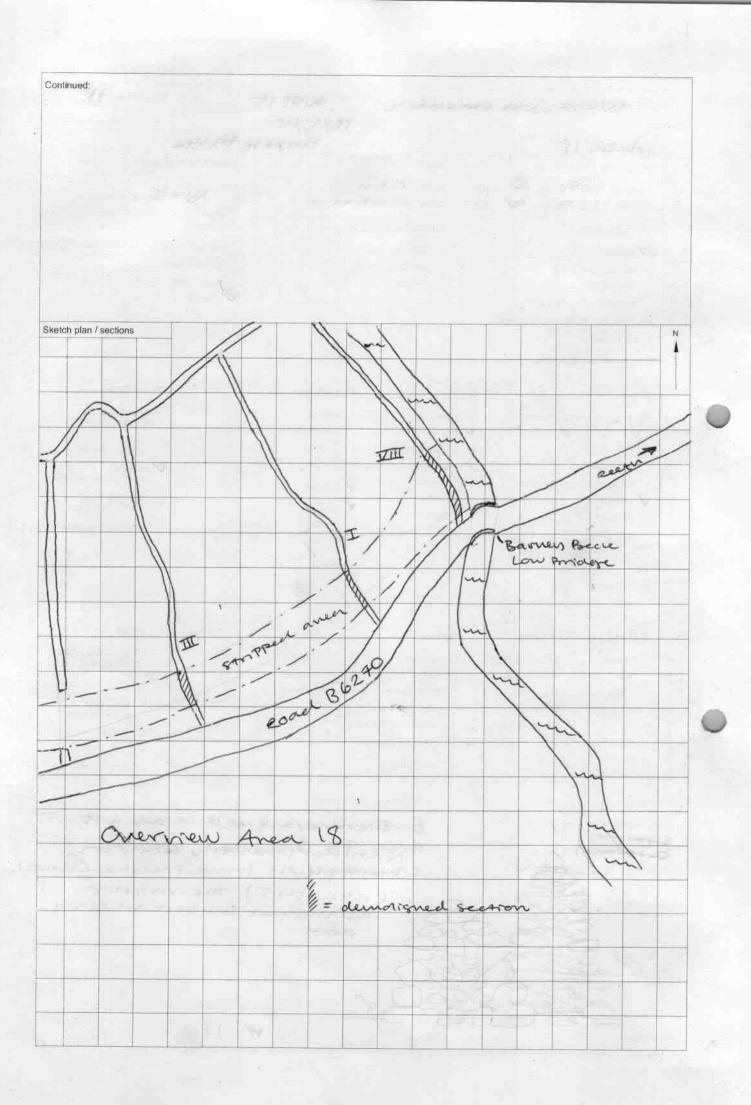
Continued:																	
															.e	1	
					100	1 201											
																	1
ketch plan /	sections					1		N.	1	rit:	-	1	1	1	-	1	N
					L							1.1			-		1
											E.	1					
							-						1.0				
					1.5												
			-		-	-											1
					· · · ·											1	
		~	-				1	-		-			-	-	-	-	
					1			10		-			and a	÷			
-			5 11 1				1.1					1					
					100		-					1		1.		1	1
					1			1									
		_										_	1.5	-			
				-				1		1		-					
-														-	-		
			0	and	0	her		ern	J, 4	00	T	T					÷ .
			T	ev.		1.000	01		1	~~~						196	
								1									
				_								÷					
										See.			l - i			5	
			_				-								-		
						_											
		1															
												1					2 - 1
Sec.	mark				-	1	2.00	T.							10.10		
1205	-	-			1	-		-									
4			i.	-974				0			h I.,	(See	وقيكره	A .	32		
					274	31.30			6			an'n	170	2.34			-
2000				-0.1		15 No		1	24	1						1	
			220	8.	200	1.1	12	C	12	5		1.			1		
		1-62			1.24					3			_				
1						(* 154)	-	~	D.C.								
					_			-		69							
_							4.5					58.	24				
				-p	1				1 - 2 - 2	-							

Field Wall Recording Sheet

TE	NAME: IN LOO	A Stonesd	ale PL	SITE CODE: WSP	15	ALL SECTION NO. TT
cati				Date: 15/5/19		
	nea 7B	0		Surveyed by: They		le
T	Height (eg. 1.5		Width	1		on of wall (eg. NNE - SSW)
	High Side:	L on E slop	de Atbase: C	0,7- ones: 0,4-	N-	
T	Construction		Stone face	ed bank	Situation	
~ ~	double single above vertical slab	e double ve details below) ietails below e.g. orthostatic,	 with wall with hede by itself 	above ge above	on earth by earth next to V by itself	i bank ditch
	-	re come		Tee Classes		Stone Type
-	Style		Stones	Top Stones		
		bands per metre	round	Laminar	Anniadumil	(laminar, hard, smooth)
			V irregular	Vertical	Angled uphill Angled downhill	granity
	Coverband		Laminar	Angled	other / combination	(round, hard, smooth)
	and a second second second second	ssed thoroughly	Horizontal	Boulders	(give details below)	limestone (laminar/round, lumpy, hard
	Coursed		Vertical			sandstone
				Dressed		(fine compressed grains)
ì	random		Angled	Souare	Semi circular	The stress of the second stress
5	Details / notes:		Angled other (give details)	below) Square below) Square below) Mortar	Semi circular Other (give details below)	other (give details below)
		Wall Head within wall length at wall junction at gate/stile with stoup without stoup		below) Triangle Mortar Mortar Farm vel Horse ze Person wall stone stile	other (give decails below) Bridge	Other
Lediutes (when mooting lengins of will)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	other (give details i other (give details i Stile squeeze steps to top step/squeez wood over v wood over v other (give details i	below) Triangle Mortar Gate Farm vel Horse Ze Person wall stone stile tetails below)	Other (give details below) Bridge nicle Arch Slab Not s	Other
FG3tUIES (when monthing lengths of will)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	other (give details i other (give details i Stile squeeze steps to top step/squeez wood over v wood over v other (give details i	below) Triangle Mortar Gate Farm vel Horse Ze Person wall stone stile tetails below)	Other (give details below) Bridge nicle Arch Slab Not s	Other
FG3tUIES (when monthing lengths of will)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	other (give details i other (give details i Stile squeeze steps to top step/squeez wood over v wood over v other (give details i	below) Triangle Mortar Gate Farm vel Horse Ze Person wall stone stile tetails below)	Other (give details below) Bridge nicle Arch Slab Not s	Other Other Other Other Inscription

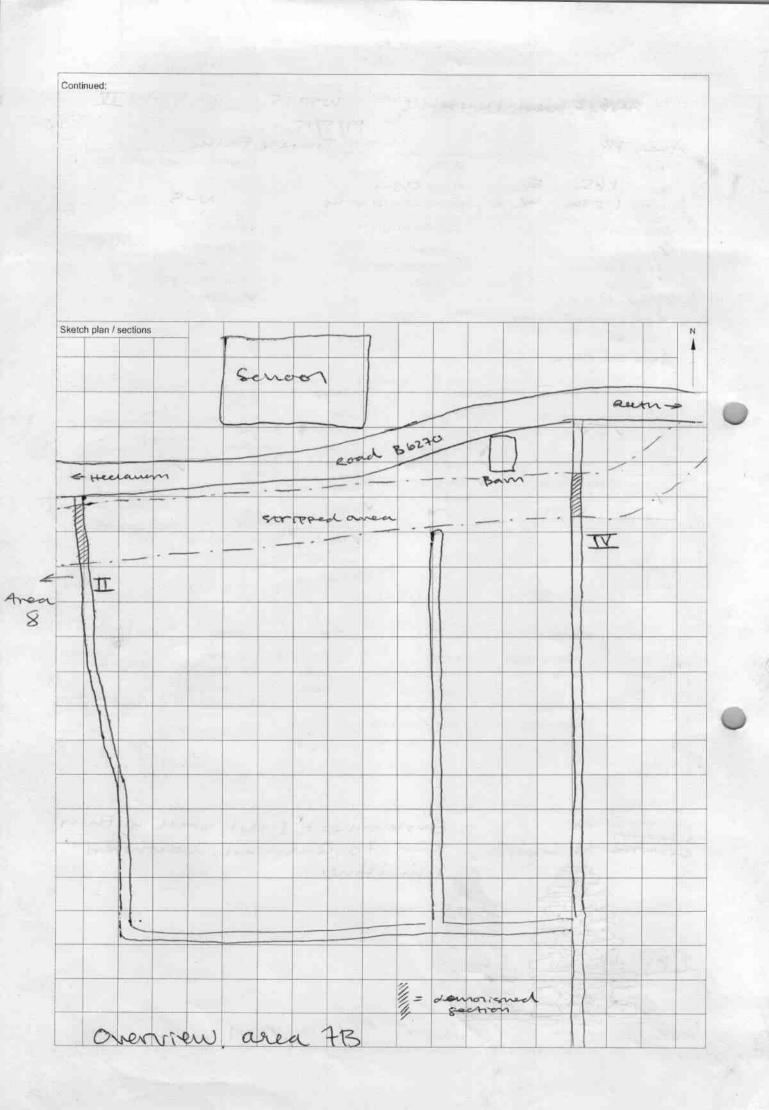


Field Wall Recording Sheet NAA 32a WALL SECTION NO. TTT SITE CODE: WSP15 SITE NAME: Werz Stonesdall Date: 18/5/15 Location: Surveyed by menese Falle Anea 18 Orientation of wall (eg. NNE - SSW) Height (eg. 1.5m on ESE side) Width High Side: 1.3 m on E side Size At base: N-S Low side: 1,2m on W side below top stones: Situation Stone faced bank Construction on earth bank double with wall above by earth bank with hedge above single above double next to ditch vertical slab by itself Style V by itself retaining (give details below) other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Stone Type **Top Stones** Stones Style (laminar, hard, smooth) Laminar round No. of through-bands per metre Horizontal Angled uphill V irregular 0 2 continuous granity (round, hard, smooth) Angled downhill Vertical 1 3 almost square other / combination Angled Laminar coverband V limestone (laminar/round, lumpy, hard/soft) stones dressed thoroughly Horizontal Boulders sandstone Detail Vertical V coursed (fine compressed grains) Dressed Angled random Square Semi circular other (give details below) other (give details below) other (give details below) Triangle Mortar Details / notes: Other Bridge Stile Gate Wall Head Smoots Niche, bee-bole etc. Arch Farm vehicle sheep within wall length squeeze (give details below) Slab steps to top Horse at wall junction water Not stone step/squeeze Person at gate/stile rabbit Inscription wood over wall with stoup (give details below) wood over stone stile without stoup other (give details below) Features Details / notes: Freid wall within onea 18. Additonal notes / sketch section Natural interrant bourders, S. faemos Sectro most will from therd deavand. (as with I). The renegular alignment suggest an early dare. Digital V Film No: BW 🗍 🕬 No CS Film No: Photographs © NAA 2011 If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CAS I LE, Co Ourham DL12 88N Doc 277a v.1.00



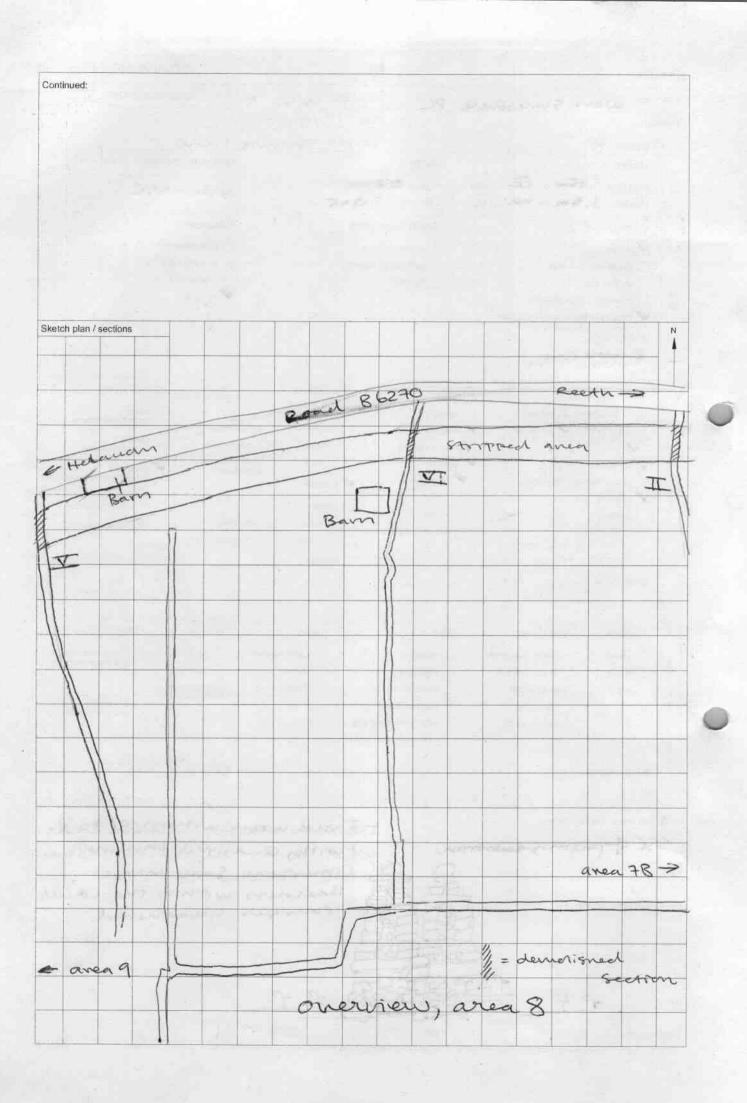
NAA 32a

	NAME:	the went "	stonesdall	SITE CODE: WSP	15	ALL SECTION NO. TY
cati				Date: 19/5/15		
4	then FR			Surveyed by: They	nese Fall	L
5710	Height (eg. 1.5 High Side:			8m 185: 0,45m		on of wall (eg. NNE-SSW)
+			2.52 40		Situation	
Hite		e double ve details below) letails below e.g. orthostatic, mi coursed)	Stone face with wall a with hedge by itself	bove	on eart by eart next lo	h bank h bank ditch
	Style		Stones	Top Stones		Stone Type
Detail	0 2 2 1 3 Coverband		round irregular almost square Laminar Horizontal Angled other (give details be	Laminar	Angled uphill Angled downhill other / combination (give details below) Semi circular other (give details below)	 slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains) other (give detalls below)
	Details / notes:			✓ Triangle		1 =
Features (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze wood over wa other (give det	Mortar Gate Farm ve Farm ve Person all one stile	Bridge ehicle Arch Slab	Niche, bee-bole et
Features (when recording lengths of	Smoots Sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wath wood over state other (give det state) 	Mortar Gate Farm ve Farm ve Person all one stile aits below)	Bridge ehicle Arch Slab Not :	Niche, bee-bole e (give details below) stone



NAA 32a

SITE I	NAME: W.or	7 Stonesola	N PL	SITE CODE: WS	PIS	LL SECTION NO.
.ocati				Date: 19/5/	15	
0	then 8			1	mese Falk	
-1	Height (eg. 1.5	m on ESE side)	Width	1		n of wall (eg. NNE - SSW)
Size	High Side:	4 m. on	ide At base: Ø	0,7m		-sse
	Construction	1	Stone fac	ed bank	Situation	
	double		with wal	above	on earth	bank
	single above	e double		lge above	by earth	bank
	vertical slab		by itself		next to d	itch
Style	retaining (gh	ve details below) etails below e.g. orthostatic,			🗹 by itself	
	Rubbi	i cone				
	Style		Stones	Top Stones		Stone Type
	No. of through-	bands per metre	round	🗹 Laminar 😜		(laminar, hard, smooth)
	0 2	Continuous	irregular	Horizontal	Angled uphill	
	1 3		almost square	Vertical	Angled downhill	(round, hard, smooth)
	coverband		🗹 Laminar	Angled	(give details below)	Imestone
_	stones dres	sed thoroughly	Morizontal	Boulders		(laminar/round, lumpy, hard/so
Detail	Coursed		Vertical	Dressed		(fine compressed grains)
~			Angled	the second s		
Ó	random		other (give details	Triangle	Semi circular Other (give details below)	Other (give details below)
Ó	Details / notes:			below)		Other (give details below)
á		Wall Head		below) Triangle		Other
	Details / notes;	Wall Head	C other (give details	below) Triangle Mortar Gate	Other (give details below)	Other
	Details / notes:		Stile	below) Triangle Mortar Gate Farm	other (give details below) other (give details below) Bridge vehicle Arch	Other
the of well?	Details / notes: Smoots	within wall length	C other (give details Stile Stile squeeze	below) Triangle Triangle Mortar Gate Farm Horse	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other
the of well?	Details / notes: Smoots	within wall length	Stile	below) Triangle Mortar Gate Farm Horse Ze Perso	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other Other Other Other Other Inscription
the of well?	Details / notes: Smoots	 within wall length at wall junction at gate/stile 	Stile	below) Triangle Triangle Mortar Gate Farm Horse Ze Perso wall	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other
the of well?	Details / notes: Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile Stips to top Step/squeez wood over v	below) Triangle Mortar Gate Farm Horse Ze Perso wall stone stile	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other Other Other Other Other Inscription
	Details / notes: Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile Stile Stips to top Step/squeeze wood over v wood over s	below) Triangle Mortar Gate Farm Horse Ze Perso wall stone stile	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other Other Other Other Other Inscription
the of would	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup 	Stile Stile Stips to top Step/squeeze wood over v wood over s	below) Triangle Mortar Gate Farm Horse Ze Perso wall stone stile	other (give details below) other (give details below) Bridge vehicle Arch Slab	Other Other Other Other Other Inscription
Features (when recording Mryphs of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Stile Stile Stips to top Step/squeeze wood over v wood over s	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other Other Niche, bee-bole etc (give details below) One Inscription (give details below)
Features (when recording innights of well)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording innigration of wall)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording innigration of wall)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording innigration of wall)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording intights of well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording linguith of well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording limit; or well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording limit; or well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other
Features (when recording limit; or well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other Niche, bee-bole etc (give details below) Done Inscription (give details below)
Features (when recording limit; or well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other Niche, bee-bole etc. (give details below) ne Inscription (give details below)
Features (when recording limit; or well)	Details / notes: Smoots Sheep water rabbit Details / notes: Conal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Other (give details Other (give details Stile squeeze steps to top step/squeez wood over s other (give details	below) Triangle Mortar Mortar Horse Horse Horse Perso wall stone stile etails below)	other (give details below) Bridge vehicle Arch Slab n Not str	Other Other Other Other Other Inscription

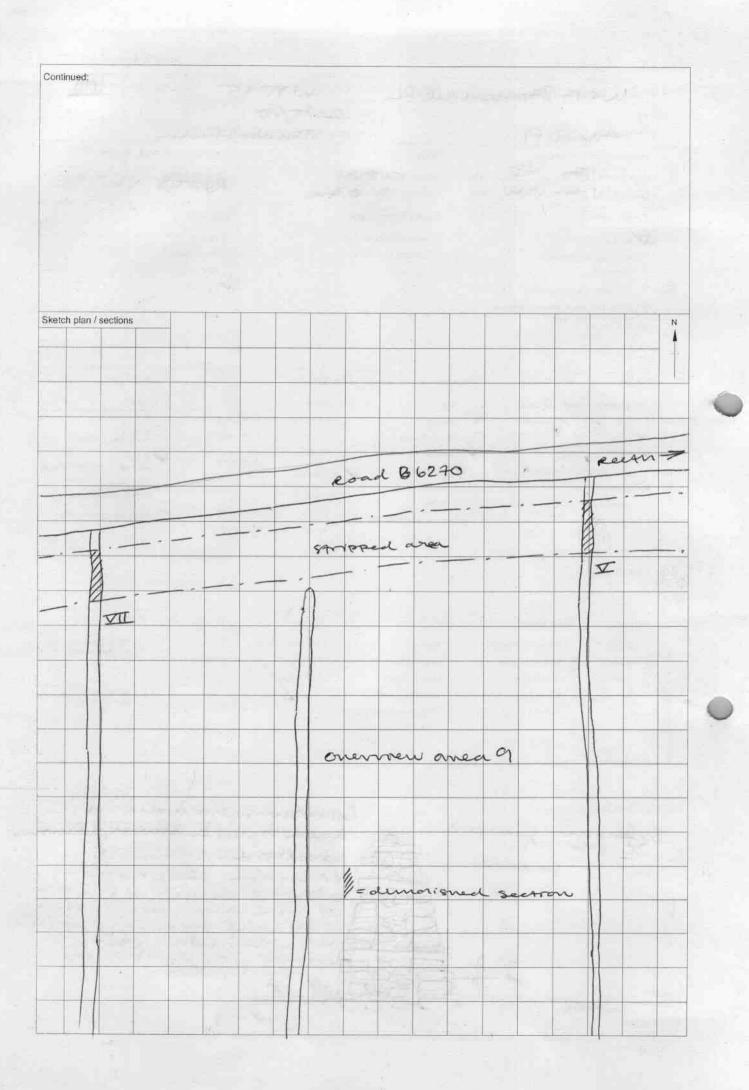


NAA 32a

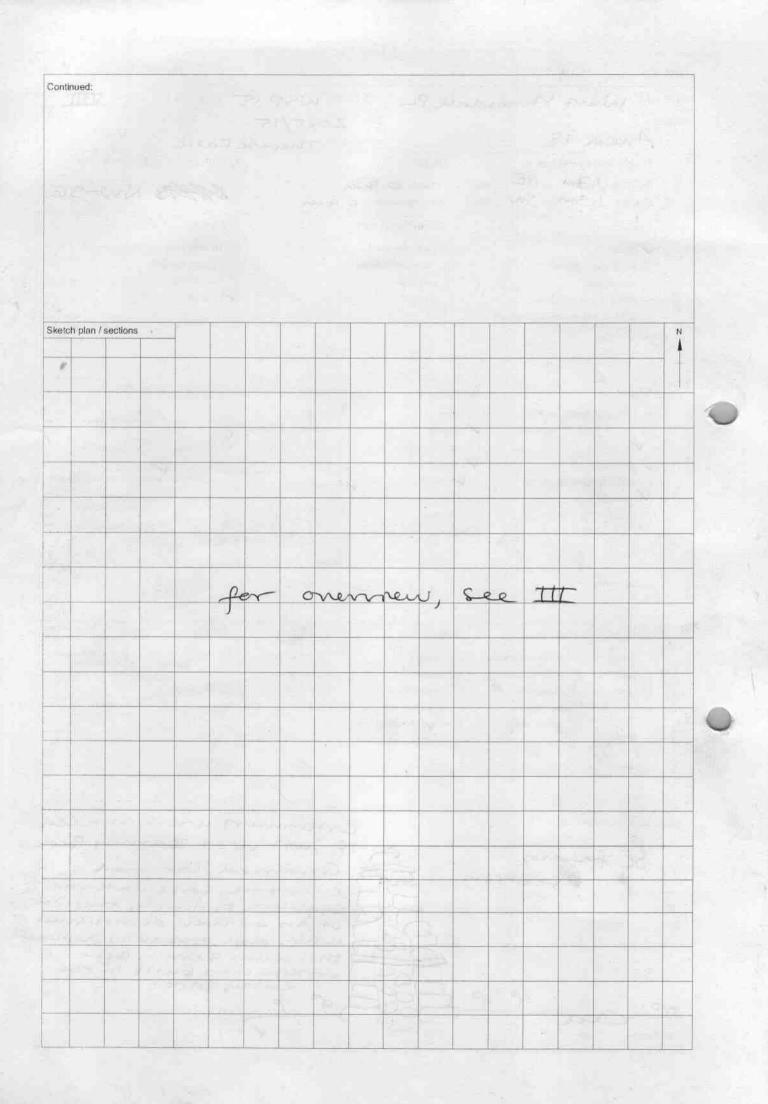
TEN	NAME: WOR	+ stonescla	ue PL	SITE CODE: WSP 15		SECTION NO. VI
cati	on:			Date: 19/5/15		
	Area 8	3		Surveyed by: menere	Falls	
070	Height (eg. 1.5		Width de Atbase: Øt		Orientation	of wall (eg. NNE - SSW)
		3m on W si		nes: 0,45	N-	S
t	Construction	1	Stone face	ed bank	Situation	
	double		with wall	above	on earth ba	
	Single abov	e double	with hedg	je above	by earth ba	
	vertical slat	2	by itself		next to ditcl	h
alvic					by itself	
	Style		Stones	Top Stones		Stone Type
		bands per metre	round	Laminar		slatey
-		2 Continuous	V irregular	Horizontal Ang	led uphill	(laminar, hard, smooth)
		3	almost square		led downhill	(round, hard, smooth)
	Coverband		Laminar		er / combination details below)	Imestone
_	stones dre	ssed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/s
Detail	Coursed		Vertical	Dressed		(fine compressed grains)
	1 depart of evens		Angled		ni circular	-
	random		[]		th chilothin	other (give details below)
			other (give details b	eiow)	ef (give details below)	Other (give details below)
	Details / notes:		other (give details b	elow)		Other (give details below)
si of walls	-	Wall Head within wall length at wall junction at gate/stile	Stile Stile Stueeze Steps to top Step/squeeze	elow) Triangle othe Mortar Gate Farm vehicle Horse Person		Other
Camero Camero	Details / notes: Smoots sheep water	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile	eelow) Triangle othe Mortar Gate Farm vehicle Horse Horse Person rall tone stile	Bridge	Other
Features (when recording tengins of well)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile squeeze steps to top step/squeeze wood over w wood over s	elow) Triangle othe Mortar Gate Farm vehicle Horse Horse Person rall tone stille tails below)	er (give detailts below) Bridge Arch Slab Not stone	Other
FB31UFBS (when recording tengths of wall)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	elow) Triangle othe Mortar Gate Farm vehicle Horse e Person rall tone stile nails below)	Bridge	Other
FB31UFBS (wrtee recording lengths of wall)	Details / notes: Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	elow) Triangle othe Mortar Gate Farm vehicle Horse e Person rall tone stile tails below) Foetd way Mortar	Bridge Arch Slab Not stone	Other Niche, bee-bole e (give details below) e Inscription (give details below) e un anex 8 Lannar
Features (when recording tengins of well)	Details / notes: Smoots sheep water rabbit Details / notes: tonal notes / sket	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	Pelow) Triangle othe Mortar Mortar Farm vehicle Horse Horse Person rall tone stile tails below) Forend woon Morthy Que	er (give detailit bulow) Bridge Arch Slab Not stone Not stone	Other Niche, bee-bole e (give details below) e Inscription (give details below) un anea 8 Lournar Large
FB31UFBS (wrtee recording lengths of wall)	Details / notes: Smoots sheep water rabbit Details / notes: tonal notes / sket	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	Below)	Bridge Bridge Arch Slab Not stone Not stone u united annied Some Some	Other Niche, bee-bole e (give details below) e Inscription (give details below) e un anea 8 Lounnar Lounnar Lounge n the Loun
Features (when recording tengins of well)	Details / notes: Smoots sheep water rabbit Details / notes: tonal notes / sket	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	Pelow) Triangle othe Mortar Mortar Farm vehicle Horse Horse Person rall tone stile tails below) Forend woon Morthy Que	Bridge Bridge Arch Slab Not stone Not stone u united annied Some Some	Other Niche, bee-bole e (give details below) e Inscription (give details below) e un anea bannar bannar bannar harope n the low
FealUrGS (when recording lengths of well)	Details / notes: Smoots sheep water rabbit Details / notes: tonal notes / sket	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Swood over s Other (give de	Below)	Bridge Bridge Arch Slab Not stone Not stone u united annied Some Some	Other Niche, bee-bole e (give details below) e Inscription (give details below) un anea 8 Lamaar Lamaar Lamaar Lamaar Lamaar

Conti	nued:				1.3				3									
	÷.,																	
													× 10					
Sketc	h plan /	sections		1		1	-		1	_		1			1		1	N
																1.00		1
																		T.
			-						-									
															-			
					-												1	
4								-	-								1	1.00
						-			1.1			1			1	1		
							_		57			-				1		
							5-6	re	V	t	or	6	ner	n.	en			
			18			-				_								
					1							1.1				497		
											-						12	
- 4														-				
			. e	1.17						- 21	_						÷ 6	
				1					3.			_						
-					-				-							-		
													-	1				
													1.0					
		-		-	<u>.</u>											1		
		22	1.10	100		14 24g	ang the	-	7							-		
	(April	1972	15	1000	er an		1.13	1100	1	13.7		-12975		-	(M) (1) (2)	1	8	
		-	-		1.2		34-	e inter	1.18	2								-
			re. /			1			1.00									
		14.6	1.2-24			1000	anni	1	1.4									
									生成									
							5-0-	3	12			3						
-															1.5			

Date: 2015/15 Surveyed by: Therease Facture Bill Surveyed by: Therease Facture High Side: 1, 1, 1,, on, Side Width Orientation of wall (eg. NNE-5SW) High Side: 1, 1, 1,, on, Side Store faced bank N-S Construction Store faced bank Situation Gouble with wall above 0 on earth bank Gouble with wall above 0 yearth bank Gouble with wall above 0 on earth bank Gouble with wall above 0 with wall above Gouters: Store Type Imarinar Gouters: Goutenuous Imar			it stones	dall PL	SITE CODE:	NSPI	S WAL	L SECTION NO. VI
Amen (Image: Surveyed by: Trenesse Facult) Height (as, 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) High Side: Image: Store (Stressed Facult) At base: Orientation of wall (eg. NNE - SSW) Might Side: Image: Store (Stressed Facult) N - S Construction Store faced bank Situation Image: Store double with wall above Image: Store (Stressed Facult) Verical slab with hedge above Image: Store (Stressed Facult) Verical slab by itself Image: Store (Stressed Facult) Image: Style Store statistic below (Stressed Facult) Image: Store (Stressed Facult) Image: Style Store statistic below (Stressed Facult) Image: Store (Stressed facult) Image: Style Store statistic below (Stressed facult) Image: Store (Stressed facult) Image:					Date: 20	15/15		
Height (eq. 1.5m on ESE side) Width Orientation of wall (eq. NNE - SSW) High Side: Image: Side side side side side side side side s		Ano	19 9			· · · · · · · · · · · · · · · · · · ·	e Fall	u
High Side: Image: Side: At base: C) Model Model <td>Heid</td> <td>10. 0 <u>12</u></td> <td></td> <td>Width</td> <td></td> <td></td> <td>Orientation</td> <td>of wall (eg. NNE - SSW)</td>	Heid	10. 0 <u>12</u>		Width			Orientation	of wall (eg. NNE - SSW)
Big Control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control double Image: control d	High S	Side: 10	the on E s	ide At base: C			N- 5	3
generation image: single above double image: with hedge above image: by earth bank image: single above double image: by itself image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double image: single above double infill, sent consect) image: single above ag, orthotatic, since(single above ag, orthotatic, since(singl	Cons	struction		Stone face	ed bank		Situation	
ge single above double with hedge above by earth bank ivertical slab by itself mext to dlich ivertical slab by itself ivertical slab ivertical slab other (Give details below e.g. onthostalic, restaining (give details below e.g. onthostalic, restaining (give details below e.g. onthostalic, restained to the formation of the formati	V do	ouble		with wall	above		🗌 on earth t	bank
Big of Net Image: Style Stores Top Stores Store Type Image: Style Stores Top Stores Store Type Image: Style Stores Top Stores Store Type Image: Im			double	with hedg	je above		by earth b	ank
Image: Style stores in coursed) Style stores in coursed) Style stores in coursed) Store Type (laminar, hard, smooth) No. of through-bands per metre in cound in through-bands per metre in cound in through-bands per metre in cound in the control in the contr	ve	ertical slab		by itself			the part of the second second	ich
No. of through-bands per metre round Laminar angled uphili 0 2 continuous irregular Horizontal Angled uphili 1 3 almost square Vertical Angled downhili granty (round, hard, smooth) Image: Coverband Laminar Angled other / combination (glue details below) Image: Coverband Image: Coverband Image: Coverband Stones dressed thoroughly Horizontal Boulders Sandstone (fine compressed grains) sandstone (fine compressed grains) Angled Angled Dressed other (give details below) other (give details below) Other (give details below) other (give details below) other (give details below) other (give details below) Details / notes: Smoots Wall Head Stile Gate Bridge Other Smoots Wall Head Stile Gate Bridge Other (give details below)	ott	ther (Give de	tails below e.g. onhostatic,				⊻ by itself	
No. of through-bands per metre round Laminar angled uphili 0 2 continuous irregular Horizontal Angled uphili 1 3 almost square Vertical Angled downhili granty (round, hard, smooth) Image: Coverband Laminar Angled other / combination (give details below) Image: Coverband Stones dressed thoroughly Horizontal Boulders Sandstone (fine compressed grains) random Angled Dressed other (give details below) other (give details below) Mortar Details / notes: Stile Gate Bridge Other Smoots Wall Head Stile Gate Bridge Niche, bee-bole (give details below)	Style	0		Stones	Top Sto	nes	50%	Stone Type
Md. of unough bands for mode I datas			and a normalize					
Image: Constant of the second of the seco	in-mail -						d uphill	(laminar, hard, smooth)
Image: Coverband Image: Coverband <td< td=""><td></td><td></td><td></td><td>the second s</td><td>Ventio</td><td></td><td></td><td>granity (round, hard, smooth)</td></td<>				the second s	Ventio			granity (round, hard, smooth)
istones dressed thoroughly Horizontal Boulders Itaminar/round, tumpy, harristication in the compressed grains) istones dressed thoroughly Vertical Dressed Itaminar/round, tumpy, harristication in the compressed grains) istones dressed thoroughly Vertical Dressed Itaminar/round, tumpy, harristication in the compressed grains) istones dressed thoroughly Angled Dressed Itaminar/round, tumpy, harristication in the compressed grains) istones dressed thoroughly Angled Dressed Other (give details below) istones dressed thoroughly Itaminar/round, tumpy, harristication in the compressed grains) Other (give details below) istones dressed thoroughly Angled Square Semi circular other (give details below) istones Itaminar/round, tumpy, harristication in the compressed grains) Mortar other (give details below) image: Mortar Mortar Mortar image: Stile Gate Bridge Other image: image: Farm vehicle Arch Niche, bee-bole (give details below) image: image: Farm vehicle Arch (give details below)	1 co	overband			Angle			
Image Square Semi circular other (give details below) Image other (give details below) Triangle other (give details below) Image Mortar Image Smoots Wall Head Stile Gate Bridge Other (give details below) Image		tones dress	ed thoroughly	Horizontal	Boulde	Intra-		(laminar/round, lumpy, hard/sof
Indicidint Image Seminicircular other (give details below) Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image	oo 🖌 🕐				Dresse	ed		
Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch (give details below) (give details below)	a 🗌 ra	andom			Squa		circular	other (give details below)
Details / notes: Smoots Wall Head Stile Gate Bridge Other Smoots Wall Head Stile Gate Bridge Other Smoots within wall length squeeze Farm vehicle Arch Niche, bee-bole Give details below/ Other Other Other Other Other				Other (give details b)		gle other	(give setails below)	
image:	st 🗌 st	heep vater	 within wall length at wall junction at gate/stile with stoup 	squeeze steps to top step/squeeze	e D	Farm vehicle Horse	Arch	Niche, bee-bole etc. (give details below) ne
Details / notes:	Leatures (mer	ls / notes:	S without stoup	i other (give de	tails below)			



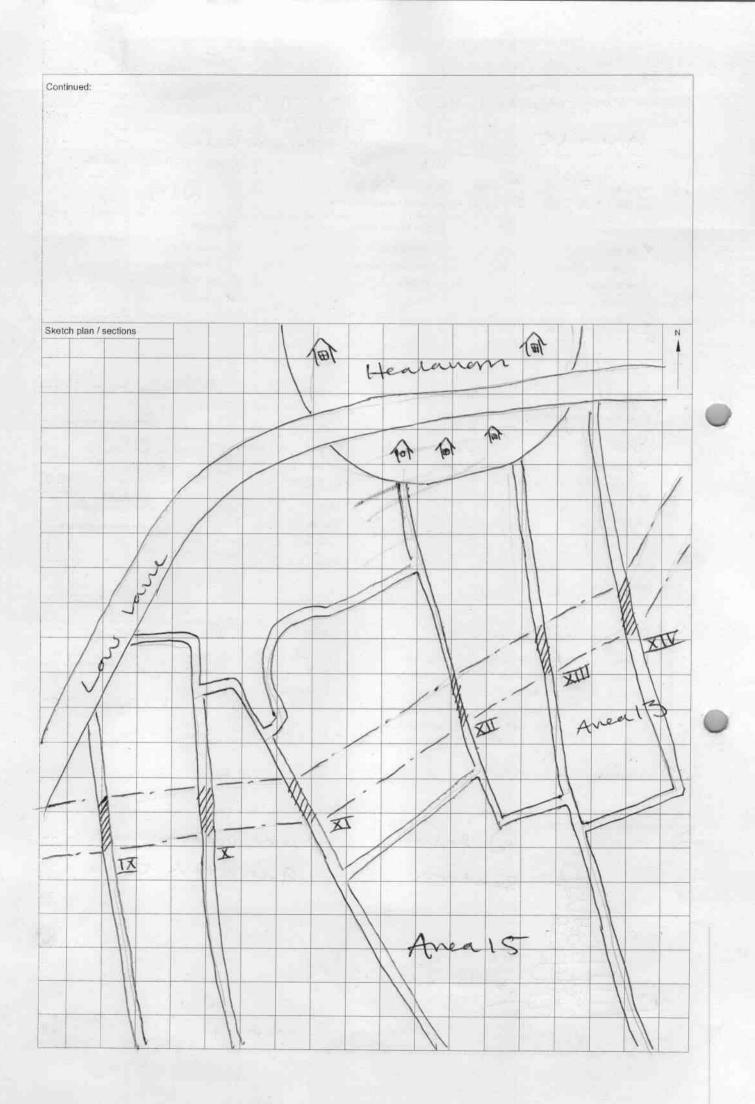
Field Wall Recording Sheet NAA 32a SITE CODE: WSP 15 WALL SECTION NO. VTIT SITE NAME: Wert Steveredall PL 20/5/15 Location: Date: Anea 18 Surveyed by: Therese Falle Height (eg. 1.5m on ESE side) Orientation of wall (eg. NNE - SSW) Width High Side: 1.3m on NE Size side At base: 0,7m XIN NW-SE Low side: L1 3m on SW side below top stones: 0,4m Situation Stone faced bank Construction with wall above on earth bank double by earth bank single above double with hedge above next to ditch vertical slab by itself Style W by itself retaining (give details below) Other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes; Stone Type Top Stones Stones Style (laminar, hard, smooth) Laminar No. of through-bands per metre round 0 2 continuous irregular Horizontal Angled uphill granity (round, hard, smooth) V1 3 Vertical Angled downhill almost square (give details below) coverband Laminar Angled Vimestone Horizontal (laminar/round, lumpy, hard/soft) stones dressed thoroughly Boulders Detail Vertical sandstone V coursed Dressed ine compressed grains) Angled random Square Semi circular other (give details below) other (give details below) Other (give details below) Triangle Mortar Details / notes: Bridge Other Wall Head Stile Gate Smoots Arch Niche, bee-bole etc. squeeze Farm vehicle within wall length sheep (give details below) Slab water at wall junction steps to top Horse step/squeeze Person Not stone rabbit at gate/stile Inscription with stoup wood over wall (give details below) wood over stone stile without stoup Features (whe Other (give details below) Details / notes: Essemment wall in area Additonal notes / sketch section 18, Just W of Barning Beck. SE farmer Quarried, Lammar Romentane, some natural bounders. Formany the line of an earwer, demoniqued wall, and presoalous repailed 0 this when Banney Becce bordese was bunt in the earry 1000s. 00 Digital VFilm Nox Film Not BW CS Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N © NAA 2011 Doc 277a v 1.00



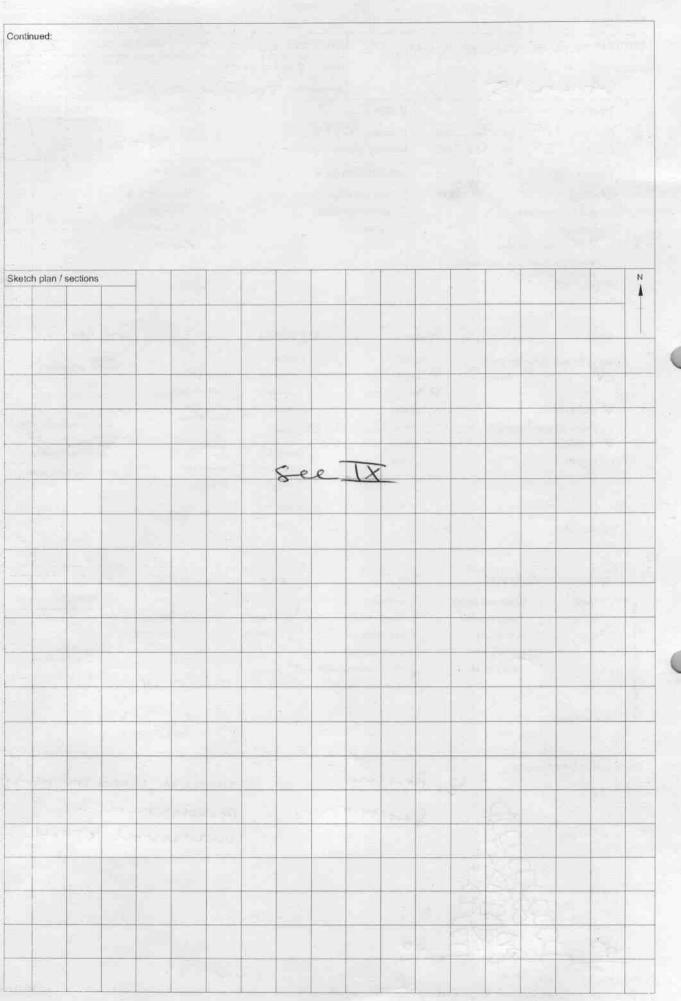
÷ 1

NAA 32a

-	NAME: WORT	Stonesdal	e PL si	TE CODE: WSPIS	WALI	SECTION NO.
ocatio				ite: 28/5/15		
	Anec	115	S	irveyed by: The nese	Falle	
Size	The second second second second second	m on ESE side) 55 on Wissing si 45 on Eising si	Width de Atbase: 0,8		Orientation	of wall (eg. NNE - SSW) - S
Style		e double ve details below) ietails below e.g. orthostatic,	Stone faced t	ve	Situation on earth ba by earth ba next to dito	ank
	Style		Stones	Top Stones		Stone Type
Detail	0 2 1 3 Coverband	hand service services	 round irregular almost square. Laminar Horizontal Vertical Angled other (give details below 	Vertical Angl Angled other Gland Dressed Square Sem	ed uphill ed downhill r / combination senalis below) h circular r (give denalis below)	 slatey (laminar, hard, smooth) granity (round, hard, smooth) Imestone (laminar/round, lumpy, hard/soft sandstone (fine compressed grains) other (give details below)
	Details / notes:	Well Logd	Stile		Bridge	Other
1	Smoots	vvali neau	Oulo	Gate	Dilugo	Other
Features (when recording lengths of well)	Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeeze wood over wall wood over stone other (give details	Farm vehicle	Arch	Niche, bee-bole etc (give details below)
Features (when recording lengths	☐ sheep ☐ water ☐ rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeeze wood over wall wood over stone	Farm vehicle Horse Person stile below)	Arch Slab	Niche, bee-bole etc (give details below) e



TE	NAME: West 8.	tonerd	ale PL	SITE CODE: WS	PIS	WALL SECT	ION NO. X
cat	ion:			Date: 28/5/1	5		
	Anen 1	5			nese Fr	2110	
T	Height (eg. 1.5m on ESE s		Width		28000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(eg. NNE - SSW)
2710	High Side:			0,75			
5	Low side:			- A - C		N-S	
		11ðríðal ar					
	Construction		Stone face	d bank	Situa	tion	
	😡 double		with wall a	bove	on 🗌	earth bank	
	single above double		with hedge	e above		earth bank	
D	vertical slab		by itself		Instantial Contractory	kt to ditch	
ailia	retaining (give details be				by	itself	
	other (Give details below rubble infill, semi coursed)	e.g. orthostatic,					
	Details / notes:						
_	Shile	-	Stones	Top Stones		Ston	е Туре
	Style						
	No. of through-bands per		round	Laminar	Angled uphill		stey ninar, hard, smooth)
		ntinuous	M irregular	Ventical	Angled downhill	🗌 gr	anity
	Coverband		✓ almost square	Angled	other / combinati	on	und, hard, smooth)
	stones dressed thoro	uably	Horizontal		(give details below)	V lin	iestone ninat/round, lumpy, hardis
	Coursed	aginy	Vertical	V Bouiders		🗌 sa	indstone
	T random		Angled	Dressed			e compressed grains)
				Square	Semi circular	- Ott	her (give details below)
			other (give details be		Courses on the	100 m - 100 m - 100 m	
	Details / notes:		OTHEF (give details be	iow) Triangle	Other (give omails b	100 m - 100 m - 100 m	
\$ I I	Smoots Wall H sheep with water at w rabbit at ga with with with	Head in wall length vall junction ate/stile stoup out stoup	Stile Steps to top Step/squeeze wood over wa other (give details be	Triangle Triangle Mortar Gate Farm ve Farm ve Person	enicle A	elow) Ige (Dther Niche, bee-bole ef (give details below) Inscription (give details below)
\$ - I	Smoots Wall H Sheep with water at w rabbit at g with	in wall length /all junction ate/stile stoup	Stile Stile Steps to top Step/squeeze Wood over wa	Triangle Triangle Mortar Gate Farm ve Farm ve Person	enicle A	elow) dge (Arch [Slab	Niche, bee-bole et (give details below)
	Smoots Wall H sheep with water at w rabbit at g with with with with betails / notes:	in wall length /all junction ate/stile stoup	Stile Stile Steps to top Step/squeeze Wood over wa	Triangle Triangle Mortar Gate Farm ve Farm ve Person	enicle A	elow) dge (Arch [Slab	Niche, bee-bole et (give details below)
	Smoots Wall H sheep with water at w rabbit at ga with with with	in wall length vall junction ate/stile stoup out stoup	Stile Steps to top Step/squeeze wood over wa other (give deta	Triangle Triangle Mortar Gate Farm ve Horse Person Il one stile ils below)	ehicle A	elov) Arch [Slab Not stone	Niche, bee-bole ef (give details below)
	Smoots Wall H sheep with water at w rabbit at g with with with with betails / notes:	in wall length vall junction ate/stile stoup out stoup	Stile Steps to top Step/squeeze wood over wa other (give deta	Triangle Triangle Mortar Gate Farm ve Horse Person Il one stile ils below)	ehicle A	elov) Arch [Slab Not stone	Niche, bee-bole ef (give details below)
	Smoots Wall H sheep with water at w rabbit at g with with with with betails / notes:	in wall length vall junction ate/stile stoup out stoup	Stile Stile Steps to top Step/squeeze Wood over wa	Triangle Triangle Mortar Gate Farm ve Horse Person Il one stile ils below)	ehicle A	elov) Arch [Slab Not stone	Niche, bee-bole el (give details below)
C C C C C C C C C C C C C C C C C C C	Smoots Wall H sheep with water at w rabbit at g with with with with betails / notes:	in wall length vall junction ate/stile stoup out stoup	Stile Steps to top Step/squeeze wood over wa other (give deta	Triangle Triangle Mortar Gate Farm ve Horse Person Il one stile ils below)	ehicle A	elov) Arch [Slab Not stone	Niche, bee-bole ef (give details below)
	Smoots Wall H sheep with water at w rabbit at g with with with with betails / notes:	in wall length vall junction ate/stile stoup out stoup	Stile Steps to top Step/squeeze wood over wa other (give deta	Triangle Triangle Mortar Gate Farm ve Horse Person I ne stile ils below)	ehicle A	elov) Arch [Slab Not stone	Niche, bee-bole et (give details below)



Field Wall Recording Sheet NAA 32a WALL SECTION NO. XT SITE CODE: WSP 15 SITE NAME: West Stonesdale PL Date: 28/5/15 Location: Anea 15 Surveyed by: menese Falle Height (eg. 1.5m on ESE side) Orientation of wall (eg. NNE - SSW) Width High Side: 1, 6 on Sw side Size At base: 0,75 NW-SE Low side: 1, 5 on NE side below top stones: 0,45 Situation Stone faced bank Construction with wall above on earth bank V double by earth bank with hedge above single above double next to ditch vertical slab D by itself Style by itself retaining (give details below) other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Stone Type Top Stones Style Stones (laminar, hard, smooth) No. of through-bands per metre round Laminar 0 2 continuous irregular Horizontal Angled uphill granity (round, hard, smooth) 1 3 Vertical Angled downhill almost square other / combination Laminar Angled V coverband **V** limestone rive ristally below? Horizontal (laminar/round, lumpy, hard/soft) stones dressed thoroughly Boulders Detail Vertical (fine compressed grains) V coursed Dressed Angled random Semi circular Square other (give details below) other (give details below) Triangle other (give details below) Mortar Details / notes: Bridge Other Wall Head Stile Gate Smoots Niche, bee-bole etc. (give details below) within wall length squeeze Farm vehicle Arch sheep ł Slab Horse at wall junction steps to top water Not stone rabbit at gate/stile step/squeeze Person wood over wall Inscription with stoup (give details below) wood over stone stile without stoup other (give details below) Features Details / notes: SE farma Additonal notes / sketch section Digital BW CS Film No: Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N @ NAA 2011 Doc 277a v.1.00

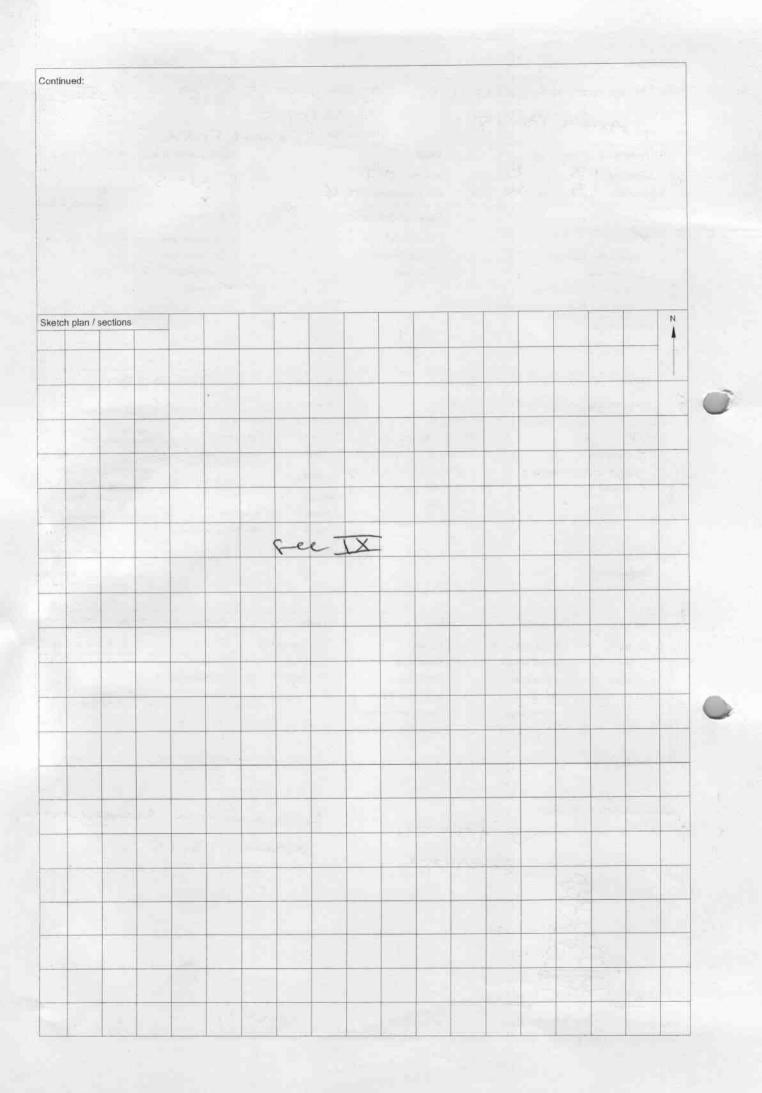
				-					_	_	-							
Contii	nued:																	
keto	h olan /	sections	_	-	-	-			_							_		N
ALC LO																		Å
						4												4
																		- 4 I
	-											1.84						
										111							12	
		-	1	-							-	-	-				- /	
												in the second						
									~									
						5	500	-1	X				1.5				-	
													<u> </u>			_		_
							1.14											
-			-			-												
									1									
					-				· · · · ·				12.2					
							_											
															-			
						l.,				1	d.	3.2					1	
									1				15					
						-				-		-						
							=											
												_	Reads.					
		-										_	1	1000	_			
	-														1	1		
				11			-											

Field Wall Recording Sheet NAA 32a WALL SECTION NO. XT SITE CODE: WSP 15 SITE NAME: When stonesdale PL Date: Date: 28/5/15 Surveyed by: menese Location: Anen 15 Falle Orientation of wall (eg. NNE - SSW) Height (eg. 1.5m on ESE side) Width Size At base: 0,85 N-S Low side: 1.3. on E. side below top stones: O 45 Situation Stone faced bank Construction with wall above on earth bank ✓ double by earth bank with hedge above single above double M next to ditch vertical slab by itself Style Kerby itself retaining (give details below) Other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Top Stones Stone Type Stones Style (iaminar, hard, smooth) Laminar No. of through-bands per metre round Angled uphill 0 2 continuous 🗌 irregular Horizontal granity (round, hard, smooth) 1 3 Vertical Angled downhill almost square other / combination Laminar Angled coverband Vilmestone stones dressed thoroughly Horizontal und, lumpy, hard/soft) Boulders Detail Vertical V coursed sandstone Dressed fine compressed grains) Angled random Semi circular Square other (give details below) Other (give details below) Triangle other (give details below) Mortar Details / notes: Other Smoots Wall Head Stile Gate Bridge Niche, bee-bole etc. (give details below) Arch sheep within wall length squeeze Farm vehicle Horse Siab at wall junction steps to top water Not stone Person rabbit at gate/stile step/squeeze with stoup wood over wall Inscription (give details below) wood over stone stile without stoup (when other (give details below) Features Details / notes: Additonal notes / sketch section prend wour w. of detened out small stream. S. faening Section Digital Pilm No. 1 BW Photographs CS Film No If found please return to: Northern Archaeological Associates bd. Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Dumam DL12 8BN © NAA 2011 12 pc 277a v 1.00

ontin	iued:												- 8					
																		- 21
etch	n plan / :	sections									× .							N
-					_					_								-
												_						
						_					-							
1																		
-						-												
_							8	ee	T	X								
																Υ.		
														ы				
-								-							-			
																	S.,	
											12							
-	-																	
												0						
																	-	
															1.0			
20	er if		1-2								1.1.1							
		1.7	1973	7 32		2051												
							2.8											
					_									1.000				
		_		_										-5		_		
				÷.														
														624	1			
											-	1						

NAA 32a

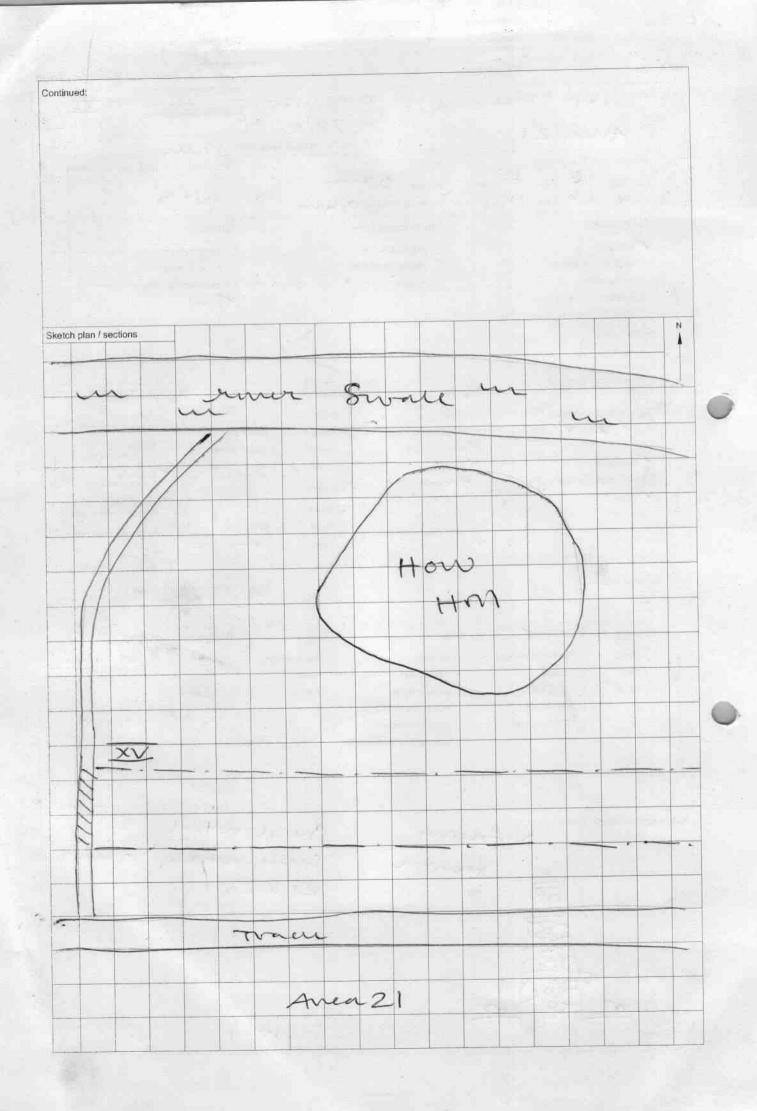
- 1. bas	We We	· - \$10000300	all PL	TE CODE: WS	* 15	WALL SECTION NO. XIII
cal	tion:	rt stonesd	Di	ate: 28/5/	15	
	20		Si	urveyed by: TM	evere Fa	ule
Ń		3 on E s				ation of wall (eg. NNE - SSW) J - S
	Low side:	3 s	ide below top stones	014		
	Construction	n	Stone faced t	bank	Situatio	on
	double		i with wall abo	ve	on ea	arth bank
	single abov	e double	with hedge all	bove	🗌 by ea	arth bank
,	vertical slat) — () () () () () () () () ()	by itself			to ditch
arite		ive details below) details below e.g. orthostatic, mil coursed)			🗹 by its	self
	Style		Stones	Top Stones		Stone Type
	No. of through-	bands per metre	round	🗌 Laminar		slatey
	0 0 2		irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
			M almost square	Vertical	Angled downhill	(round, hard, smooth)
	Coverband		-Laminar	Angled	(give details below)	✓ limestone
		sed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard
Detail	coursed		Angled	Dressed		(fine compressed grains)
			other (give details below)	Square	Semi circular	cther (give details below)
			Ouror (give counts below)		other (give details belo	w)
9				Triangle	Contrast (Mass consists entry	
	Details / notes:			Mortar		
	Details / notes: Smoots	Wall Head	Stile	/	Bridg	
three of word)	Smoots	within wall length	squeeze	Gate Farm v Horse	Bridg vehicle Arc	ge Other ch Niche, bee-bole o (give details below) ab
 (when reconting lengths of well) 	Smoots	within wall length	squeeze steps to top step/squeeze wood over wall wood over stone	Gate Farm Horse Persor	Bridg vehicle Arc	ge Other
Features (when reconstring lengths of well)	Smoots	 within wall length at wall junction at gate/stile with stoup 	squeeze steps to top step/squeeze wood over wall	Gate Farm Horse Persor	Bridg vehicle Arc	ge Other ch Niche, bee-bole (give details below) ab of stone
	Smoots Sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) ab of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeeze wood over wall wood over stone	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes: tonal notes / sketc	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Farm v Horse Persor	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone
	Smoots Sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	 squeeze steps to top step/squeeze wood over wall wood over stone other (give details to 	Gate Gate Farm Horse Persor stile pelow)	vehicle Arc Sla n No	ge Other ch Niche, bee-bole (give details below) of stone



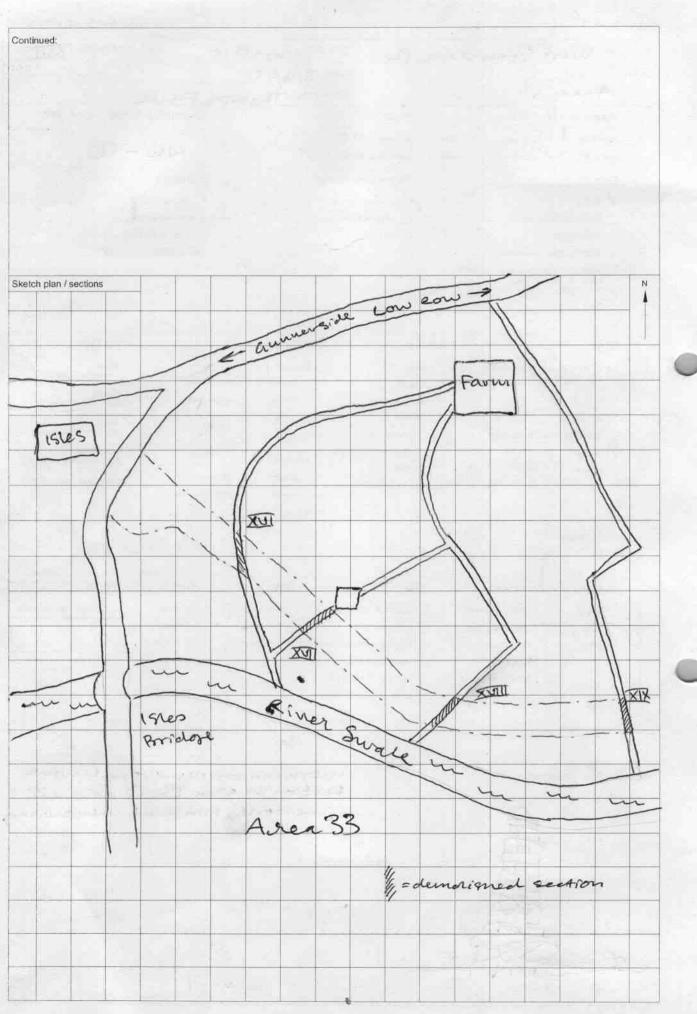
AA					
ITE	NAME: West store	solale PL	SITE CODE: WS	SP 15	WALL SECTION NO. XIV
ocat	NAME: West Store		Date: 28/5/	15	
	Area 13		Surveyed by: Th	enese E	Falle
Size	Height (eg. 1.5m on ESE side) High Side: 1.4 on E Low side:		0,7m ones: 0,35m	Orie	ntation of wall (eg. NNE - SSW)
Style	Construction double single above double vertical slab retaining (give details below) other (Give details below e.g. orthostatic rubble infil, semi coursed) Details / notes:	Stone face with wall with hedg by itself	above	by	ation n earth bank y earth bank ext to ditch y itself
	Style	Stones	Top Stones		Stone Type
	No. of through-bands per metre	 ☐ round ☐ irregular ☑ almost square 	Laminar	Angled uphill	(round, naid, smooth)
Detail	coverband stones dressed thoroughly coursed	Horizontal	Angled Boulders	(give details below)	Ilimestone (laminar/round, lumpy, hard#
00		Angled			
De	random	Other (give details be	elow) Square Triangle	Semi circular	below)
De	Details / notes:		elow)		2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	Details / notes: Smoots Wall Head	C other (give details b	elow) Triangle Mortar Gate	other (give decails	below) idge Other
9	Details / notes:	C other (give details b	elow) Triangle Mortar Gate Farm Horse a Person all one stille	other (give decails	(Finitive)
	Details / notes: Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	Other (give details be Stile Stile Style steps to top step/squeeze wood over wa wood over step	elow) Triangle Mortar Gate Farm Horse a Person all one stille	other (give decails	teliow) idge Other Arch Niche, bee-bole el (give details below) Not stone
Features (wher months lengths of well)	Details / notes: Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup Details / notes: onal notes / sketch section	Other (give details be Stile Stile Steps to top step/squeeze wood over wa wood over step other (give details be	elow) Triangle Mortar Gate Farm Horse a Person all one stile halls below)	other (give decails	below) idge Other Arch Niche, bee-bole ei (give details below) Not stone Inscription (give details below)
Features (wher recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup Details / notes: onal notes / sketch section	Other (give details be Stile Stile Style steps to top step/squeeze wood over wa wood over step	elow) Triangle Mortar Gate Farm Horse a Person all one stile halls below)	other (give decails	teliow) idge Other Arch Niche, bee-bole el (give details below) Not stone

						-	-		_			-						-	
Contir	ued:																	315	
												- 1							
Sketc	h plan / :	sections		-								-						N	
																			C.
						-		-	-				Ā						
	100													S (m)	22			- F	
			R.								$\sim 1^{\circ}$								
															A.S.C.				
		1								-									
																-			
-					- 2							-							-
							<	See	T	X									F
	1.822			-					-								4.5%	2	
						_	_												
-	-					-													
					2				17.			×			÷.				
		1																	
		-																	
<u> </u>				15-1		1.12	215	2		-			2						
	2.1				44.5								6						
Ì.				1		r vi							4	1					
															10-3				
-														E.	9.00				
	1 2												1		-			-	
	-								- ö-			1	1			_	5-		÷
	-					1.50					1.5						i i	1	

NAA 32a Field Wall Recording Sheet SITE NAME: West Stonesdale PL SITE CODE: WSP 15 WALL SECTION NO. XV Location: Date: 28/5/15 Anen 21 Surveyed by: menese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) High Side: 1.6 on E side Size At base: 0,7m Low side: 1.6 on w side NI-S below top stones: 0, 4m Construction Stone faced bank Situation double with wall above on earth bank single above double with hedge above by earth bank vertical slab by itself next to ditch Style retaining (give details below) by itself other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes; Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar (larninar, hard, smooth) 0 1/2 Continuous irregular Horizontal Angled uphill 1 3 granity (round, hard, smooth) almost square Vertical Angled downhill coverband combination (give details below) Laminar Angled limestone stones dressed thoroughly Horizontal (laminar/round, lumpy, hard/soft) Boulders Detail V coursed Vertical (fine compressed grains) Dressed random Angled Square Semi circular other (give details below) other (give details below) Triangle other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Niche, bee-bole etc. (give details below) Farm vehicle Arch water at wall junction steps to top Horse Slab rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription (give details below) without stoup wood over stone stile Other (give details below) Features Details / notes: fried wall separating onean 21 k 23. Additonal notes / sketch section N. founds Section BW Photographs CS Film No Digital Main No: 1 Upc 2778 v.1.00 If found please return to: Northern Architeological Associates Ltd, Marwood House, Harmine Enterprise Park, BARNARD CASTLE, Co Durham DL1288N © NAA 2011



Field Wall Recording Sheet NAA 32a SITE CODE: WSPIS WALL SECTION NO. XVT SITE NAME: Wart Stonesdall PL 3/6/15 Location: Date: Anea 33 Surveyed by: Thenese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) Size High Side: 1,65 on side At base: 0,8 NW-SF below top stones: 0.35 Stone faced bank Situation Construction double on earth bank with wall above by earth bank single above double with hedge above next to ditch vertical slab by itself Style V by itself retaining (give details below) other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: **Top Stones** Stone Type Style Stones (laminar, hard, smooth) Laminar No. of through-bands per metre round 0 2 continuous Horizontal Angled uphill irregular granity (round, hard, smooth) 1 3 almost square Vertical Angled downhill other / combination V Laminar coverband Angled ✓ limestone give details below) (laminar/round, lumpy, hard/soft) V Horizontal stones dressed thoroughly Boulders Detail Vertical ✓ coursed sandstone Dressed (fine compressed grains) Angled random Semì circular Square other (give details below) other (give details below) Other (give details below) Triangle Mortar Details / notes: Other Gate Bridge Smoots Wall Head Stile Arch Niche, bee-bole etc. sheep within wall length squeeze Farm vehicle (give details below) Slab at wall junction steps to top Horse water Person Not stone at gate/stile step/squeeze rabbit Inscription with stoup wood over wall (give details below) wood over stone stile without stoup where other (give details below) Features Details / notes: wentermost demeniqued would Additonal notes / sketch section Section marca 33. Quarried Limenone, Minimal weathering 00 Digital VFilm No: BW Film No: CS Film No. Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N @ NAA 2011 Doc 277a v 1.00



 \bar{a}

	NAME: NIN	ant stranger	hall PL	SITE CODE: WSP	15 WA	LL SECTION NO. STIT
ocat	tion:		and in	Date: 3/6/15		
	Ane	a 33			ese Fal	N
	Height (eq. 1	.5m on ESE side)	Width	Treva	10 M	n of wall (eg. NNE + SSW)
Size	<u> </u>	65 on NW si		. 8		
۵,		.65 on SE si		nes: Oily	NE	-SW
_					Oltration	
	Constructio	on	Stone face		Situation	
	double		with wall		on earth	
	single abo		with hedg	je above	by earth	
Style	vertical sla		by itself		by itself	R.c.F
ŝ		give details below) a details below e.g. orthostatic,			(<u>-</u>) -)	
		semi coursed)				
	Destino (noiso					
	Style		Stones	Top Stones		Stone Type
	No. of through	h-bands per metre	round	🔲 Laminar		slatey
	Y .	2 continuous	🗌 irregular	Horizontal []	Angled uphill	(laminar, hard, smooth)
-		3	almost square		Angled downhill	(round, hard, smooth)
	coverband		Laminar		other / combination give details below)	Vimestone
2		essed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/sc
Detail	coursed random		Vertical Angled	Dressed		(fine compressed grains)
	random		other (give details b		Semi circular	other (give details below)
			TTI (general Mice and a second s	Triangle	other (give details below)	
	Details / notes			Mortar	erien (Ron ensure raion)	
6 (when recording lengths of well)	Details / notes Smoots Smoots water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over w other (give de	Mortar Gate Farm vehicl Horse Horse Person rall tone stile	Bridge	(give details below)
ILITES (when reconting Regists of well)	Smoots	Wall Head within wall length at wall junction at gate/stile with stoup	squeeze steps to top step/squeeze wood over w wood over st	Mortar Gate Farm vehicl Horse Horse Person rall tone stile	Bridge e Arch Slab	Niche, bee-bole etc (give details below)
T GBILLIES (when recording lengths of well)	Smoots	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeeze wood over w wood over st	Mortar Gate Farm vehicl Horse Horse Person rall tone stile	Bridge e Arch Slab	Niche, bee-bole etc (give details befow)
Features (when recording lengths of well)	Smoots	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeeze wood over w wood over st	Mortar Gate Farm vehicl Horse e Person rall tone stile talis below)	Bridge e Arch Slab Not str	Niche, bee-bole etc (give details below)
	Smoots	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup st	squeeze steps to top step/squeeze wood over w wood over s other (give de	Mortar Gate Farm vehicl Horse e Person rall tone stile talis below)	Bridge e Arch Slab Not str	Niche, bee-bole etc (give details below)
	Smoots Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup st	squeeze steps to top step/squeeze wood over w wood over s other (give de	Mortar Gate Farm vehicl Horse e Person rall tone stile talis below)	Bridge e Arch Slab Not str	Niche, bee-bole etc (give details below)
	Smoots Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup st	squeeze steps to top step/squeeze wood over w wood over st	Mortar Gate Farm vehicl Horse e Person rall tone stile talis below)	Bridge e Arch Slab Not str	Niche, bee-bole et (give details below)
Features (when recording lengths of well)	Smoots Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup st	squeeze steps to top step/squeeze wood over w wood over s other (give de	Mortar Gate Farm vehicl Horse e Person rall tone stile talis below)	Bridge e Arch Slab Not str	Niche, bee-bole etc (give details below)
	Smoots Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup st	squeeze steps to top step/squeeze wood over w wood over s other (give de	Mortar Gate Farm vehicl Horse e Person rall tone stile tails below) Frend Amen Mea	Bridge Arch Slab Not str 33. M Mern	Niche, bee-bole etc (give details below)
adi	Smoots Sheep water rabbit Details / notes tonal notes / ske	Wall Head within wall length at wall junction at gate/stile with stoup without stoup tch section CS Film Nei:	squeeze steps to top step/squeeze wood over w wood over si other (give de	Mortar Gate Farm vehicl Horse e Person rall tone stile tails below) Frend Amen Mea	Bridge Arch Slab Not str 33. M Anern	Niche, bee-bole et (give details below) Inscription (give details below)



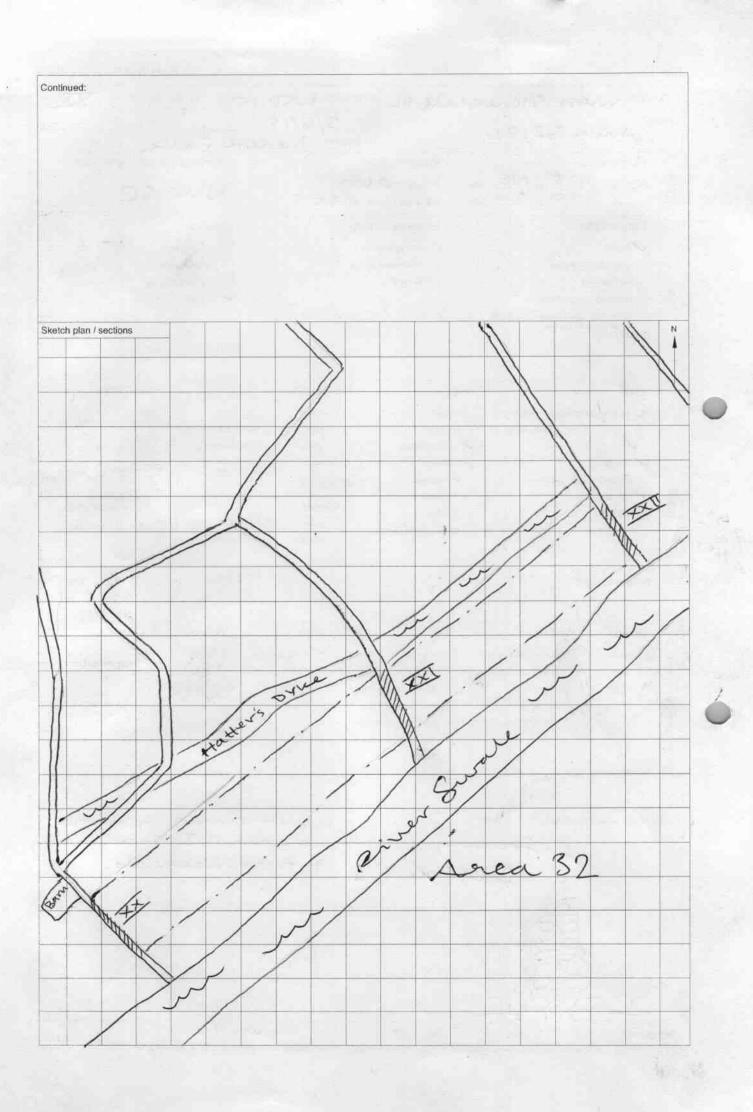
and the	NAME: WO	of Stoneso	Lale PL	SITE CODE: WSP 1	S WAL	L SECTION NO. XVIII
ocat	ion:	a 33		Date: 36/15		
	Ane	a .55		Surveyed by: mene	se Fall	e la
8210		im on ESE side) 9.5 on NVV s 9.5 on SE s				of wall (eg. NNE - SSW)
Style		e double) ve details below) fetails below e.g. orthostatic,	Stone face with wall a with hedge by itself	bove	Situation on earth b by earth b next to ditt 	ank
Detail	0 2 1 3 Coverband		Stones round round regular almost square Laminar Horizontal Vertical Angled other (give details bei	Vertical Ang Angled othic Boulders Dressed Square Ser	gled uphill gled downhill er (combination details below) details below) ni circular Br (give details below)	Stone Type (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/so sandstone (fine compressed grains) other (give details below)
	Details Thereor					
F BB (LifeS (when recomplete lining this of well)	Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wa wood over sto other (give deta	ne stile	Bridge	Other
F 64 UUI 65 (when reconstruct let	 sheep water rabbit 	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeeze wood over wa wood over sto	☐ Farm vehicle ☐ Horse ☐ Person II ne stile	Arch	Niche, bee-bole etc (give details below) e Inscription

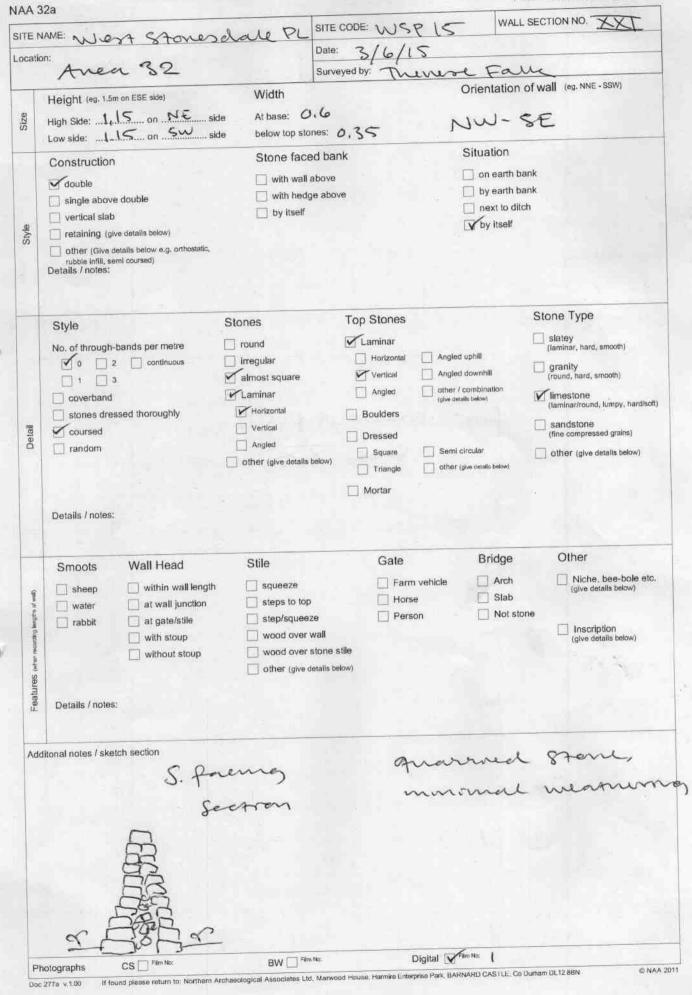


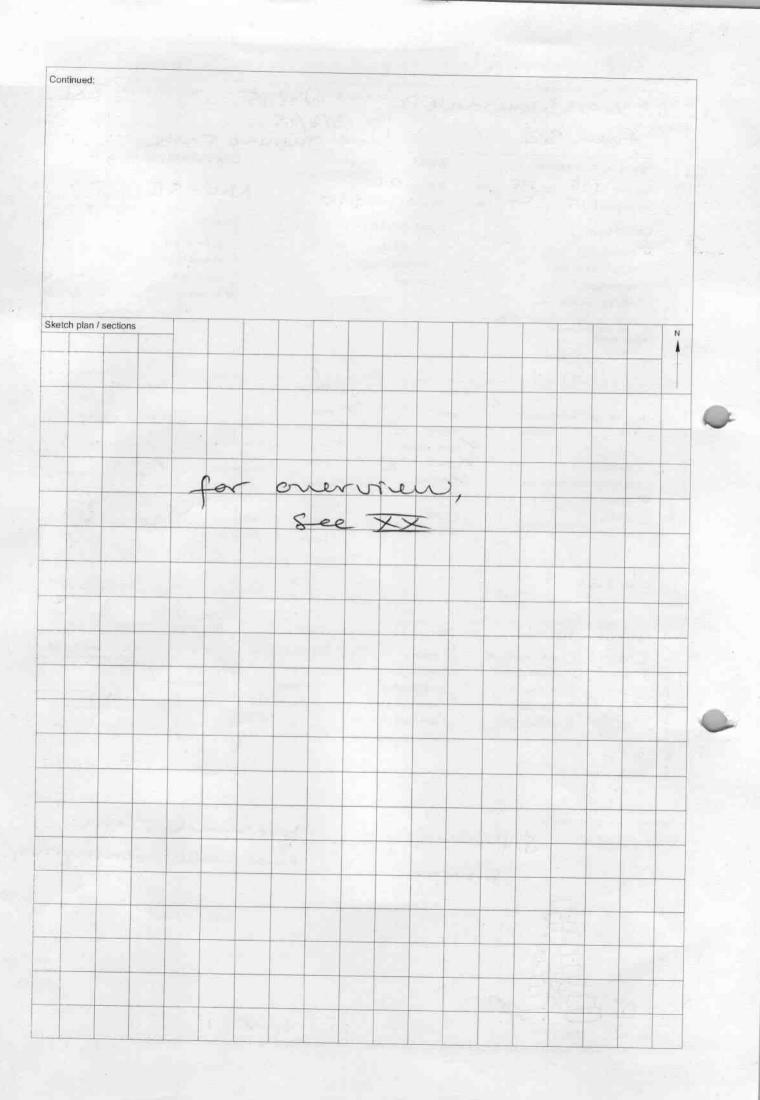
TE						Field Wall Recording Shee
	NAME: NO.	en ener	dale PL	SITE CODE: WSP	IS WAI	L SECTION NO. XXX
cat	tion:	ert stones a 33,26		Date: 3/6/15		
	Ane	a 33,26	,		nese Fa	ue
0170	Height (eg. 1 High Side:	.5m on ESE side) <u>3</u> on <u>NE</u> s <u>3</u> on <u>SW</u> s	Width ide At base: C	2,65 ines: 0,3	Orientation	n of wall (eg. NNE - SSW)
+	Constructio		Stone face		Situation	
alylic	double single abc vertical sla retaining (other (Give	ove double ab give details below) e details below e.g. orthostatic, semi coursed)	 with wall a with hedg by itself 	above	on earth t	bank
-	Chulo		Stones	Top Stones		Stone Type
	Style		Stones			
Detail	0 1 1 coverband stones dri coursed random Details / notes Smoots	3 d essed thoroughly	round rregular almost square almost square Laminar Ventcal Angled other (give details be Stile squeeze steps to top	Laminar Horizontal Horizontal Horizontal Angled Moressed Nortar Gate Farm vehi Horse	Slab	Slatey (laminar, hard, smooth) granity (round, hard, smooth) Flimestone (laminar/round, lumpy, hard/soft) sandstone (fine compressed grains) other (give details below) Other (give details below)
their recording lengths of well?	water	at wall junction at gate/stile with stoup without stoup	step/squeeze	all	Not sto	Inscription (give details below)
D. FBBIURES (when recording lengths of well)	water	at gate/stile with stoup without stoup	step/squeeze	all one stile tails below) Ease Man Afr Wea	erumor ia 33, om are mered,	Inscription



NAA 32a Field Wall Recording Sheet SITE CODE: WSP 15 SITE NAME: When Stonesdall PL WALL SECTION NO. Location: Date: 3/6/15 Anea 32,26 Surveyed by: Thenese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) High Side: 125 on NE side Size At base: 0,65 NW-SE Low side: 1,25 on SW side below top stones: 0.35 Construction Situation Stone faced bank double with wall above on earth bank single above double with hedge above by earth bank vertical slab next to ditch by itself Style retaining (give details below) by itself other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Top Stones Stone Type Style Stones Laminar (laminar, hard, smooth) No. of through-bands per metre round 0 2 continuous irregular Horizontal Angled uphill granity (round, hard, smooth) V1 13 almost square Vertical Angled downhill other / combination coverband Laminar Angled Vimestone stones dressed thoroughly V Horizontal (laminar/round, lumpy, hard/soft) Boulders Detail Vertical V coursed sandstone Dressed fine compressed grains) random Angled Square Semi circular other (give details below) other (give details below) Triangle other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other Sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole etc. (give details below) steps to top Horse Slab at wall junction water rabbit at gate/stile step/squeeze Person Not stone Inscription with stoup wood over wall (give de tails below) wood over stone stile without stoup other (give details below) Features Details / notes: uenen most firdwale at area 32, separating it from area 26. Additonal notes / sketch section E Jaemy Sectron CS Film No. BW Film No: Digital VIIIm No: 1 Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL1288N © NAA 2011 Doc 277# v 1.00





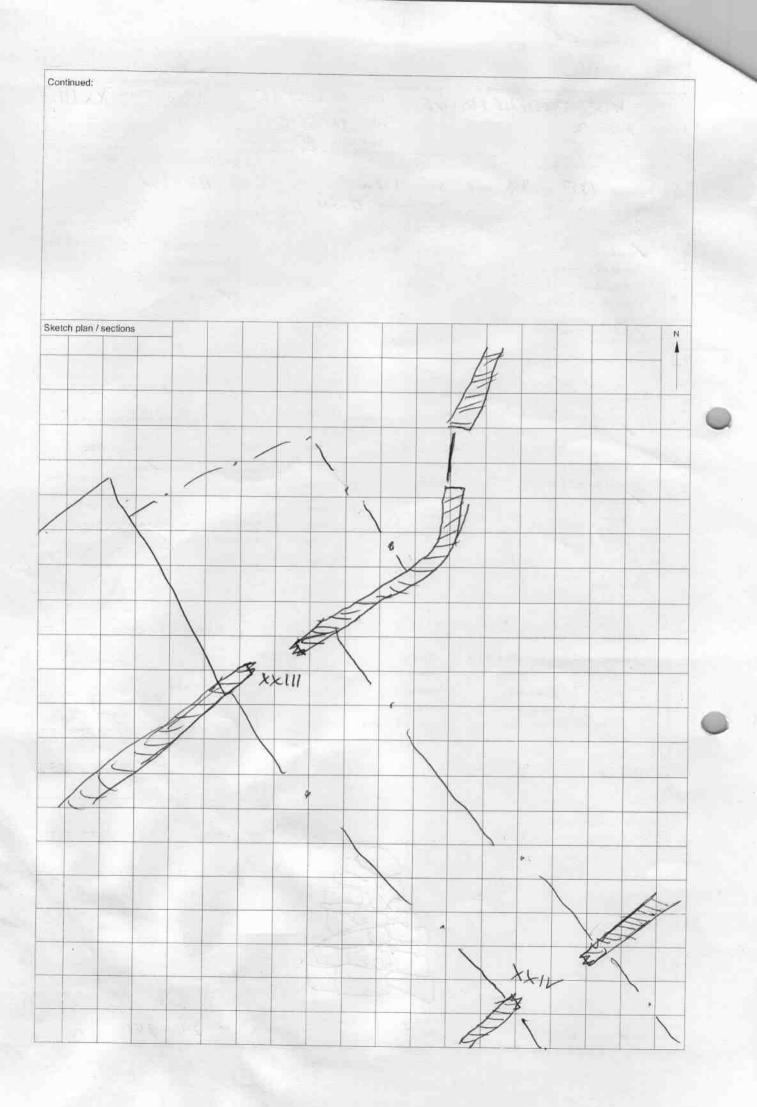


U

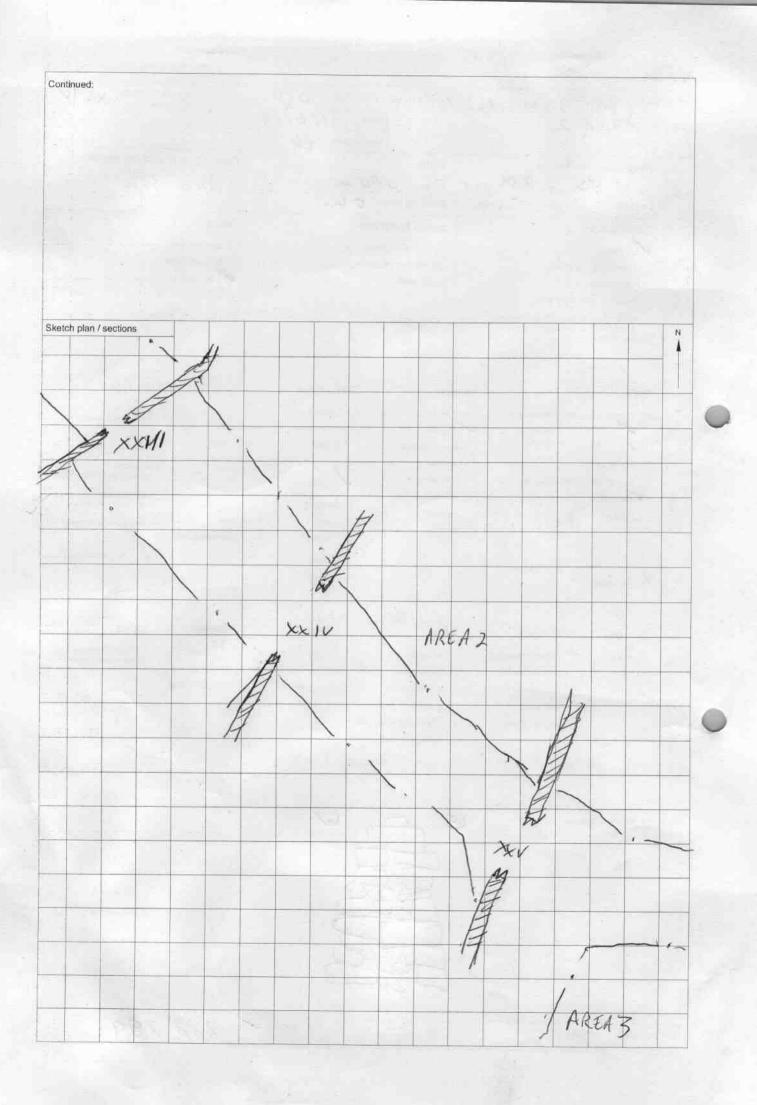
	on: An a a	u \$2,3	dale PL S	ate: 3/6/15	-	A
	Ave	m 5413	s (urveyed by: The	rese Fa	
	Height (eg. 1.5n High Side:	n on ESE side) 9 on NE sk 9 on SW sid	Width de At base: 📿 4 de below top stones	Contract and the	Orientation	ofwall (eg. NNE-SSW) - SE
	Construction		Stone faced	bank	Situation	
ł	double		with wall abo	ve	🗌 on earth ba	ank
	single above	double	with hedge a		🗌 by earth ba	ink
	vertical slab	Good	by itself		next to ditc	h
alin	retaining (giv	e details below) stails below e.g. orthostatic, mi coursed)			by itself	
+	Style		Stones	Top Stones		Stone Type
		pands per metre	round	🔲 Laminar		(laminar, hard, smooth)
		continuous	irregular	Horizontal	Angled uphill	(laminar, nard, smooth)
	V1 03		Valmost square	վ Vertical	Angled downhill	(round, hard, smooth)
	coverband		Laminar	Angled	other / combination (give decails below)	Vimestone
		sed thoroughly	Rorizontal	Boulders		(laminar/round, lumpy, hard/so
Detail	coursed		Vertical	Dressed		(fine compressed grains)
å	random		Angled		Semi circular	other (give details below)
	Annual Contraction of			Square	and sectors, sectors and the sectors of the sectors	
	Details / notes:		other (give details belo give details belo		Cther (glvo cetalls below)	
Features (when recording lengths of well)	Details / notes: Smoots sheep water nabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	other (give details belo	M) Triangle Mortar Gate Farm veh Horse Person ne stille	other (give details below) Bridge	Other
Features (when recording lengths of v	Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Stile Stips to top Step/squeeze Wood over wal Wood over stor	M) Triangle Mortar Gate Farm veh Horse Horse Person is below)	other (give details below) Bridge idle Arch Slab Not stor	Other Niche, bee-bole etc (give details below) ne Inscription (give details below)
Features (when recording lengths of v	Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Stile Stips to top Step/squeeze Wood over wal Wood over stor	M) Triangle Mortar Gate Farm veh Horse Horse Person is below)	other (give details below) Bridge idle Arch Slab Not stor	Other Other Other Other Inscription

	201	Ú.														
Continued:													- 1 -	2.75		
ketch plan /	section	ıs	1	TP	1		1	1	1	1	-	1		1	-	N
																4
			2.5				÷									
		1 1 2 3											-	-	-	12
									74					12-0		
		1.5	-	-		-	-					 		_		
					fo	r	on	Ler	- v	ler	1			1.5		
					1						T/					
-		1.76					5	ee	X	X						
-		1			Ε.					1		1		1		
													-			
-		-			-		-				1					
				1	1	÷.,	12				1.	1.00			1.5	
		-									1.1	1				
			-12	1		-									174	
										-						-
	-											100				
			1.				1.00	÷.,	1		1					
*		2		-								 -				
										-						
					~	1-2								-		1
-	-		-								1.0.11	38				
	2										-					
		1														
						í.	-			_						
		-											1			
										_						
									-						4C (
														1.00		

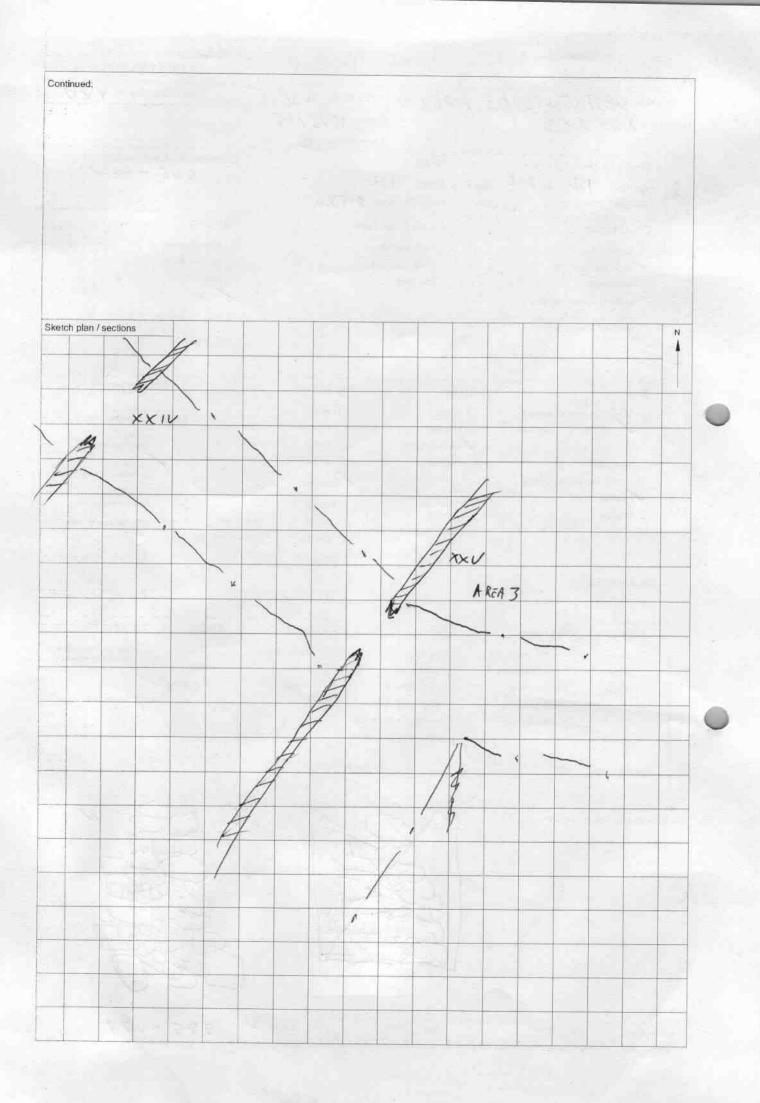
11-1	NAME: WEST	STONESWALL	PIDELIVE	SITE CODE: WSP1	1	SECTION NO. XX 111
cati		STONES DALE	1100100	Date: 16/6/15		
	AREA	~		Surveyed by:		
-	Height (eg. 1.5	m on ESE side)	Width		Orientation	of wall (eg. NNE - SSW)
5710		3.5 on Both si	de≰ Atbase: [1.2m	NE -	-sw
5		on si		tones: 0.5M		And the second
+	Construction		Stone fac	ed bank	Situation	
	double		with wal		on earth ba	ank
1	single abov	e double		dge above	by earth ba	ank
	vertical slab		by itself		next to dite	ch
Style	retaining (gi	ive details below)			Pby itself	
	rubble infill, se	details below e.g. orthostatic, emi coursed)				
	Details / notes:					
	Style		Stones	Top Stones		Stone Type
		-bands per metre	round	Laminar		Slatey
			irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
		3	almost square	Vertical	Angled downhill	(round, hard, smooth)
	coverband		Laminar	Angled] other / combination (give details below)	limestone (taminar/round, lumpy, hard/s
-	stones dres	ssed thoroughly	Vertical	Boulders		sandstone
Detail	Coursed			Desend		(fine compressed grains)
0	random		Angled	Dressed		
ã	🔲 random		Angled	s below)	Semi circular other (give details below)	Other (give details below)
	Details / notes:			Square	and the second second	other (give details below)
	Details / notes: Smoots	Wall Head	Stile	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
	Details / notes: Smoots	Wall Head within wall length at wall junction at gate/stile	Stile Stile Steps to to Step/squeeze	s below) Square	other (give details below) Other (give details below) Bridge hicle	Other
	Details / notes: Smoots	Wall Head	Stile Stile Steps to to Step/squee Step/sque	s below) Square	other (give details below) Bridge hicle Arch Slab	Other Niche, bee-bole et (give details below) ne
	Details / notes: Smoots	Wall Head within wall length at wall junction at gate/stile with stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
	Details / notes: Smoots Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
	Details / notes: Smoots	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
	Details / notes: Smoots Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to to Step/squee wood over wood over wood over	s below) Square	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of well)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of well)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of well)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square Triangle Mortar Gate Farm vel Horse eze Person wall r stone stile details below)	other (give details below) Bridge hicle Arch Slab	Other
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (give details	s below) Square	other (give denails below) Bridge hicle Arch Slab Not sto	Other



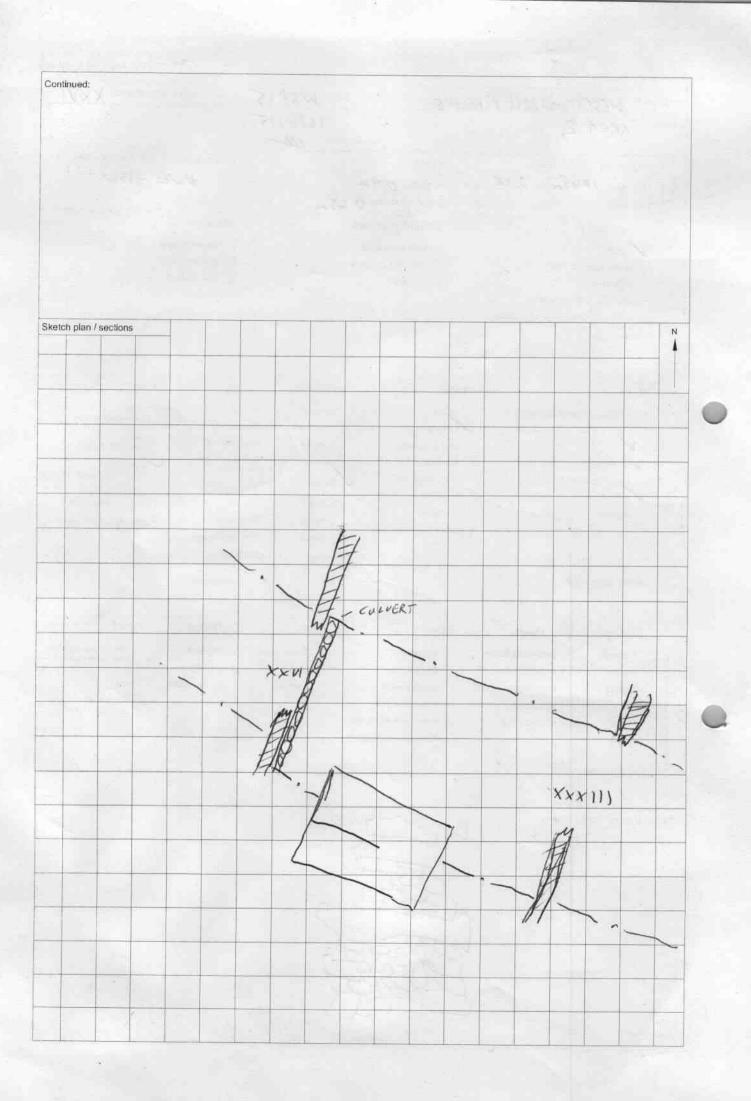
High Side: Low side: Construct double single at vertical s retaining other (Gi rubble infil Details / note	ove double lab (give details below) ve details below e.g. onthostatic semi coursed) s: gh-bands per metre 2 continuous 3 a ressed thoroughly	side below top stones: Stone faced ba	Top Stones Laminar Hortzontal Angle Vertical Angle Angled other glue or Boulders Dressed Square Semil	Orientation of NNE Situation on earth bar by earth bar Whex to ditch by itself by itself downhill / combination main below) circular (give details below)	nk Ik
Low side: Construct double single at vertical s retaining other (Gi rubble infin Details / note Style No. of throu I I coverba stones o coursed random Details / not	ononon	side below top stones: Stone faced ba with wall above with hedge abo by itself Stones round irregular almost square Laminar Horizontal Vertical Angled	0.4 m ank ove Drep Stones Laminar Hortzontal Angled Other Boulders Dressed Square Semil Triangle other	Situation on earth bar by earth bar by earth bar by itself by itself d uphill d downhill / combination erails below) circular	Stone Type Stone Type Slatey (laminar, hard, smooth) Granity (round, hard, smooth) Immestone (laminar/round, lumpy, hard/so Sandstone (fine compressed grains)
Coverbal Style No. of throw Style No. of throw Throw Style No. of throw Throw Coverbal Stones o coursed random Details / not Smoots sheep water rabbit Details / not	ove double lab (give details below) ve details below e.g. onthostatic semi coursed) s: gh-bands per metre 2 continuous 3 a ressed thoroughly	 with wall above with hedge above by itself by itself Stones round irregular almost square Laminar Horizontal Vertical Angled 	Top Stones Laminar Horizontal Angle Vertical Angle Vertical Angle Other Soulders Dressed Square Semi Triangle other	 on earth bar by earth bar by earth bar by earth bar by itself by itself 	Stone Type slatey (laminar, hard, smooth) granity (round, hard, smooth) immestone (laminar/round, lumpy, hard/sc sandstone (fine compressed grains)
	lab (give details below) re details below e.g. orthostatic semi coursed) S: gh-bands per metre 2 continuous 3 a nd ressed thoroughly	Stones Fround Firregular Firregul	Top Stones Laminar Horizontal Angle Vertical Angle Vertical Angle Soulders Boulders Dressed Square Semi Triangle other	by earth bar	Stone Type slatey (laminar, hard, smooth) granity (round, hard, smooth) immestone (laminar/round, lumpy, hard/sc sandstone (fine compressed grains)
	lab (give details below) re details below e.g. orthostatic semi coursed) S: gh-bands per metre 2 continuous 3 a nd ressed thoroughly	by itself by itself Stones round round rirregular almost square Laminar Horizontal Vertical Angled	Top Stones Laminar Hortzontal Angle Vertical Angle Vertical Angle Angled other Boulders Dressed Square Semil Triangle other	by itself by itself d uphill d downhill / combination erails below)	Stone Type slatey (lamihar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/si sandstone (fine compressed grains)
Coverbal Style No. of throu Style No. of throu Style No. of throu Stores o coverbal stores o random Details / not Smoots sheep water rabbit Details / not	(give details below) ve details below e.g. onthostatic semi coursed) S: gh-bands per metre 2 continuous 3 a d ressed thoroughly	Stones round round almost square Laminar Horizontal Vertical Angled	Laminar Horizontal Angle Vertical Angle Angled other Boulders Dressed Square Semi Triangle other	by itself	Stone Type slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/se sandstone (fine compressed grains)
	re details below e.g. onhostatic , semi coursed) s: gh-bands per metre [2	Stones round rregular almost square Laminar Horizontal Vertical Angled	Laminar Horizontal Angle Vertical Angle Angled other Boulders Dressed Square Semi Triangle other	ed uphili ed downhili / combination erails below) circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains)
No. of throw	2 continuous 3 nd ressed thoroughly	 round irregular almost square Laminar Horizontal Vertical Angled 	Laminar Horizontal Angle Vertical Angle Angled other Boulders Dressed Square Semi Triangle other	ed downhill / combination enails below) circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains)
Details / not Smoots Smoots Details / not Details / not	2 continuous 3 nd ressed thoroughly	irregular almost square Laminar Horizontal Vertical Angled	Horizontal Angle	ed downhill / combination enails below) circular	 (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains)
	a and thoroughly	almost square Laminar Horizontal Vertical Angled	Vertical Angle Vertical Angle Angled other Boulders Dressed Square Semi Triangle other	ed downhill / combination enails below) circular	granity (round, hard, smooth) Iimestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains)
	nd ressed thoroughly	Laminar Horizontal	Angled other	/ combination main below) circular	Iimestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains)
	ressed thoroughly	Horizontal Verlical Angled	Boulders Dressed Square Semi Triangle other	circular	(laminar/round, lumpy, hard/s sandstone (fine compressed grains)
Details / not Smoots Smoots Sheep water rabbit Details / not	95:	Angled	Dressed Square Semi Triangle other		(fine compressed grains)
Details / not Smoots Smoots Sheep water rabbit Details / not	95:		Triangle other		C other (give details below)
(International Section 2014) Section 2014 (International Section 2014) S	95.			(give details below)	
(International Section 2014) Section 2014 (International Section 2014) S	15:		Mortar		
w y water water rabbit Details / no	Wall Head	Stile	Gate	Bridge	Other
by water water autom generation	within wall lengt	th 🗌 squeeze	Farm vehicle	Arch	Niche, bee-bole et
	at wall junction	steps to top	Horse	Slab	
	at gate/stile	step/squeeze	Person	Not stone	Inscription
	without stoup	wood over stone :	stile		(give details below)
		other (give details be	elow)		
	art				
dditonal notes / s	53.				
dditonal notes / s			1/	-	
	etch section	VE pa) car		
		rtan	4		
		17	I		
		KSQ0	A.		
		Loui	4		
		Ent	DI		
		1300	Sol .		
		LADOL			



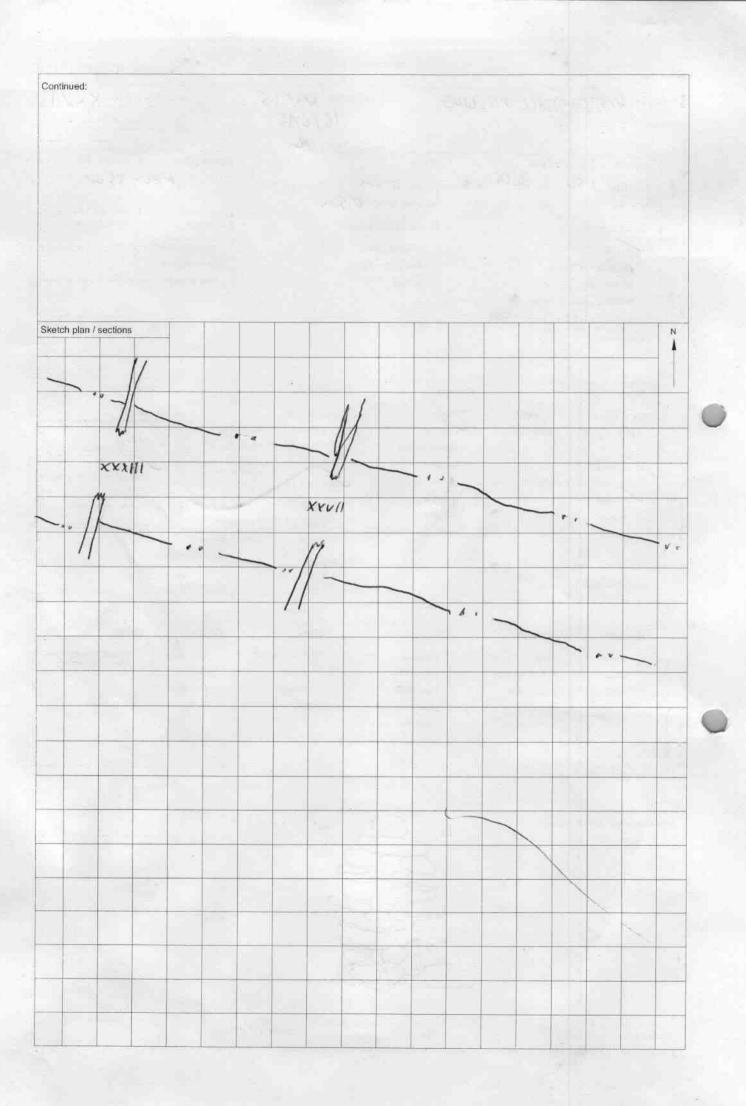
TEI	NAME: WESTS!	TONESDAIF	PIPELINE	SITE CODE: WSPIS	WALL	SECTION NO. XXV
_	on: AREA 21		The come	Date: 16/6/15		×
	nor production	/		Surveyed by:		
SIZE	Height (eg. 1.5m on E High Side:	on . Both sid		1 m ones: 0.55m	Orientation o	of wall (eg. NNE-SSW) VE - SSW
-					Situation	
Style	Construction double single above dou vertical slab retaining (give det other (Give details rubble infill, semi cou Details / notes:	alls below) below e.g. orthostatic,	Stone fac	l above lge above	 on earth ba by earth ba next to ditcl by itself 	nk
-			Star 10	Ton Stopps		Stone Type
	Style		Stones	Top Stones		
Detail	No. of through-band 0 2 1 3 coverband stones dressed coursed	continuous	round rregular almost square Laminar Horizontal Vertical Angled	Vertical	Angled uphill Angled downhill other / combination (dwe ascalls below)	Slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/sc sandstone (fine compressed grains)
			other (give details	below)	CARLES OF THE CONTRACTOR AND A	other (give details below)
	Details / notes:			Triangle (other (gw dealk below)	
		/all Head	Stile		Bridge	Other
Features (when recording lengths of well)		/all Head] within wall length] at wall junction] at gate/stile] with stoup] without stoup	Stile squeeze steps to top step/squee wood over wood over other (give o	Mortar Gate Farm vehicle Gate Farm vehicle Farm vehicle Farm vehicle Store stille	Bridge	Niche, bee-bole etc (give details below)
Features (when recording lengths of v	Smoots W sheep water rabbit] within wall length] at wall junction] at gate/stile] with stoup] without stoup	squeeze steps to top step/squee wood over wood over	Mortar Gate Farm vehicle Gate Farm vehicle Farm vehicle Farm vehicle Store stille	Bridge le Arch Slab	Niche, bee-bole etc (give details below) e



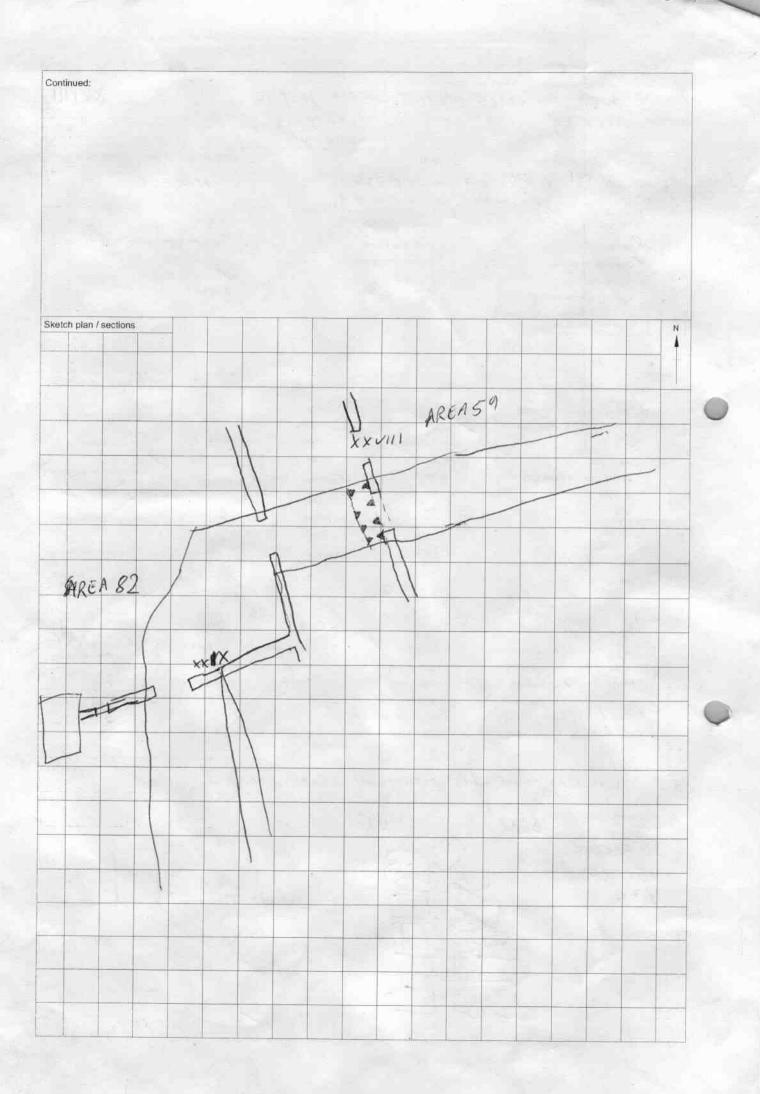
(C)	NAME: WEST		reing	SITE CODE: WSP 15		
cati	on: <i>RREA</i>	2		Date: 16/6/15		
)		Surveyed by:		
	Height (eg. 1.5	m on ESE side)	Width			of wall (eg. NNE - SSW)
20174	High Side:	45 mon Doth si	de 🗲 At base: 🛛	7.9m	NN	IE-SSW
2		on si	de below top sto	ones: 0-45m		
-	Construction		Stone fac		Situation	
			with wall		on earth b	ank
Т	double		<u> </u>	ge above	by earth b	
	vertical slab		by itself	go aboro	next to dite	ch
SIYIB	Contraction of the second	ve details below)			by itself	
a		ietails below e.g. orthostatic,				
	Style		Stones	Top Stones		Stone Type
		bands per metre	round	Laminar		slatey (laminar, hard, smooth)
	⊡ º □ ²	o an	irregular		gled uphill	granity
	1 🗆 3		almost square	<u> </u>	gled downhill	(round, hard, smooth)
	coverband		Laminar		er / combination = ortalls below)	limestone (laminar/round, lumpy, hard/si
-	_/	ssed thoroughly	Vertical	Boulders		□ sandstone
Detail	coursed		Angled	Dressed		(fine compressed grains)
61 C	condom					
	random		other (give details	below)	mi circular	other (give details below)
1	Details / notes:			below)	mi circular	other (give details below)
is of weak)		Wall Head within wall length at wall junction at gate/stile with store	Stile Stile steps to top step/squeeze	below) Triangle oth Mortar Gate Farm vehicle Horse ze Person		Other Other Niche, bee-bole et (give details below) ne Inscription
is of weak)	Details / notes: Smoots	within wall length	Cother (give details	below) Triangle oth Triangle oth O	Bridge	Other
is of weak)	Details / notes: Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile Stile Steps to top Step/squeeze wood over	below)Triangleoth Mortar Gate Farm vehicle Horse zePerson wall stone stile	Bridge	Other Other Niche, bee-bole et (give details below) ne Inscription
is of weak)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 		below)Triangleoth Mortar Gate Farm vehicle Horse zePerson wall stone stile	Bridge	Other Other Niche, bee-bole et (give details below) ne Inscription
(Jaw	Details / notes: Smoots	 within wall length at wall junction at gate/stile with stoup without stoup 		below)Triangleoth Mortar Gate Farm vehicle Horse zePerson wall stone stile	Bridge	Other Other Niche, bee-bole et (give details below) ne Inscription
is of weak)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 		below)Triangleoth Mortar Gate Farm vehicle Horse zePerson wall stone stile	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below)Triangleoth Mortar Gate Farm vehicle Horse zePerson wall stone stile	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 		below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Other Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Niche, bee-bole et (give details below) ne Inscription
Features (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Cother (give details	below) Triangle oth Mortar Gate Farm vehicle Horse Ze Person wall stone stile tetails below)	Bridge	Other Other Other Other Inscription



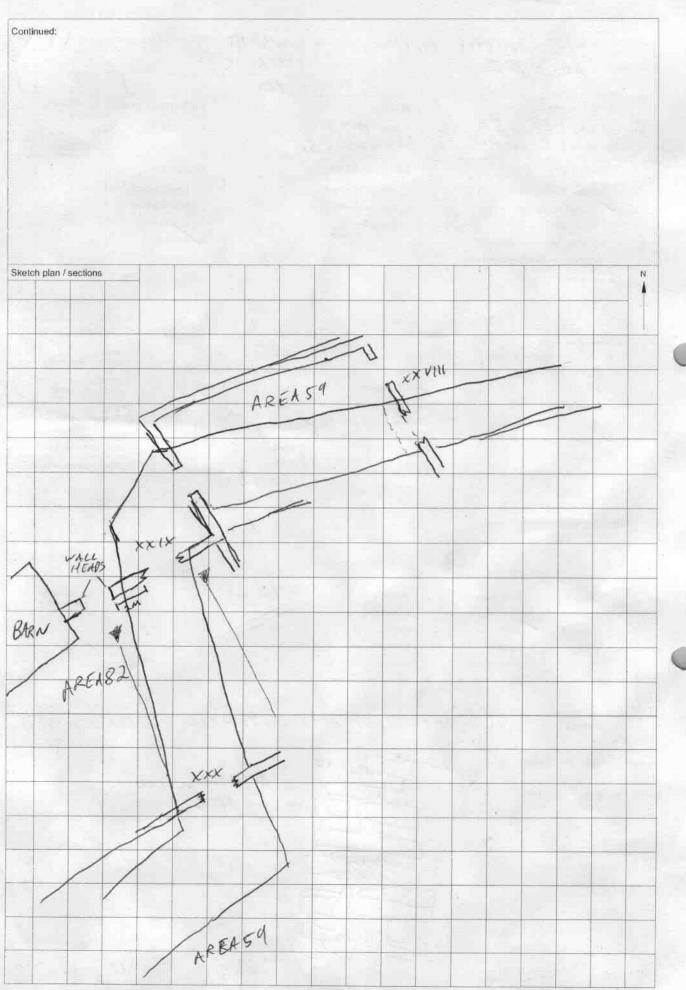
_	NAME: WEST (TONESDALE PIPE	TUNE	SITE CODE: WS	15 W	ALL SECTION NO. XXVII
cat		10. 0701100 7		Date: 16/6/	-	
				Surveyed by:		
2010		im on ESE side) 50on <u>Bottk</u> sion	승규는 이 공장 이 물을 통		Orientatio	NNE-SSW
-			Stone fac		Situation	
BING		e double) ive details below) details below e.g. orthostatic,	i with wall	CE-CEC	on earth by earth next to	h bank h bank ditch
			Channel	Too Stopes		Stone Type
	Style		Stones	Top Stones		
Detail	o coverband stones dres coursed random		 round irregular almost square Laminar Horizontal Vertical Angled other (give details) 	Laminar Horizontal Vertical Angled Boulders Dressed Square Square Triangle	Angled uphili Angled downhili ather / combination (give details below) Semi circular other (give details below)	 slatey (laminar, hard, amooth) granity (round, hard, smooth) Himestone (laminar/round, lumpy, hard/sot sandstone (fine compressed grains) other (give details below)
Features (when recording lengths of well)	Details / notes: Smoots Smoots water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over s other (give d	ze Ders wall stone stile	The second s	(give details below)
	Smoots Smoots Sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeez wood over v wood over s	E Farm	n vehicle 📄 Arch e 📄 Slab	Niche, bee-bole etc (give details below) stone



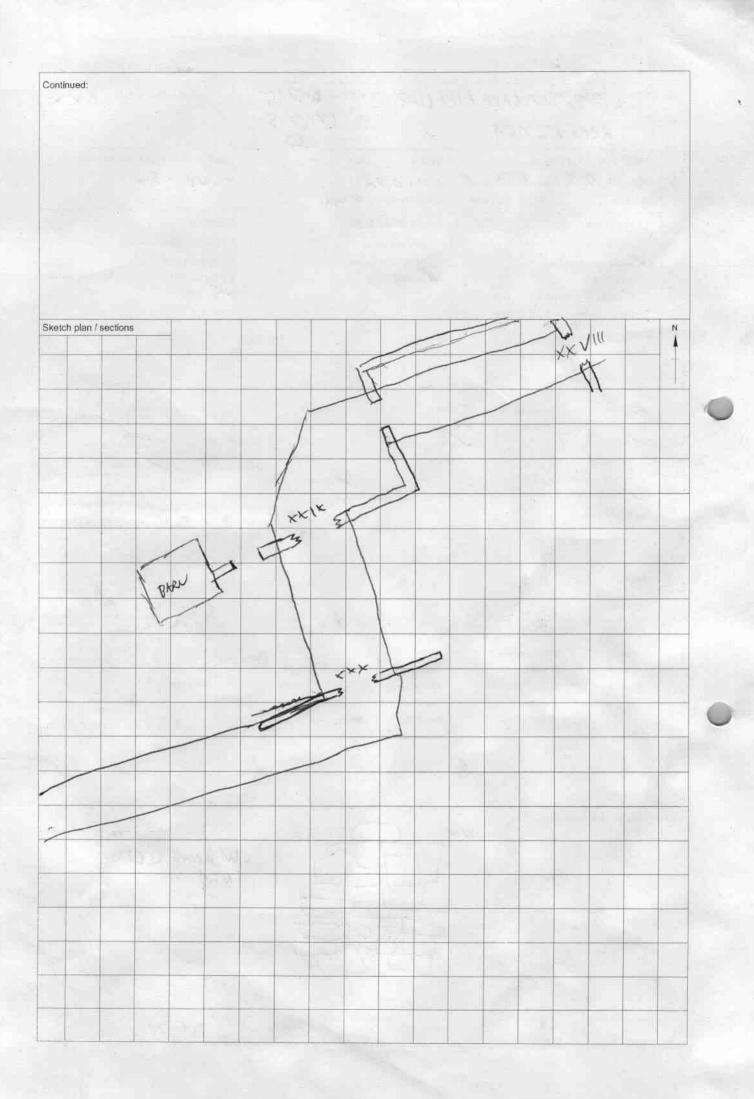
Field Wall Recording Sheet NAA 32a WALL SECTION NO. XX VIII WEST STONES DALE FIFELINE SITE CODE: WS1 15 SITE NAME: Date: 1716115 Location: AREA 59 Surveyed by: NO Orientation of wall (eg. NNE - SSW) Width Height (eg. 1.5m on ESE side) High Side: 1-1 on Both side 5 Size At base: 0.75 M NW-SE below top stones: 0. 6 M Low side: on side Stone faced bank Situation Construction on earth bank double with wall above 🗌 by earth bank single above double with hedge above next to ditch by itself vertical slab D by itself Style retaining (give details below) other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Stone Type Stones Top Stones Style (laminar, hard, smooth) Laminar round No. of through-bands per metre Horizontal Angled uphill Trregular 0 2 continuous granity (round, hard, smooth) Angled downhill 1 3 almost square Vertical Angled other / combination Laminar limestone coverband (laminar/round, lumpy, hard/soft) Horizontai stones dressed thoroughly Boulders Vertical (fine compressed grains) Detail coursed Dressed Angled random Square Semi circular other (give details below) other (give details below) Triangle other (give details below Mortar Details / notes: Other Bridge Stile Gate Wall Head Smoots Niche, bee-bole etc. Arch Farm vehicle squeeze sheep within wall length (give details below) Slab Horse at wall junction steps to top water Not stone Person step/squeeze at gate/stile rabbit Inscription with stoup wood over wall (give details below) without stoup wood over stone stile other (give details below) Features Details / notes: WALL HEAD TO NORTHWEST - FORTRACK WAY 1.3. High of this point Additional notes / sketch section NUT E W SE FACING SECTION 2.3m NTS. Digital Film No 362-363 CS Film No: Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park: BARNARD CASTLE, Co Durham DI, 12 88N © NAA 2011 Doc 277a v.1.00



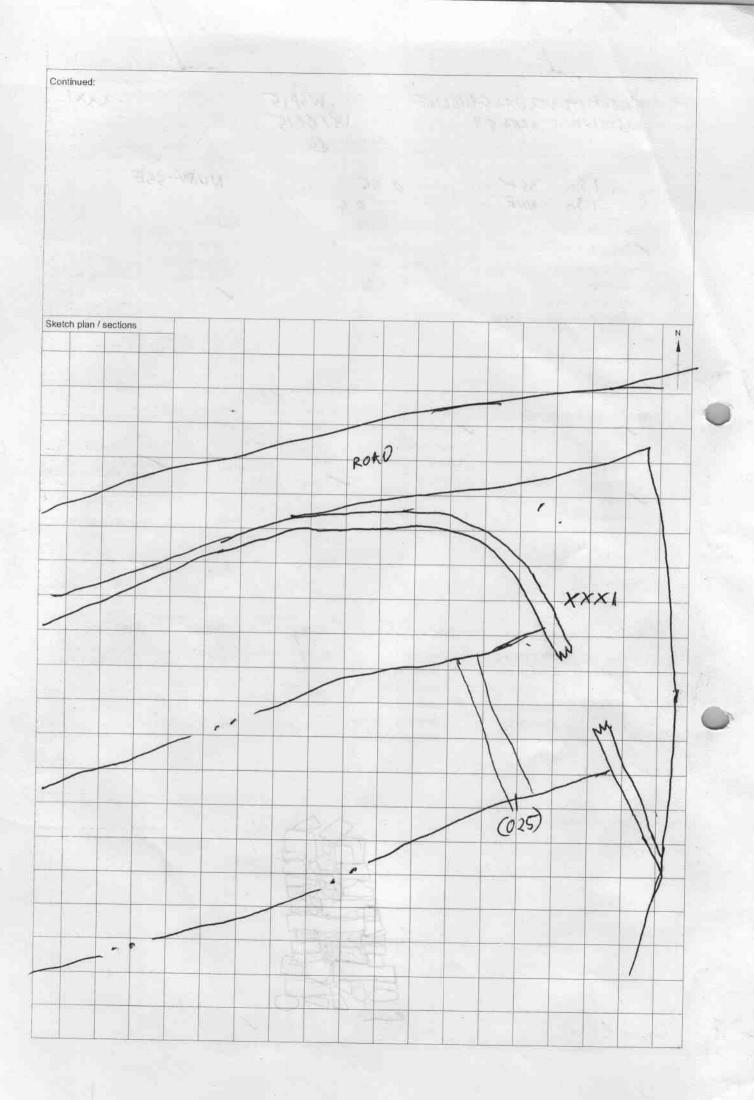
Cocation: AREA 87 Date: 1776/15 Surveyed by: 45 Orientation of wall (eq. NNE AREA 87 Date: 1776/15 Surveyed by: 45 Orientation of wall (eq. NNE NE - 5 W below top stones: 0.5 Construction double with wall above with hedge above by earth bank on earth bank on earth bank orient orient bank	don: AREA 872 Date: 1716/115 Surveyed by: Attass: Orientation of wall (eq.NNE-SSW) Height (eq.15m on ESE ato) Midth Orientation of wall (eq.NNE-SSW) Hun State: I.S on Mid. state Date: Orientation of wall (eq.NNE-SSW) Construction Stone faced bank Situation double with wall above on earth bank with eagle above double with wall above on earth bank with eagle above by earth bank by earth bank with eagle above by earth bank by earth bank with wall above on earth bank by earth bank with regular one contraction by itself one contraction of through-bands per metre round Laminar Angled upbill granify of o continuous regular Angled upbill granify (mont, func,			PIPELINE	SITE CODE: . //	115 WAI	I SECTION NO LEL /
Height (eg. 1.5m on ESE aske) Width Orientation of wall (eg. NNE - 80 High Side:	Height (re, 1.5m on ESE add) Width Orientation of wall (re, NNE-5300) High Site:	n: ARE	e1 82	111 6	SHECODE. W)	r15	LE SECTION NO. XX()
Surveyed by: Midth Orientation of wall (eg. NNE- High Side:	Surveyed by: ## Height (res. tim on ESE usin) Width Orientation of wall (res. NNE - 55W) High Star: IS. on N.L		KO/-		Date: 17/6	115	
High Side:	High Size: J.:Son S.Eside At base: 0.744 NEE - SW Low side: J.:Son .M.M. side Delow top stones: 0.556 Construction Stone faced bank Delow top stones: 0.556 double With wall above Delow top stones: 0.556 Verical stab Delow op stones: 0.556 of the (the dealls below) Delow op stones: Delow op stones: Delow op stones: Delails / notes: Stones Top Stones Stone Type Style Stones Top Stones Stone / Stones/ Stores No. of through-bands per metre Crund Laminar Angled upfill 0 0 2 continuous Pregular Vertical Angled downhill Other / Stones/ Stard, mooth) 0 other / continuous Brandstone Delower and stard, mooth) Gene metre Balas / notes: 0 other / continuous Brandstone Delower and stard, mooth) Gene metre Balas / notes: 0 other / continuous Brandstone Delower and stard, mooth) Gene metre Balas / notes: Brandstone 0 other / give dealis below) Delower and Bag				Surveyed by:		
Low side:	Low side:					Orientation	n of wall (eg. NNE - SSW)
Low side:	Low side: I.i.Son MMU side below top stones: 0.5 M Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction	High Side:	65 on SE s	ide At base: 0	·7.11	NE	5-54
Outsid double Gouis a double with wall above with hedge above by earth bank cheating (give details below) dother (Give details below eq. orthostatic, ubble infill, semi coursed) Style Stones Top Stones Stone Type No. of through-bands per metre round Larninar angled uphili granity 0 2 continuous Irregular Horizontal Angled uphili granity granity 1 3 almost square Verical other / combination give easis below timeschone timeschone timeschone time compressed other (give details below) Tringle other (give details below) Tringle other (give details below) Mortar	Gouble with wall above with wall above with wall above by earth bank pest to ditch with wall above by itself Style Stones Top Stones Stone No. of through-bands per metre organd Laminar almost square 0 2 continuous intregular states 0 2 continuous intregular almost square angled uphil 0 2 continuous intregular almost square angled intregular angled intregular intregular 0 2 continuous intregular Angled intregular angled intregular intregul	Low side:	5 on NW s	ide below top sto			
generalized generalized generalized generalized generalized generalized<	□ double □ with wall above □ on earth bank □ with hedge above □ by earth bank □ other (ide seatus below) □ other (ide seatus below ag, orbetation, and, smooth) □ other (ide seatus below ag, orbetation, and smooth) □ other (ide seatus below, ag, orbetation, and, smooth) □ other (ide seatus below, ag, orbetation, and, smooth) □ other (ide seatus below, ag, orbetation, and, smooth) □ other (ide seatus below, ag, orbetation, and, smooth) □ almost square □ other (ide seatus below, ag, orbetation, and, smooth) □ almost square □ other (ide seatus below, ag, orbetation, and, smooth) □ almost square □ other (ide seatus below, and, smooth) □ almost square □ other (ide seatus below, and, smooth) □ other (ide seatus below, and, smooth) □ other (ide seatus below, and, smooth) □ other (ide seatus below, and, smooth) □ other (ide data below, and) □ other (ide seatus below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and) □ other (ide data below, and)	Construction	1	Stone fac	ed bank	Situation	
Style Style Stones Top Stones Stone Type Image: state of the state of	¹ single above double ¹ with hedge above ¹ by itself ¹ vertical slab ¹ by itself ¹ py itself ¹ ortaining (give details below) ¹ by itself ¹ py itself ¹ ortaining is endiconcese() ¹ by itself ¹ py itself ¹ ortain semiconcese() ¹ ortaining ¹ ortaining ¹ ortaining ¹ ortain ¹ ortaining ¹ ortaining ¹ ortaining ¹ ortaining ⁰ or 2 ¹ continuon ¹ ortaining ¹ ortaini			with wall	above	🗌 on earth t	bank
verical slab • verical slab • by itself • retaining (give details below) • other (Give details below) • other (Give details below) • Details / notes: Style Stones No. of through-bands per metre • round • irregular • Horizontal • 0 2 continuous • 1 3 • almost square • ocverband • Laminar • ocverband • Laminar • stones dressed thoroughly • Horizontal • coursed • vertical • random • Angled • random • Angled • random • datalis below) • other (give details below) • other (give details below) • Mortar • Details / notes:	• vertical slab □ by itself □ next to ditch □ retaining (give dealls below e.g. orthostride, radbit sink, semi counsed) □ by itself □ by itself Style Stones Top Stones Stone Type □ 0 2 □ continuous □ regular □ hericotal □ annar □ granty □ 0 2 □ continuous □ imgregular □ hericotal □ annaer □ granty □ 0 2 □ continuous □ almost square □ verical □ Angled downill □ granty □ 0 2 □ continuous □ almost square □ verical □ angled downill □ granty □ 0 2 □ continuous □ almost square □ verical □ angled downill □ granty □ coverband □ taminar □ Angled □ other / combinition □ granty □ (give dealls below) □ files means below □ other / give dealls below □ coursed □ other (give dealls below)	Contraction and a	e double	and the second second		by earth t	pank
ather (Give details below e.g. orthostatic, rules) Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar slatey 0 2 continuous irregular Horizontal Angled downhill granity 1 3 almost square Vertical Angled downhill granity coverband Laminar Angled other / combination filmestone stones dressed thoroughly Horizontal Boulders sandstone coursed Vertical Dressed statey random Angled Square Semi circular other (give details below) Mortar Details / notes: Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bo give details	Other (Give details below e.g. orhoststic, nubble full, semi course) Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre Cound Laminar Islatey 0 2 continuous Irregular Hortzortal Angled duptill Igen samt stard, smooth) 0 2 continuous Irregular Hortzortal Angled duptill Igen samt stard, smooth) 0 2 continuous Irregular Hortzortal Angled duptill Igen samt stard, smooth) 0 2 contribution Laminar Angled Other (contribution Igen samt stard, smooth) 0 0 2 control Hortzortal Boulders Igen samt stard, immoth) 0 0 1 Angled Dressed Igen samt stard, immoth) Igen samt stard, immoth) 0 0 1 Angled Dressed Igen samt stard, immoth) Igen samt stard, immoth) 0 0 1 Stile Saue Semi circular 0 ther (give details below) 0 0 0 0			by itself		🔲 next to di	tch
ather (Give details below e.g. orthostatic, rules) Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar slatey 0 2 continuous irregular Horizontal Angled uphill granity 1 3 almost square Vertical Angled downhill granity coverband Laminar Angled other / combination filmestone stones dressed thoroughly Horizontal Boulders sandstone coursed Vertical Dressed ifne compressed random Angled Square Semi circular other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, br give details	Style Stones Top Stones Stone Type 0 2 continuous Internation Internatinternation <	retaining (g	ive details below)			by itself	
Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar \$latey 0 2 continuous Irregular Horizontal Angled downhill granity 1 3 almost square Vertical Angled downhill granity 1 3 almost square Vertical Angled downhill granity 1 3 almost square Vertical Angled downhill granity 1 3 almost square Stones foreseed thoroughly Horizontal Boulders Sandstone 1 stones dressed thoroughly Horizontal Boulders Sandstone Sandstone 1 random Angled Square Semil circular other (give details below) 1 random other (give details below) Triangle other (give details below) other (give details below) 1 Boulders Semil circular other (give details below) other (give details below) other (give details below) 1 Boulders Semil circular other (giv	Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar Indiged downhill Igenitar, hard, smooth) 0 2 continuous Irregular Hortconial Angled downhill Igenitar, hard, smooth) 0 2 continuous Irregular Hortconial Angled downhill Igenitar, hard, smooth) 0 2 continuous Iaminar Angled Orber / combination Igenative mooth) 0 coursed Vertical Dressed Immestione Immestione 1 andom Angled Square Semi circular other (give details below) 0 other (give details below) Triangle other (give details below) other (give details below) 0 other (give details below) Triangle other (give details below) other (give details below) 0 balage Stile Gate Bridge Other 0 water at gate/stile stops to top Horse Stab 1 at gate/stile step/stop Person <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
No. of through-bands per metre round Laminar slatey 0 2 continuous irregular Horizontal Angled uphili granity 1 3 almost square Vertical Angled downhili Immestance Immestance 1 3 almost square Vertical Angled downhili Immestance Immestance 1 3 almost square Vertical Angled other / combination Immestance 1 stones dressed thoroughly Horizontal Boulders sandstone Immestance 1 coursed Vertical Dressed sandstone Immestance Immestance 1 other (give details below) other (give details below) Triangle other (give details below) other (give details below) 1 betails / notes: Smoots Wall Head Stile Gate Bridge Other 1 sheep within wall length squeeze Farm vehicle Arch Niche, bright (give details	No. of through-bands per metre round Laminar Sitey 0 2 exentinuous Irregular Hortzontal Angled uphill granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 1 3 almost square Ventical Angled States granity 1 coverband Laminar Angled States granity	Details / notes:	ami coursed)				
No. of through-bands per metre round Laminar slatey 0 2 continuous irregular Horizontal Angled uphili granity 1 3 almost square Vertical Angled downhili Immestance Immestance 1 3 almost square Vertical Angled downhili Immestance Immestance 1 3 almost square Vertical Angled other / combination Immestance 1 stones dressed thoroughly Horizontal Boulders sandstone Immestance 1 coursed Vertical Dressed sandstone Immestance Immestance 1 other (give details below) other (give details below) Triangle other (give details below) other (give details below) 1 betails / notes: Smoots Wall Head Stile Gate Bridge Other 1 sheep within wall length squeeze Farm vehicle Arch Niche, bright (give details	No. of through-bands per metre round Laminar Sitey 0 2 exentinuous Irregular Hortzontal Angled uphill granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 1 3 almost square Ventical Angled States granity 1 coverband Laminar Angled States granity						
No. of through-bands per metre round Laminar slatey 0 2 continuous irregular Horizontal Angled uphili granity 0 2 continuous almost square Vertical Angled downhili granity 0 1 3 almost square Vertical Angled downhili fround, hard, and 0 coverband Laminar Angled other / combination fround, hard, and 1 3 almost square Stones dressed thoroughly Horizontal Boulders sandstone 1 coursed Vertical Dressed sandstone (fine compressed 1 other (give details below) other (give details below) other (give details below) other (give details below) 1 other (give details below) Triangle other (give details below) other (give details below) 1 other (give details below) Triangle other (give details below) other (give details below) 1 betails / notes: Stile Gate Bridge Other 1 sheep within wall length	No. of through-bands per metre round Laminar Sitey 0 2 exentinuous Irregular Hortzontal Angled uphill granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 0 2 exentinuous Irregular Hortzontal Angled downhall granity 1 3 almost square Ventical Angled States granity 1 coverband Laminar Angled States granity						
No. of through ballits per mede integration <	Not untugited products provided in the product of	Style		Stones	Top Stones		Stone Type
Image: Second diamont square	Image: Second	No. of through-	-bands per metre	round	🗌 Laminar		
Image: Coverband Image: Coverband <td< td=""><td>Image: Coverband Laminar Angled Image: Coverband Image: Coverband: Coverband: Coverband: Coverband Image: Coverband:</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Image: Coverband Laminar Angled Image: Coverband Image: Coverband: Coverband: Coverband: Coverband Image: Coverband:						
Coverband Califination Interview Interview <td>coverband Lanutat Interation Interation stones dressed thoroughly Horizontal Goulders sandstone coursed Vertical Dressed sandstone random Angled Square Semi circular other (give details below) other (give details below) Triangle other (give details below) other (give details below) Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole (give details below) water at wall junction step/squeeze Person Not stone mith stoup wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below)</td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td>(round, hard, smooth)</td>	coverband Lanutat Interation Interation stones dressed thoroughly Horizontal Goulders sandstone coursed Vertical Dressed sandstone random Angled Square Semi circular other (give details below) other (give details below) Triangle other (give details below) other (give details below) Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole (give details below) water at wall junction step/squeeze Person Not stone mith stoup wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below) Details / notes: Wood over wall Inscription (give details below) Inscription (give details below)		3				(round, hard, smooth)
Coursed C	Coursed Verical Standstore Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Image Im		esed thoroughly	and the second s	/		(laminar/round, lumpy, hard
Image Semi circular other (give details below) Image other (give details below) Triangle Image other (give details below) Triangle Image other (give details below) Triangle Image other (give details below) Image Image other (give details	Image:	=/	ased moroughly	<u> </u>	Le Boulders		
Other (give details below) Other (give details below) Triangle other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other other (give details below) Smoots Wall Head Stile Gate Stile Gate Stile (give details below)	Other (give details below) Triangle Other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other Mortar Other Mortar Details / notes: Smoots Wall Head Stile Stile Gate Bridge Other (give details below) Inscription (give details below) Details / notes: Details / notes: Details / notes: Wall HEAUS NO GASE TO WESS ATTACHES TO BKEN SEE PLAN/KEVERSE			Angled		C Canal alum day	_
Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch (give details the state of the state	Mortar Details / notes: Mortar Details / notes: Mortar M			other (give details i	below)		other (give details below)
sheep within wall length squeeze Farm vehicle Arch (give details (give details))	Image: State of the state	Details / notes:					
(give details	sheep within wan engin studezze Interview and the studezze (give details below) water at wall junction steps to top Horse Slab (give details below) rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription (give details below) without stoup wood over stone stile other (give details below) Details / notes: WALL HEADS NO GASE TO WESST ATTACKES TO BARN SEE PLAN (AcvEASE)	Smoots	Wall Head	Stile	Gate	Bridge	Other
(give detail	Image: State of the step is to top Image: State of the step is to top Image: State of the step is to top Image: State of the step is top is top Image: State of the step is top Image: State of the step is to top Image: State of the step is top Image: State of the step is top Image: State of the step is top Image: State of the state o		within wall length	squeeze	Farm	vehicle 🗌 Arch	Niche, bee-bole
rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription (give details below) without stoup other (give details below)	rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription without stoup wood over stone stile Inscription other (give details below) other (give details below) Details / notes: WALL HEADS NO GAJE TO WEST ATTACKES TO BARN SEE PLAN (LEVERSE)			- <u>-</u>	Hors	e 🗌 Slab	(give details below)
with stoup wood over wall Inscription (give details below) without stoup wood over stone stile other (give details below)	Details / notes: WALL HEADS NO GAJE TO WEST ATTACHES TO BARN SEE PLAN (LEVERSE WALL HEADS NO GAJE TO WEST ATTACHES TO BARN SEE PLAN (LEVERSE	the second se		step/squeez	e 🗌 Pers	on 🗌 Not sto	ne
without stoup wood over stone stile	Details / notes: WALL HEADS NO GAJE TO WEST ATTACHES TO BARN SEE PLAN (REVERSE		with stoup	wood over v	vall	4	
Other (give details below)	Details / notes: WALL HEADS NO GAJE TO WEST ATTACHES TO BARN SEE PLAN (KEVERSE		without stoup	and a second sec			Sec. St.
	WALL HEADS NO GATE TO WEST ATTACHES TO BARN SEE PLAN (REVERSE			other (give de	etails below)		
Dataile (potes:	WALL HEADS NO GATE TO WEST ATTACHES TO BARN SEE PLAN (REVERSE	Details / potes:					
WALL HEADS NO GASE TO WEST ATTACHES TO BARN SEE PLAN (LE		WALL I	HEADS NOGAS	E TO WEST	T ATTACHES	TOBARN SEC	E PLAN (REVERSE
	litonal notes / sketch section NW CTT-25E						
SOVFA CING SECTION			a state of	they	7	NTS	
SONFACING SECTION NTS	NTS NTS			LT	13		
SOVFACING SECTION NTS	NTS NTS			1			
SOVEA CING SECTION NTS	NTS NTS			Eo	a		
SONFA CING SECTION NTG	NTS NTS			E You	201-1		
SOVEA CING SECTION NTG	NTS NTS			200			
SOVER CIME SECTION NTG	NTS NTS						
SOUFA CING SECTION NTG	NTS NTS						
SOVER CIME SECTION NTG	NTS NTS			AIR	225		
			Construction double single abov vertical slat retaining (g dother (Give rubble infill, s Details / notes: Style No. of through dother of through dother dother coverband stones dre coursed random Details / notes: Smoots sheep water rabbit Details / notes:	Construction double single above double vertical slab retaining (give details below) dother (Give details below e.g. orthostatic. rubble infill, semi coursed) Details / notes: Style No. of through-bands per metre doing to the continuous doing to	Construction Stone fac double with wall single above double with wall vertical slab by itself retaining (give details below) by itself other (aftil, semi coursed) by itself Details / notes: round Style Stones No. of through-bands per metre round 0 2 continuous other (aftig semi coursed) atmost square coverband Laminar stones dressed thoroughly Horizontal coursed Vertical random Angled other (give details) other (give details) Details / notes: stones Smoots Wall Head Stile sheep within wall length squeeze water at wall junction steps to top rabbit at gate/stile step/squeeze with stoup wood over w other (give details de	Construction Stone faced bank double with wall above single above double with wall above retaining (give details below) by itself other (Give details below e.g. orthostratic, nubble Infill, sent coursed) by itself other (Give details below) by itself other (Give details below) coursed) betails / notes: Top Stones Style Stones Top Stones No. of through-bands per metre round Laminar 0 2 continuous Irregular it 3 almost square Vertical coverband Laminar Angled coverband Laminar Square coursed Vertical Decaders random Laminar Angled groups Vertical Dressed atmost square Other (give details below) Square other (give details below) Square Farm water at wall junction steps to top Hors step/squeeze Pers verticals below) wood over wall water <td>Construction Stone faced bank Situation auble with wall above on earth in auble with hedge above by earth in auble by itself on earth in author (Bive details below) by itself ingle above ather (Bive details below) by itself ingle above ather (Bive details below) by itself ingle above ather (Bive details below) ather (Bive details below) ingle above ather (Bive details below) ather (Bive details below) ingle above by itself rabibit Bing weric cursed) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) boulders angled downhill coverband Laminar Angled get easis below coverband Laminar Angled State Semi circular ather (Bive details below) Boulders Semi circular coverband ather (Bive details belo</td>	Construction Stone faced bank Situation auble with wall above on earth in auble with hedge above by earth in auble by itself on earth in author (Bive details below) by itself ingle above ather (Bive details below) by itself ingle above ather (Bive details below) by itself ingle above ather (Bive details below) ather (Bive details below) ingle above ather (Bive details below) ather (Bive details below) ingle above by itself rabibit Bing weric cursed) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) ather (Bive details below) horizontal ather (Bive details below) boulders angled downhill coverband Laminar Angled get easis below coverband Laminar Angled State Semi circular ather (Bive details below) Boulders Semi circular coverband ather (Bive details belo



115	NAME: , MA	& CTALECALIC	PIPEILIE	SITE CODE: WSP	IC WA	LL SECTION NO. KU
0.022	ion:	9 STONES DALE	TICLINE	Date: 17/6/		nxx
(rout)	AR	EA 82159		Surveyed by:	()	
-	Linicht (m. 1	Ent all EDE alda)	Width	Conversion of	Orientation	n of wall (eg. NNE - SSW)
8		5m on ESE side)		-		- 5w
5128				ines: 0.4m	NE	- /~
_	Low side;	on s				
	Constructio	n	Stone face	ed bank	Situation	
	double		with wall		on earth	
	single abo		with hedg	je above	by earth I next to di	
Style	vertical sla	iD give details below)	by usen		by itself	
ñ	other (Give	details below e.g. orthostatic, semi coursed)				
	Details / notes:					
-	Style	1	Stones	Top Stones		Stone Type
		n-bands per metre	round	Laminar		Statey
		2 continuous	irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
	80 8	3	almost square	Vertical	Angled downhill	granity (round, hard, smooth)
	coverband	l,	Laminar	Angled	other / combination (give details below)	Timestone
_		essed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/s
Detail	Coursed		Vertical Angled	Dressed	3	(fine compressed grains)
	Tandom			Square	Semi circular	other (give details below)
	Details / notes		Other (give details b	Elow) [] Triangle	other (give details below)	
ording lengths of wellt)	Details / notes Smools Sheep water rabbit	Wall Head Within wall length at wall junction at gate/stile with stoup	Stile	Gate Farm Person	Bridge vehicle Arch	Inscription
Fealures (when recording lengths of well)	Smools	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze	Triangle Mortar Gate Farm Horse all tone stille	Bridge vehicle Arch	Niche, bee-bole et (give details below)
	Smools sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze step/squeeze wood over w wood over st other (give de	Triangle Mortar Gate Farm - Horse all tallis below)	Bridge vehicle Arch	Niche, bee-bole e (give details below) ne
	Smools Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over st	Triangle Mortar Gate Farm Horse all tone stille	vehicle Arch Slab n Not sto	Niche, bee-bole e (give details below)
	Smools Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze step/squeeze wood over w wood over st other (give de	Triangle Mortar Gate Farm - Horse all tallis below)	vehicle Arch Slab n Not sto	Niche, bee-bole el (give details below)
	Smools Sheep water rabbit Details / notes	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze step/squeeze wood over w output output output step/squeeze output	Gate Gate Farm Horse all one stile tails below)	vehicle Arch Slab n Not sto	Niche, bee-bole et (give details below) ne

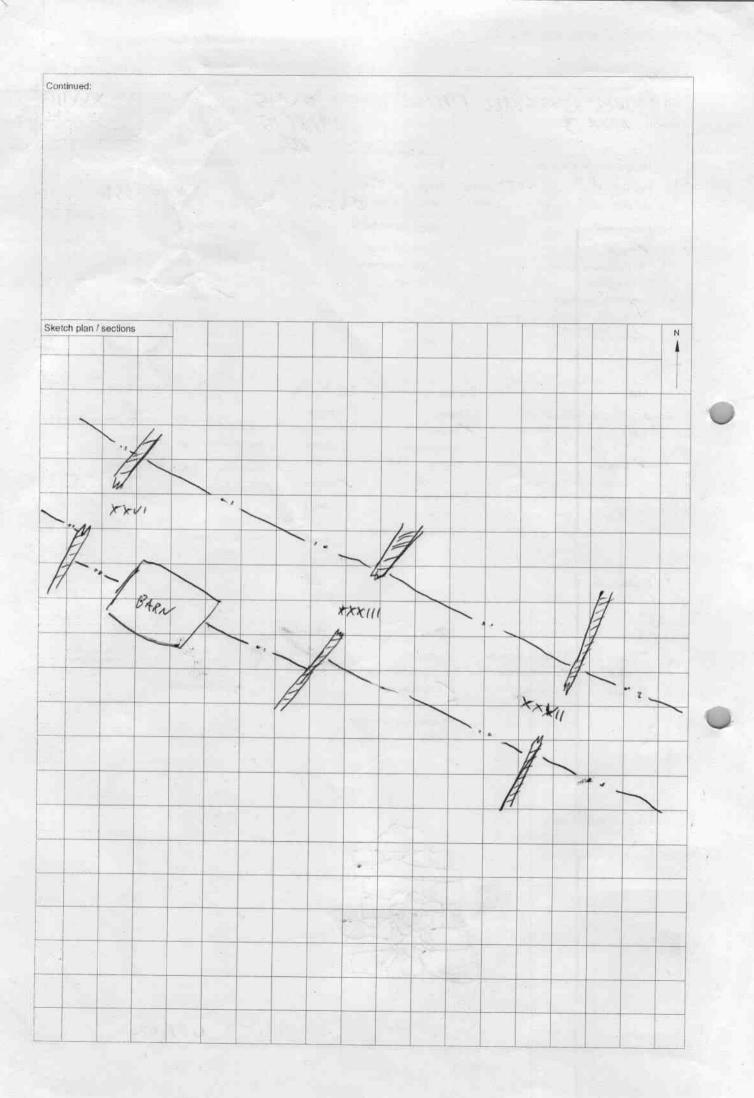


Smoots Wall Head Stile Gate Bridge Other	Heigh High S Low sik Cons Cons Cons Cons Cons Cons Cons Cons	1 (eg. 1.5m or Side:	AUST ALGA S ESE side) A on .SS	Width de At base: de below top sto de below top sto Stone fact with wall with hed by itself Stones round round frregular almost square	Surveyed by: 00	Orie	ation in earth bank ine earth bank next to ditch oy itself	SE one Type slatey
Surveyed by: @ Orientation of wall (ea. NNE - SSW) Height (eg. Lim on EBE side) At base: @ -6.5 High Side:	Heigh High S Low sik Cons dol sin ver ret oth rub Details Style No. of	At (eg. 1.5m or Side:	ALESE side) AL. on .55	Width de At base: de below top str Stone fact with wall with hed by itself Stones round frregular almost square	Surveyed by: 00	Orie	ation in earth bank ine earth bank next to ditch oy itself	SE one Type slatey
Height (rep. 1:5m on ESE state) Width Orientation of wall (rep. NNE - SDV) High Stde:	High S Low side Cons dou sin ver rub Details Style No. of Cons dou cons cons cons cons dou sin ver cons cons cons cons cons cons cons cons	side: 1.5. de: 1.5. struction uble ngle above de rfical slab taining (give d her (Give detail oble infill, semi d s / notes: f through-ban 0 2 1 3 overband tones dresse	A. on SS. W. si M. on A/A/E si puble etails below) (s below e.g. orthostatic, coursed)	de At base: de below top sto Stone fact with wall with hed by itself Stones round frregular almost square	F.65 ones: 6.4 ed bank above ge above Top Stones Laminar Horizontal	Situ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ation in earth bank ine earth bank next to ditch oy itself	SE one Type slatey
Hight (eg. 1-an on 355 min, side At base: 0 - 65 NUBY-SSE Low side:	High S Low side Cons dou sin ver rub Details Style No. of Cons dou cons cons cons cons dou sin ver cons cons cons cons cons cons cons cons	side: 1.5. de: 1.5. struction uble ngle above de rfical slab taining (give d her (Give detail oble infill, semi d s / notes: f through-ban 0 2 1 3 overband tones dresse	A. on SS. W. si M. on A/A/E si puble etails below) (s below e.g. orthostatic, coursed)	de At base: de below top sto Stone fact with wall with hed by itself Stones round frregular almost square	ed bank above ge above Top Stones	Situ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ation in earth bank ine earth bank next to ditch oy itself	SE one Type slatey
High Side:	Low ski	de:	M on . MALE, si puble etails below) is below e.g. orthostatic, coursed)	de below top sto Stone fact with wall by itself Stones round frregular almost square	ed bank above ge above Top Stones	Situ	ation in earth bank by earth bank next to ditch by itself	one Type slatey
Low side: fi.: Sm., on AME: side below top stones: G.G. Construction Stone faced bank in earth bank I double with well above in earth bank isingle above double with well above in earth bank isingle above double by itself in earth bank in rest to ditch by itself in earth bank in rest to ditch by itself in earth bank in the dge above e.g. ontoeset. in earth bank in earth bank in the dge above e.g. ontoeset. in earth bank in earth bank in the dge above e.g. ontoeset. in earth bank in earth bank in the dge above e.g. ontoeset. in earth bank in earth bank in the dge above e.g. ontoeset. in earth bank in earth bank in the dge above e.g. ontoeset. if earth bank if earth bank in the dge above e.g. ontoeset. if earth bank if earth bank in the dge above e.g. ontoeset. if earth bank if earth bank in the dge above e.g. ontoeset. if earth bank if earth bank in the dge above e.g. ontoeset. if earth bank if earth bank <t< td=""><td>Low sik</td><td>struction uble ngle above do rtical slab taining (give d her (Give deta) ble infill, semi d s / notes: f through-ban f through-ban f through-ban doverband tones dresse</td><td>etails below) (s below e.g. orthostatic, coursed) nds per metre continuous</td><td>Stone fact with wall with hed by itself Stones round frregular almost square</td><td>ed bank above ge above Top Stones Laminar Horizontal</td><td></td><td>in earth bank by earth bank next to ditch by itself</td><td>slatey</td></t<>	Low sik	struction uble ngle above do rtical slab taining (give d her (Give deta) ble infill, semi d s / notes: f through-ban f through-ban f through-ban doverband tones dresse	etails below) (s below e.g. orthostatic, coursed) nds per metre continuous	Stone fact with wall with hed by itself Stones round frregular almost square	ed bank above ge above Top Stones Laminar Horizontal		in earth bank by earth bank next to ditch by itself	slatey
Construction Store recover service Image: Construction with wall above Image: Construction within wall above Image: Construction Construction	Style	uble ngle above de rtical slab taining (give d her (Give detal oble infill, semi d s / notes: f through-bar 0 2 1 3 overband tones dresse	etalla below) Is below e.g. orthostatic, coursed) nds per metre continuous	 with wall with hed by itself Stones round frregular almost square 	above ge above Top Stones Laminar		in earth bank by earth bank next to ditch by itself	slatey
	Style	uble ngle above de rtical slab taining (give d her (Give detal oble infill, semi d s / notes: f through-bar 0 2 1 3 overband tones dresse	etalla below) Is below e.g. orthostatic, coursed) nds per metre continuous	 with wall with hed by itself Stones round frregular almost square 	above ge above Top Stones Laminar		ext to ditch oy itself	slatey
Coulde Coulde	Style	ngle above de rtical slab taining (give d her (Give detai oble infill, semi d s / notes: f through-bai 0 2 1 3 overband tones dresse	etalla below) Is below e.g. orthostatic, coursed) nds per metre continuous	Stones round frregular almost square	ge above Top Stones		vext to ditch by itself Sto	slatey
Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double Image: Single above double above double Image: Single above double above double Image: Single above double above double Image: Single above double Image: Single above double Image: Si	Ver ver ver ver ver ott rub Details Style No. of Const Style No. of Const Style No. of Const Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Style Styl	ritical slab training (give detail oble infill, semi d s / notes: f through-ball 0 2 1 3 overband trones dresse	etalla below) Is below e.g. orthostatic, coursed) nds per metre continuous	by itself by itself Stones round fregular almost square	Top Stones		vext to ditch by itself Sto	slatey
Vericial slab Vericial slab Vericial below eq. orhostatic, nable infit, seni coursed) Details / notes: Style Style Stones Stones Top Stones Stone Type Idmine, france, smooth) der (Give details below) details below detail	Style No. of Style	taining (give d her (Give detail oble infill, seni d s / notes: f through-bail 0 2 1 3 overband tones dresse	Is below e.g. orthostatic, coursed)	Stones round frregular almost square	Laminar	-	sy itself	slatey
Image: Constant of the constant	Style	her (Give detai bble infill, semi d s / notes: f through-bar 6 2 1 3 overband tones dresse	Is below e.g. orthostatic, coursed)	round	Laminar			slatey
Institution in the indification of	Style No. of Color Style	e f through-bal 6 2 1 3 overband tones dresse	nds per metre	round	Laminar			slatey
Details / notes: Style Stones Top Stones Stone Type No, of through-bands per metre round Laminar slatey 1 2 continuous Immegular Horizontal Angled downhill slatey 1 3 abnost square Vertical Angled downhill Grantly Grantly coverband Laminar Angled ether / combination Grantly Immestone Coursed Vertical Dressed angled angled ether / combination Grantly Coursed Vertical Dressed angled angle sandstone Sandstone Trandom other (give details below) Triangle other (give senals below) other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other Stab steps to top Horse Slab Niche hee-bole ender water at wall junction step to top Horse Slab Niche hee-bole ender water at wall junction step to top Person Not stone	Style No. of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control C	e f through-bar 6 2 1 3 overband tones dresse	nds per metre	round	Laminar			slatey
Style Stories Top context No, of through-bands per metre round Laminar		f through-ban f	Continuous	round	Laminar			slatey
Style Stories Top context No, of through-bands per metre round Laminar		f through-ban f	Continuous	round	Laminar			slatey
Style		f through-ban f	Continuous	round	Laminar			
No. of through-bands per metre round Contract Angled uprili 1 3 almost square Vertical Angled downhili granity 1 3 almost square Vertical Angled downhili granity coverband Laminar Angled other / combination granity mooth stones dressed thoroughly Horizontal Boulders sandstone granity mooth Coursed Vertical Dressed sandstone granity mooth granity random Angled Square Semi circular granity mooth granity Coursed Vertical Dressed Standstone granity other (give details below) other (give details below) Triangle other (give details below) other (give details below) Details / notes: Smoots Wall Head Stile Gate Bridge Other give details below Triangle Horse Slab Niche, bee-bole e (give details below) water at wall junction steps to top Horse Slab Inscrip		0 2 1 3 overband tones dresse	Continuous	Irregular	Horizontal	Angled uphill		
Image: Second and Second		1 🛄 3 overband tones dresse		almost square				(ranimar, naro, smooth)
Image: Second index ind		overband tones dresse			<u> </u>	Angled down	hill 🗌	granity
Coverband Coverband Coverband Coverband Coverband Stones dressed thoroughly Horizontal Morizontal Coverband Coverba		tones dresse	The second second second	Landounder				/
Image: Coursed intermediate intermediat						(give details below	s 🖸	(iaminar/round, lumpy, hard/sof
Control (give details below) Conter (give details below)		oursed	d thorougnly		Boulders			
Other (give details below) Other Othe		indom	1.1		Dressed			(fine compressed grains)
Contract (give details below) Triangle Outrier (give details below) Mortar Details / notes:	That :	#10011						other (give details below)
Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole e water at wall junction steps to top Horse Slab Inscription rabbit at gate/stile step/squeeze Person Not stone Inscription with stoup wood over wall other (give details below) Inscription Inscription other (give details below) other (give details below) Inscription Inscription	724				Triangle	other (give deu	,dis below)	
Details / notes:	(where resonating langths of well)	iheep vater	 within wall length at wall junction at gate/stile with stoup 	squeeze steps to top step/squee wood over wood over	D Far D Hou Ize Per wall stone stile	m vehicle	Arch Slab	Niche, bee-bole etc (give details below) Inscription
Details / notes:	Trues							
	Detai	ils / notes:						a second s
	1 711			the second second				



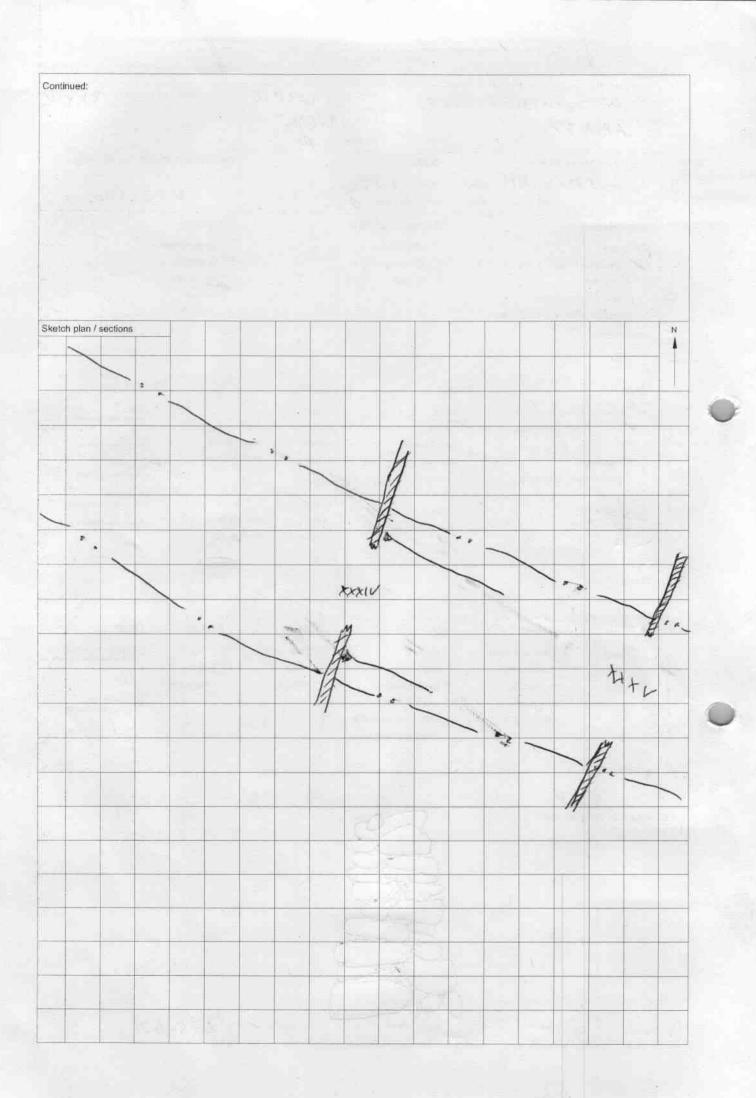
Field Wall Recording	ng Sheet
----------------------	----------

	NAME: WEST STONE	ESUALL	FIFELING	SITE CODE: USP15 Date: 1914115		SECTION NO. XXX/	
ati	ion: AREA 3			11/01/3			
				Surveyed by:		7 II	
	Height (eg. 1.5m on ESE si		Width		Orientation	of wall (eg. NNE - SSW)	
	High Side:	h Both side		MO STATE	N	NE-SSW	
	Low side: or	nside	below top sto	nes: 0.45m		5 W	
T	Construction		Stone face	ed bank	Situation		
	double		with wall a	above	🔲 on earth ba	ank	
	single above double		with hedg	e above	D by earth ba	ank	
	vertical slab		itself		next to ditt	sh	
	retaining (give details be	low)			by itself		
	other (Give details below rubble infill, semi coursed) Details / notes:	e.g. orthostatic,					
-	Style	S	itones	Top Stones		Stone Type	
	No. of through-bands per	metre] round	🗌 Laminar		laminar, hard, smooth)	
	· · · · · · · · · · · · · · · · · · ·		rregular		gled uphill	granity	
	1 3	[] almost square		gled downhill	(round, hard, smooth)	
	coverband	_	Laminar	(dv	ser / combination e details below)	(laminar/round, lumpy, hard	
	stones dressed thoron	ughly	Herizontal Vertical	Boulders		sandstone	
	coursed		Angled	Dressed	1	(fine compressed grains)	
a th							
	Details / notes:	E	other (give details b	elow)	emi circular 197 (give cetalis below)	other (give details below)	
	Details / notes:	C	other (give details b	elow) Triangle of	16f (give cecali: below)		
		Tead		elow) Triangle off	ter (give cetalls below) Bridge	Other	
	Details / notes: Smoots Wall H	in wall length	Stile	elow) Triangle off Mortar Gate Farm vehicle	Ter (give details below) Bridge Arch	Other	
	Details / notes: Smoots Wall H sheep with water at w	in wall length vall junction	Stile	elow) Triangle off Mortar Gate Farm vehicle Horse	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g	in wall length vall junction ate/stile	Stile Stips to top Step/squeeze	elow) Triangle off Mortar Gate Farm vehicle Horse a Person	Ter (give details below) Bridge Arch	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with	in wall length vall junction ate/stile i stoup	Stile Stile Step/squeeze Wood over w	elow) Triangle ot Mortar Gate Farm vehicle Horse e Person rall	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with	in wall length vall junction ate/stile	Stile Stips to top Step/squeeze	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with	in wall length vall junction ate/stile i stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with	in wall length vall junction ate/stile i stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with with	in wall length vall junction ate/stile i stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
cii	Details / notes: Smoots Wall H sheep with water at w rabbit at g with with	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
1	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	
	Details / notes: Smoots Wall H sheep with water at w rabbit at g with betails / notes:	in wall length vall junction ate/stile a stoup nout stoup	Stile Stile Stips to top Step/squeeze wood over w wood over s	elow) Triangle off Mortar Gate Farm vehicle Horse e Person rall tone stile	197 (give cetallit below) Bridge Arch Slab	Other	

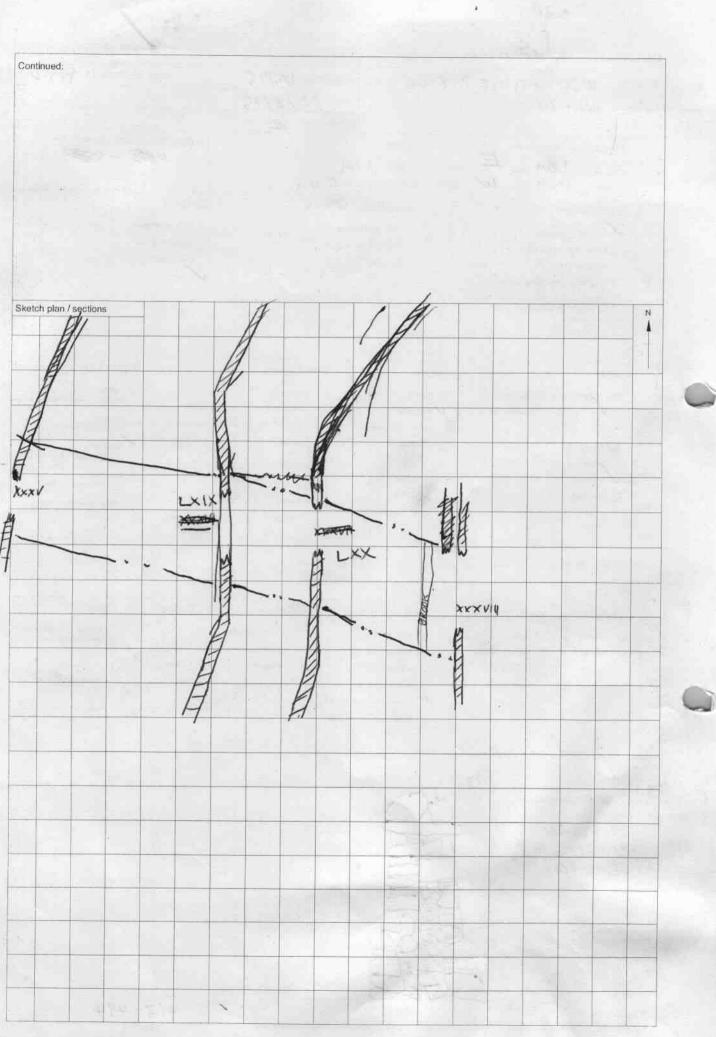


ocatio	NAME: WEST	STONES DALE PI	PELING.	SITE CODE: WSP	15	L SECTION NO. XXX16
				Date: 19/6/15		
	AREA	. 77		Surveyed by:		
T	Height (eg. 1.5	im on ESE side)	Width		Orientation	of wall (eg. NNE - SSW)
Size		75m on Both si		·25m		
6	and the second second second	on		ones: 0.6m	v	NE-SSW
-					Cituation	
	Construction	n	Stone fac	ed bank	Situation	
	double		🗌 with wall	above	on earth b	
	single abov	e double		lge above	by earth b	
0	vertical slab		by itself		next to dit	cn
siyle		ive details below)			by itself	
	rubble infill, se	details below e.g. orthostatic, emi coursed)				
	Details / notes;					
-	Style		Stones	Top Stones		Stone Type
		bands per metre	round	🗌 Laminar		Slatey
		2 Continuous	irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
1			almost square	Vertical	Angled downhill	(round, hard, smooth)
	coverband		🗌 Laminar	Angled	other / combination	Timestone
	stones dres	ssed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/si
Detail	coursed		Vertical	Dressed		(fine compressed grains)
	random		Angled	Square] Semi circular	other (give details below)
			other (give details	below)	Other (give details below)	
	Smoots	Wall Head	Stile	Gate	Bridge	Other
(Illiow	Sheep	i within wall length	squeeze	Farm vet		Niche, bee-bole etc (give details below)
3	water	at wall junction	steps to lop	and the second se	Slab	
krg teng	abbit	at gate/stile	step/squeez		Not stor	Inscription
record		with stoup	wood over s			(give details below)
(where			other (give de			
Features (when recording lengths						
Fea	Details / notes:					
1						

....



EN	NAME: WEST STONES DALE	PIPELINE	SITE CODE: USPIS	WALL	SECTION NO. XXXV
catio	- 0		Date: 23/6/15		
	moil 1-		Surveyed by:		
2-12	Height (eg. 1.5m on ESE side) High Side: 1.8m. on 1.5 Low side: 1.6.4 on 1.6	Width side At base: /			of wall (eg. NNE - SSW)
-			ced bank	Situation	
Billio	Construction double single above double vertical slab retaining (give details below) other (Give details below e.g. orthor rubble infill, semi coursed) Details / notes:	<pre>with wa with he by itsel</pre>	ill above idge above	on earth bi by earth bi next to dite	ank
-	Style	Stones	Top Stones		Stone Type
Detail	No. of through-bands per metre	round rregular almost square Laminar Horizontal Vertical Angled other (give detail	Laminar Horizontal Vertical Angled Boulders Dressed Square	Angled uphill Angled downhill other / combination (give density below) Semi circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/s sandstone (fine compressed grains) other (give details below)
			Mortar	Other (due details below)	
	Details / notes: Smoots Wall Head	Stile	Triangle	Bridge	Other
Features when reporting incidins of well)	200 0.00	engthsqueeze tionsteps to to step/sque wood over upwood over	Gate Farm vehi eze Person	Bridge	Niche, bee-bole e (give details below)
C Features (when reptricting incights of	Smoots Wall Head sheep within wall I water at wall junc rabbit at gate/stile with stoup without stou	engthsqueeze tionsteps to to step/sque wood over upwood over	Triangle	Bridge cle Arch	Niche, bee-bole e (give details below)

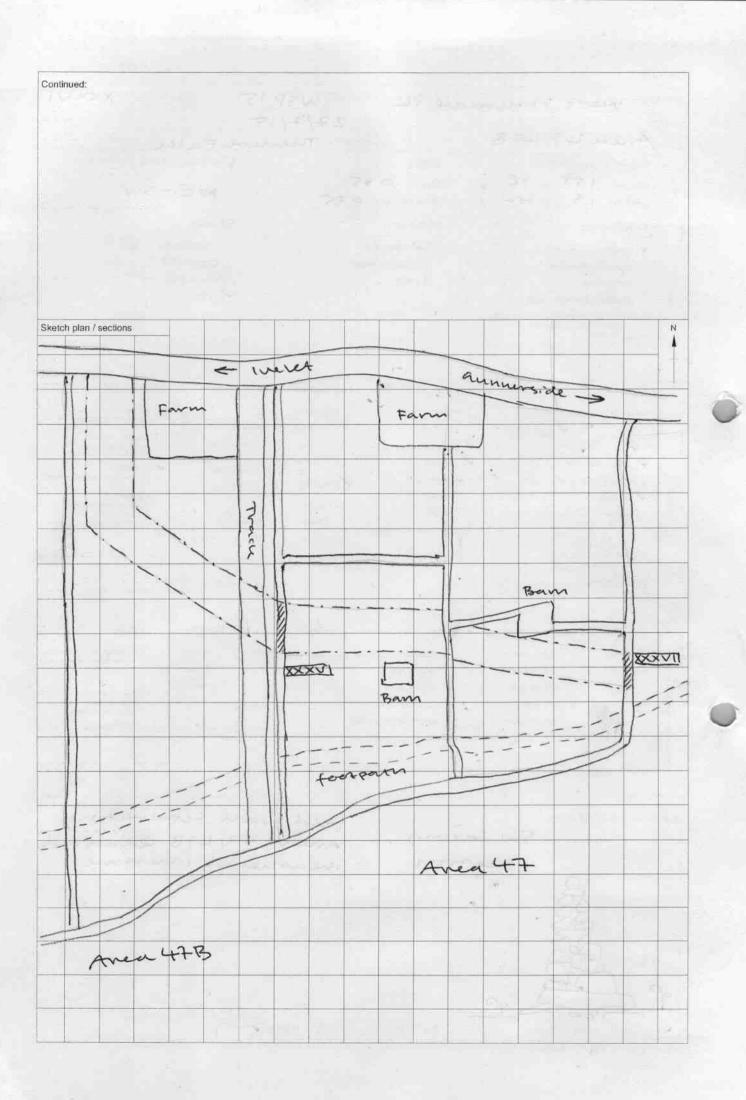


2

1.1

1. 1. a a

E	NAME: WE	rt rtenes	dale PL	SITE CODE: WST	215	W/ALL	SECTION NOXXXV
cati	ion:			Date: 27/7/	15		
	Anen	47,47B		Surveyed by: The	nese	Fall	r
A CLARK	and a state of the second second second	m on ESE side) 55 on 55 si 3 on トレン si		0, 85 nes: 0,35			of wall (og. NNE - SSW)
	Construction	1	Stone face	d bank	Site	uation	
~~~~~	double double single abov vertical slat retaining (g	e double ) ive details below) details below e.g. orthostatic,	<ul> <li>with wall a</li> <li>with hedg</li> <li>by itself</li> </ul>			on earth bar by earth bar next to ditch by itself	ık
_			Stones	Top Stones	1000		Stone Type
FLOIDING 1	0 0 2 2 1 0 2 2 Coverband		<ul> <li>□ round</li> <li>□ irregular</li> <li>☑ almost square</li> <li>☑ Laminar</li> <li>☑ Horizontal</li> <li>□ VertIcal</li> <li>□ Angled</li> <li>□ other (give details be</li> </ul>	Laminar Hortzontal Vertical Angled Boulders Dressed	Angled uphill Angled down other / combi (give details belo Semi circular	nill nation *	slatey     (laminar, hard, smooth)     granity     (round, hard, smooth)     limestone     (laminar/round, lumpy, hard     sandstone     (fine compressed grains)     other (give details below)
	Details / notes;			Triangle	Other (give det	ills below)	
		Wall Head	Stile	Triangle		ridge	Other
	Details / notes: Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wa output of the content of the	Triangle Mortar Gate Farm v Horse Person all one stile	vehicle		Niche, bee-bole (give details below)
Legintes (when recording within a	Smoots sheep water rabbit	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>with stoup</li> <li>without stoup</li> </ul>	squeeze steps to top step/squeeze wood over wa wood over step	☐ Triangle ☐ Mortar Gate ☐ Farm v ☐ Horse ☐ Person all one stile alls below)	rehicle	Second	Niche, bee-bole e



NAA 32a

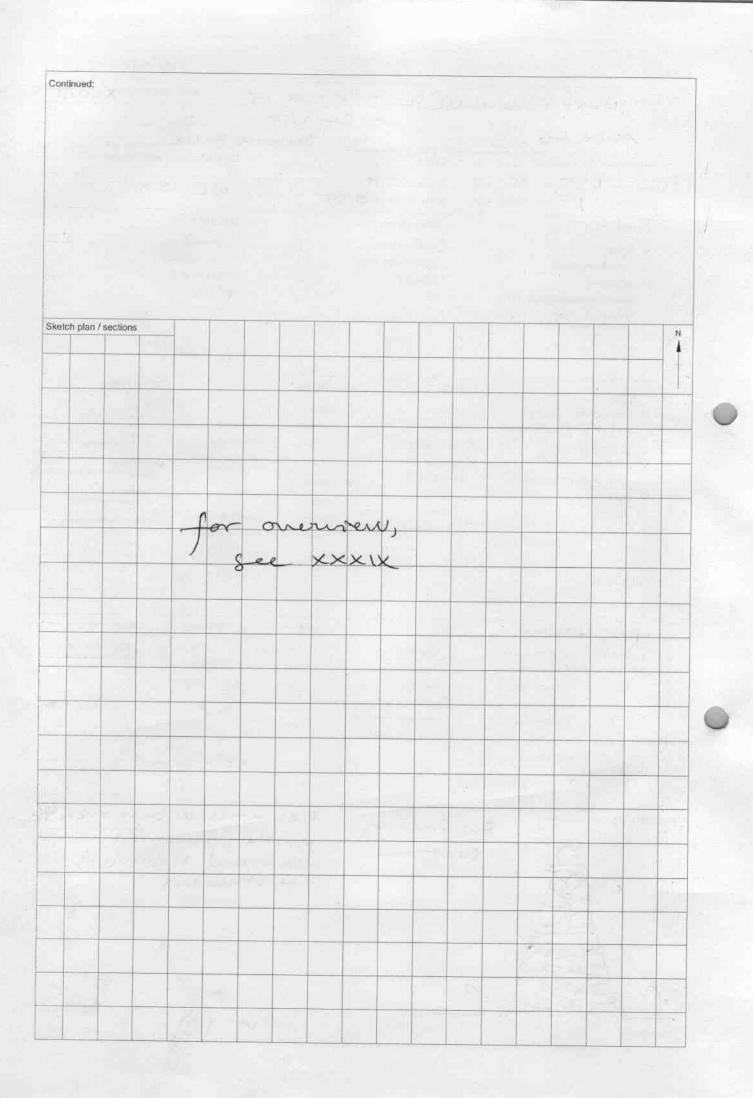
11

EN	IAME: Wer	+ stones	dall PL	SITE CODE: W	1000		SECTION NO.XXXVII
atio				Date: 24/7		-	
	Anea 4	6,47B		Surveyed by: T	nenese	Fall	e
	Height (eg. 1.5m or High Side: 1,5 Low side: 1,3	n ESE side) onE	Width le At base: ( le below top sto	m ones: 0,4m		J-S	of wall (eg, NNE - SSW)
+	Construction	<u></u>	Stone face	ed bank	S	ituation	
	double single above do vertical slab retaining (give d	etails below) Is below e.g. orthostatic,	☐ with wall ☐ with hedg ☐ by itself			on earth ba by earth ba next to dito by itself	ank
_	V21-1-		Stoppe	Top Stones			Stone Type
	Style		Stones				□ slatey
	No. of through-bar		round	Laminar	Angled up	linte	(laminar, hard, smooth)
	0 2	continuous	irregular	Vertical	Angled d		granity
			almost square	Angled		mbination	(round, hard, smooth)
	Coverband		Horizontal		(give details	below)	(laminar/round, lumpy, hard/so
-	stones dresse	d thoroughly	Vertical	Boulders			sandstone
netall	coursed		Angled	Dressed			(fine compressed grains)
	random		other (give details	below) Square	Semi circ		other (give details below)
	Details / notes:			Triangle	other (give	e declaids (Sellow)	
	Burnt	Bourders	at loonton Stile	Triangle	other (give	Bridge	Other
	Burnt	Wall Head	at borton	_ Triangle	other (give		Niche, bee-bole et
of wealth	Burnt Smoots	Wall Head	at loorton Stile	Gate		Bridge	
ergits of well)	Burnt	Wall Head	at locrton Stile □ squeeze	Gate	rm vehicle	Bridge	Niche, bee-bole et (give details below)
(when reportibly bengths of well)	Smoots Smoots	Wall Head within wall length at wall junction	Stile Stile Stile Stips to top Step/squeeze Wood over to Step/squeeze	Gate	rm vehicle	Bridge Arch Slab	Niche, bee-bole et (give details below)
PB4IUIES (when reporting lengths of well)	Smoots Smoots	Wall Head within wall length at wall junction at gate/stile with stoup	Stile Stile Steps to top Step/squeeze wood over v	Gate	rm vehicle	Bridge Arch Slab	Niche, bee-bole er (give details below)
Features (when recording lengths	Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup section	Stile Stile Stile Steps to top Step/squeez wood over s other (give d	Gate Gate Fa Dece Wall Stone stile Stone stile Stone stile	rm vehicle rse rson	Bridge Arch Slab Not sto	Niche, bee-bole e (give details below)
Features (when recording lengths	Burnt ' Smools ' sheep [ water ] rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup section	Stile Stile Stile Steps to top Step/squeez wood over s other (give d	Gate Gate Fa Dece Wall Stone stile Stone stile Stone stile	rm vehicle rse rson	Bridge Arch Slab Not sto	Niche, bee-bole e (give details below)
Features (when recording lengths	Burnt ' Smools ' sheep [ water ] rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup section	Stile Stile Stile Stips to top Step/squeeze Wood over to Step/squeeze	_ Triangle Mortar Gate Fa Hc ze wall stone stile hetalis below) USEA Let e Let e	m vehicle irse irson	Bridge Arch Slab Not sto	Inscription (give details below) Inscription (give details below) South manages by It from m bounder
F G3[UTGS (when reputing lengths	Burnt ' Smools ' sheep [ water ] rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup section	Stile Stile Stile Steps to top Step/squeez wood over s other (give d	_ Triangle Mortar Gate Fa Hc ze wall stone stile hetalis below) USEA Let e Let e	rm vehicle rse rson	Bridge Arch Slab Not sto	Inscription (give details below) Inscription (give details below) South maneger of the from m bounder
Features (when reporting lengths	Burnt ' Smools ' sheep [ water ] rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup section	Stile Stile Stile Steps to top Step/squeez wood over s other (give d	_ Triangle Mortar Gate Fa Hc ze wall stone stile hetalis below) USEA Let e Let e	m vehicle irse irson	Bridge Arch Slab Not sto	Inscription (give details below) Inscription (give details below) South maneer of it from m bounder

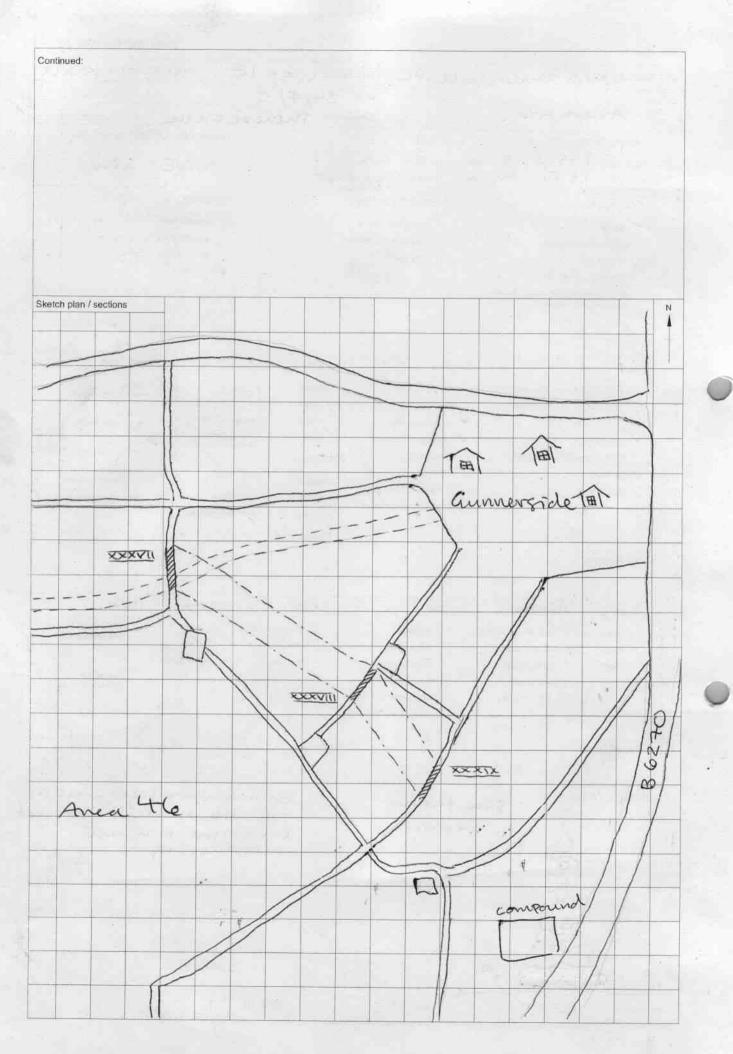


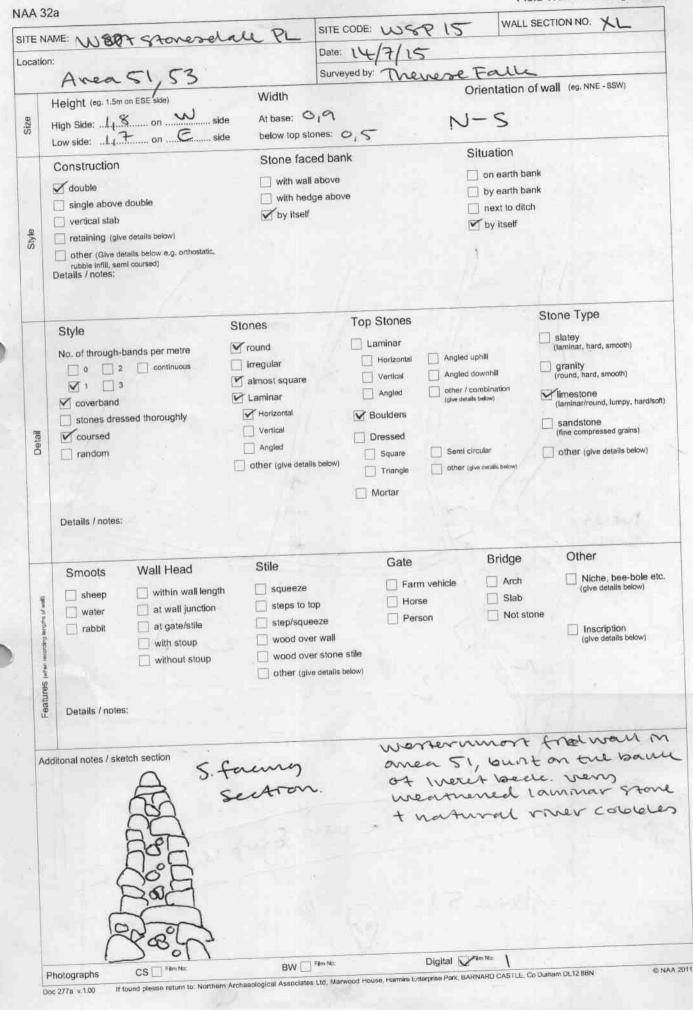
Field Wall Recording Sheet

	32a				
TEI	VAME: West stones	rdall PL	SITE CODE: WST	212	
cati			Date: 24/7/		
	Area 46		Surveyed by: The	vese Fal	
2120	Height (eg. 1.5m on ESE side) High Side: 1,55 on 55	Width side At base: <	0,9		tion of wall (eq. NNE - SSW) E - S W
	Low side: 1,55 on NW	side below top st	tones: 0,35		
	Construction	Stone fac	ced bank	Situatio	n
	double	i with wal	ll above		rth bank
	single above double	with her	ige above		rth bank
	vertical slab	Dy itself		by its	o ditch
ervie	<ul> <li>retaining (give details below)</li> <li>other (Give details below e.g. orthostatic, rubble infill, semi coursed)</li> <li>Details / notes;</li> </ul>			<u>y</u> 0718	
	Style	Stones	Top Stones		Stone Type
	No, of through-bands per metre	round	🗌 Laminar		slatey
		irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
		almost square	U Vertical	Angled downhill	(round, hard, smooth)
	Coverband	🗹 Laminar	Angled	(give details below)	Imestone (laminar/round, lumpy, hard/so
-	stones dressed thoroughly	Horizontal	Boulders		
ai	Coursed	Vertical Angled	Dressed		(fine compressed grains)
0					
De	Details / notes:	Argeb     Argeb     Other (give details	s below) Square Triangle	Semi circular	other (give details below)
De	Details / notes:		s below)		**
De	Details / notes: Smoots Wall Head	c other (give details	s below) Triangle	Other (give details belo	e Other
(P)	Details / notes: Smoots Wall Head sheep within wall lengt	conter (give details conter (	s below) Triangle Mortar Gate Farm	other (give setails belo Bridg	e Other
(Ba	Details / notes:          Smoots       Wall Head         sheep       within wall lengt         water       at wall junction	c other (give details	s below) Triangle Mortar Gate Farm Horse	other (give setails belo Bridg vehicle Arr e Siz	e Other
(Ba	Details / notes:          Smoots       Wall Head         sheep       within wall lengt         water       at wall junction	Stile h Squeeze steps to to	s below) Triangle Mortar Gate Farm p J Farm Perso	other (give setails belo Bridg vehicle Arr e Siz	e Other ch Niche, bee-bole et (give details below) it stone Inscription
(Ba	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile	Stile  Stile  squeeze steps to to step/squee wood over	s below) Triangle Mortar Gate Farm p J Farm Perso	other (give setails belo Bridg vehicle Arr e Siz	e Other ch Niche, bee-bole et (give details below) ab
	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup	other (give details     other (give details     Stile     squeeze     steps to to)     step/squee     wood over     wood over     wood over	s below)  Triangle Triangle Mortar  Gate Farm P Horse Seze Vall	other (give setails belo Bridg vehicle Arr e Siz	e Other ch Niche, bee-bole etc (give details below) t stone Inscription
	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup	other (give details     other (give details     Stile     squeeze     steps to to)     step/squee     wood over     wood over     wood over	s below) Triangle Mortar Gate Farm P Stone stille Triangle Horse Perse Stone stille	other (give setails belo Bridg vehicle Arr e Siz	e Other ch Niche, bee-bole et (give details below) it stone Inscription
Features (when monotoling lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below) Triangle Mortar Gate Farm P Horse stone stile details below)	other (give setails belo Bridg ovehicle Arr e Siz on Siz on No	e Other ch Niche, bee-bole etc (give details below) it stone Inscription (give details below)
Features (when monthing lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below) Triangle Mortar Gate Farm P Horse stone stile details below)	other (give setails belo Bridg ovehicle Arr e Siz on Siz on No	e Other ch Niche, bee-bole ett (give details below) it stone Inscription (give details below)
Features (when monthing lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	other (give details     other (give details     Stile     squeeze     steps to to)     step/squee     wood over     wood over     wood over	s below) Triangle Mortar Gate Farm P Horse stone stile details below)	other (give setails belo Bridg ovehicle Arr e Siz on Siz on No	e Other ch Niche, bee-bole ett (give details below) it stone Inscription (give details below)
Features (when monthing lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on Siz on No No No No No No No	e Other ch Niche, bee-bole et (give details below) it stone Inscription (give details below) within aveat within aveat Moderate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	other (give setails belo Bridg ovehicle Arr e Siz on Siz on No	e Other ch Niche, bee-bole etc (give details below) it stone Inscription (give details below) within aveat within aveat Moderate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on Siz on No No No No No No No	e Other ch Niche, bee-bole et (give details below) it stone Inscription (give details below) within aveat within aveat Moderate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on Siz on No No No No No No No	e Other ch Niche, bee-bole et (give details below) it stone Inscription (give details below) within aveat within aveat howed hodevate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on No No No No No No No No	e Other ch Niche, bee-bole et (give details below) it stone Inscription (give details below) within aveat within aveat howed hodevate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on No No No No No No No No	e Other ch Niche, bee-bole et (give details below) it stone Inscription (give details below) within aveat within aveat Moderate
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall lengt water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle  Triangle  Mortar  Gate Farm P Horse aze Vall Stone stille details below)  File	Dether (give setails belo Bridg vehicle Arr e Siz on No No No No No No No No	e Other ch Niche, bee-bole etc (give details below) it stone Inscription (give details below) within aveat within aveat Moderate
Features (when recording lengths of well)	Details / notes:          Smoots       Wall Head         sheep       within wall lengt         water       at wall junction         rabbit       at gate/stile         with stoup       without stoup         Details / notes:       without stoup	Stile Stile Steps to top Step/squee wood over other (give	s below)  Triangle Mortar  Gate Farm P Farm P Stone stille detalls below)  Five C C C C C C C C C C C C C C C C C C C	Dether (give setails belo Bridg vehicle Arr e Siz on No No No No No No No No	e Other ch Niche, bee-bole etc (give details below) it stone Inscription (give details below) within aveat within aveat Moderate

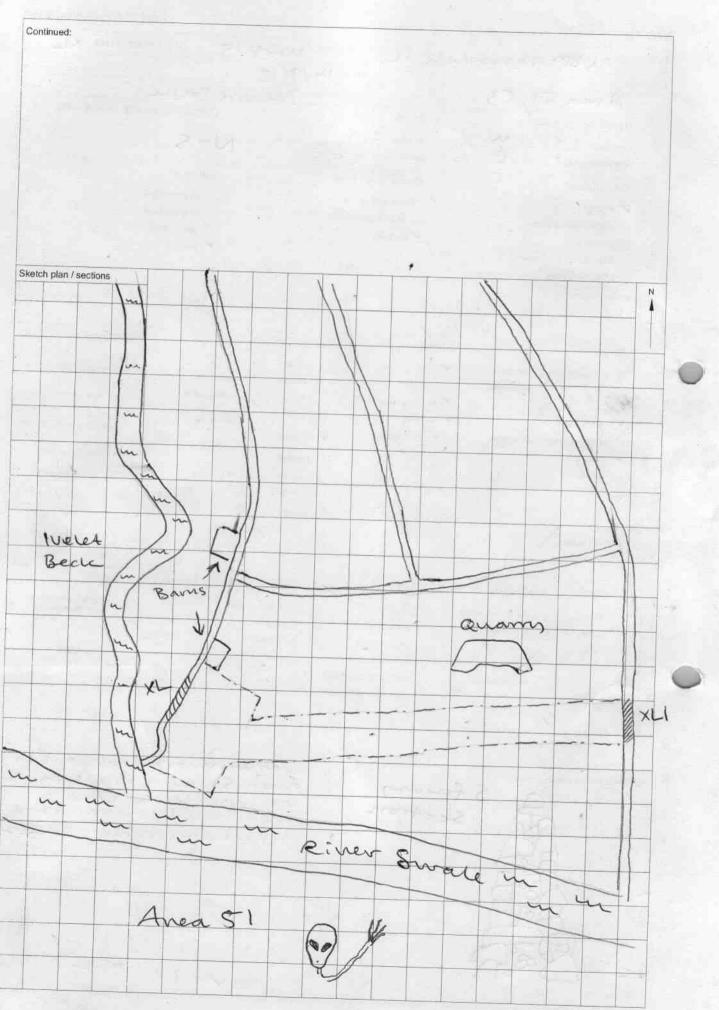


TEN	VAME: When	t stonesd	ale PL	SITE CODE: WS		1.00	SECTION NO. XXX/X
cati	on:	a 4le		Date: 24/4	115		
	Ane	a 46		Surveyed by: Th	enese F	alle	
T	Height (eg. 1.5n	n on ESE side)	Width		Ori	entation of	of wall (eg. NNE - SSW)
200	High Side:]	85 on E si 85 on W si		0,9 ones: 0,45		NNE	e-ssw
+			Stone fac	ed bank	Sit	uation	
	Construction				E	on earth ba	nk
	double		with wall	ge above		by earth ba	
	vertical slab	double	by itself	go aboro	- Ö	next to ditch	1 7
Style	retaining (giv	e details below)			V	by itself	
ñ		etails below e.g. orthostatic,					
-	Shile		Stones	Top Stones			Stone Type
	Style			Laminar			slatey
	No. of through-l	bands per metre	irregular	Horizontal	Angled uphil	(	(laminar, hard, smboth)
			almost square	Vertical	Angled down	nhill	granity (round, hard, smooth)
	coverband		Laminar	Angled	other / comb		limestone
	stones dres	sed thoroughly	Horizontal	Boulders	La contraction of the		(laminar/round, lumpy, hard/sol
Detail	Coursed		Vertical _	Dressed			(fine compressed grains)
0	random		Angled	Square	Semi circula	r	other (give details below)
			other (give details	below)	other (give de	calls hadred	
-				🗌 Triangle			
	Details / notes:			Mortar			
	Details / notes: Smoots	Wall Head	Stile	C Mortar Gate		3ridge	Other
atte		i within wall length	Squeeze	Gate	n vehicle	3ridge	Other
(then or well)	Smoots	within wall length at wall junction	squeeze	Gate	n vehicle	Bridge Arch Slab	Niche, bee-bole etc (give details below)
	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> </ul>	squeeze steps to top	Gate	n vehicle	3ridge	Niche, bee-bole etc (give details below) e Inscription
	Smoots Smoots sheep water	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> </ul>	squeeze	Gate Gate Fam Hors ze Pers wall	n vehicle	Bridge Arch Slab	Niche, bee-bole etc (give details below)
Features (when manzing langua of well)	Smoots Smoots sheep water	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> </ul>	squeeze steps to top step/squeez wood over	Gate Gate Fam Hors ze Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc (give details below) e Inscription
Features (when recording terryths of	Smoots sheep water rabbit	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>with stoup</li> <li>without stoup</li> </ul>	squeeze steps to top step/squeez wood over v wood over s other (give d	Mortar     Gate     Gate	n vehicle [ e [ ion ]	Bridge Arch Slab Not ston	Niche, bee-bole etc (give details below)
Features (when mooning langua of	Smoots Sheep vater rabbit	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>with stoup</li> <li>without stoup</li> </ul>	squeeze steps to top step/squeez wood over wood over	Gate Gate Fam Pers vall stone stile setalls below)	n vehicle [ e [ ion ]	Bridge Arch Slab Not ston	Niche, bee-bole ett (give details below) e Inscription (give details below) field wall is field wall is entry quary rinimal
Features (when recording terryths of	Smoots Sheep vater rabbit	within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeez wood over v wood over s other (give d	Gate Gate Fam Pers vall stone stile setalls below)	in vehicle [ ine [ inon	Bridge Arch Slab Not ston	Niche, bee-bole ett (give details below) e Inscription (give details below) field wall is field wall is entry quary rinimal
Features (when recording langua of	Smoots Sheep vater rabbit	within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeez wood over v wood over s other (give d	Gate Gate Fam Pers vall stone stile setalls below)	in vehicle [ ine [ inon	Bridge Arch Slab Not ston	Niche, bee-bole etc. (give details below) e Inscription (give details below) filed wall f filed wall f struct quart tinimal





- 1



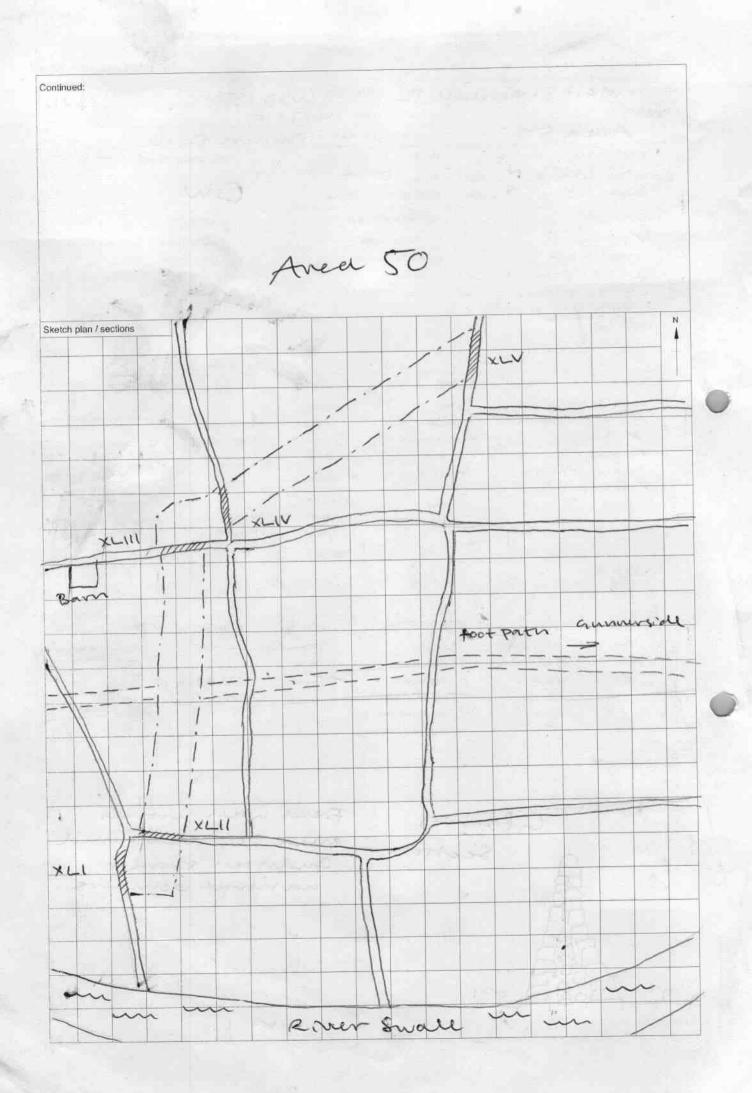
NAA 32a

E /	on:			Date: 14/7/15	>	
		SA CI			ese Fall	1
1	trea	50,51	1A/Ldth	They want		of wall (eg. NNE - SSW)
	Height (eg. 1.5	im on ESE side)	Width		Onemation	or wan the
	High Side:l	65 on E s	ide At base: O		N-S	
	Low side:	65 on ~ s	ide below top sto	nes: 0,5	•• •	
1	Construction	1	Stone face	d bank	Situation	
	double		with wall a	above	🔲 on earth ba	ank
ł	single abov	e double	with hedg		by earth ba	ank
1	vertical slat		by itself		next to dite	ch
a fin		ve details below)			by itself	
	2 . S .	ietails below e.g. orthostatic,				
	rubble infill, se Details / notes:					
T	Style		Stones	Top Stones		Stone Type
	No. of through-	bands per metre	round	Laminar		(laminar, hard, smooth)
			🔲 irregular	Horizontal	Angled uphill	
		3	almost square	Vertical	Angled downhill	(round, hard, smooth)
	Coverband		M Laminar	Angled	other / combination (give details below)	Timestone
	stones dre	ssed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/se
	Coursed		Vertical	Dressed		(fine compressed grains)
1	random		Angled	Square	Semi circular	other (give details below)
				_ ordnore	CONCERNMENT (AND INVESTIGATE)	
	Details / notes:		other (give details b	elow) Triangle Mortar	other (give details below)	
		Wall Head		elow) Triangle Mortar	Other (give densits below)	Other
	Details / notes: Smoots	Wall Head	Stile	elow) Triangle Mortar Gale	other (give densits below) Bridge	Other
WORD	Smoots	within wall length	Stile	elow) Triangle Mortar Gate Farm vehi	other (give densitis below) Bridge cle Arch	Other
5	Smoots	within wall length	Stile Stile Stueeze Steps to top	elow) Triangle Mortar Gate Farm vehi Horse	other (give details below) Bridge cle Arch	Other
5	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> </ul>	Stile Stile Stueeze Steps to top Step/squeeze	elow) Triangle Triangle Mortar Gate Farm vehi Horse Person	other (give densitis below) Bridge cle Arch	Other
5	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over w	elow) Triangle   Mortar Gale Farm vehi Horse e Person rall	other (give details below) Bridge cle Arch	Other
5	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> </ul>	Stile Stile Stueeze Steps to top Step/squeeze	elow) Triangle   Mortar Gate Farm vehi Horse e Person rall tone stile	other (give details below) Bridge cle Arch	Other
S.	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	elow) Triangle   Mortar Gate Farm vehi Horse e Person rall tone stile	other (give details below) Bridge cle Arch	Other
5	Smoots	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>without stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	elow) Triangle   Mortar Gate Farm vehi Horse e Person rall tone stile	other (give details below) Bridge cle Arch	Other
b.	Smoots sheep water rabbit	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>without stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Person rall tone stile tails below)	other (give densits below) Bridge cle Arch Slab Not stor	Other
a suffum functionat usum) spinippaul	Smoots sheep water rabbit	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>without stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give densitie below) Bridge cle Arch Slab Not stor	Other  Niche, bee-bole etc (give details below)  ne  Inscription (give details below)
o sunfisiar Functional Johanni Continnipos J	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give densitie below) Bridge cle Arch Slab Not stor	Other  Niche, bee-bole etc (give details below)  ne  Inscription (give details below)
o sunfisiar Functional Johanni Continnipos J	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
o sunfisiar Functional Johanni Continnipos J	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
o malina Employer denal on import	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other  Niche, bee-bole etc (give details below)  ne  Inscription (give details below)
a suffum functionat usum) spinippaul	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
o sunfisiar Functional Johanni Continnipos J	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
Fediules (when recording lenguis of	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
a suffum functionat usum) spinippaul	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup ch section	Stile Squeeze Steps to top Step/squeeze Wood over st Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
C Features were recording lengths of well	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze Wood over si Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
Fediules (when recording lenguis of	Smoots sheep water rabbit Details / notes	within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze Wood over si Other (give de	elow)    Triangle      Mortar   Gate    Farm vehi    Horse    Horse    Person rall tone stille tails below)	other (give details below) Bridge cle Arch Slab Not stor	Other
Fediules (when recording lenguis of	Smoots sheep water rabbit Details / notes	<ul> <li>within wall length</li> <li>at wall junction</li> <li>at gate/stile</li> <li>with stoup</li> <li>without stoup</li> </ul>	Stile Squeeze Steps to top Step/squeeze Wood over si Other (give de	elow)    Triangle      Mortar    Farm vehi    Horse    Horse    Person rall tone stille tails below)    Ear Man gun	other (give details below) Bridge cle Arch Slab Not stor	Other



NAA 32a

Arren SD       Date: 11/A/15         Surveyred by: Therease Facture         Height (reg. 15m on 655 size)         Height (reg. 15m on 655 size)         Height (reg. 15m on 655 size)         Width         Orientation of wall (reg. NRE-55W)         At base: 0, FS         Low side: 1.4.9on	SITE NAME: When Stones	dale PL !	SITE CODE: WSP L	C WAL	
Height (eg. 1.5m on ESE sko)       Width       Orientation of wall (eg. NNE - 55W)         High Side:       I. (eg. n. (eg	Location:			- <u>-</u>	~~~~
Wildth       Orientation of wall (rg.NKE-SSW)         Wildth       Orientation of wall (rg.NKE-SSW)         Wildth       At base: O, L         Construction       Store faced bank         Vertical stab       Situation         Integrating (rg. RKE-SSW)       Situation         Vertical stab       Situation         Integrating (rg. RKE-SSW)       Situation         Vertical stab       Integrating (rg. RKE-SSW)         Style       Store faced bank         Integrating (rg. RKE-SSW)       Integrating (rg. RKE-SSW)         No. of through-bands per metre       Orientation of wall (rg. RKE-SSW)         Vertical stab       Integrating (rg. RKE-SSW)         Vertical stabol (	Area 50	S	Surveyed by: Dagage	ne In	11 -
Style     S	High Side: 146 on N	side At base: 🔿	75	Orientation	
No. of through-bands per metre       round       Laminar       Statuy         0       2       continuous       irregular       Horizontil       Angled uphili         1       3       almost square       Vertical       Angled downhili       grantify (round, lard, smooth)         1       3       almost square       Vertical       Angled downhili       grantify (round, lard, smooth)         1       5       almost square       Vertical       Other / continuation (see series betwoin)       Iffice compressed grains)         1       coursed       Vertical       Dressed       Sent circular       Other (give details betwoin)         1       random       Angled       Status       Sent circular       Other (give details betwoin)         1       random       angled       Sent circular       Other (give details betwoin)       Triangle         1       random       angled       Sent circular       Other (give details betwoin)       Triangle         1       other (give details betwoin)       Triangle       other (give details betwoin)       Triangle         1       other (give details betwoin)       Status       If details betwoin)       Other (give details betwoin)         1       statiget/status       Status       Status       If	double     single above double     vertical slab     retaining (give details below)     other (Give details below e.g. orthostatic, rubble infil, semi coursed)	with wall abo with hedge a	ove	<ul> <li>on earth b.</li> <li>by earth b.</li> <li>next to dite</li> </ul>	ank
Image: State     Image: State     Image: State     Image: State     Image: State       Image: State     Image: State     Image: State     Image: State     Image: State       Image: State     Image: State     Image: State     Image: State     Image: State       Image: State     Image: State     Image: State     Image: State     Image: State       Image: State     Image: State     Image: State     Image: State     Image: State       Image: Image: State     Image: State     Image: State     Image: State     Image: State       Image: Imag	No. of through-bands per metre	round rregular  almost square  Laminar  Vertical Angled	Laminar Horizantai Angle Venicai Angle Angled other Boulders Dressed Square Semi Triangle other	ed downhill / combination eraits below) circular	<ul> <li>slatey (laminar, hard, smooth)</li> <li>granity (round, hard, smooth)</li> <li>Imestone (laminar/round, lumpy, hard/so</li> <li>sandstone (fine compressed grains)</li> </ul>
Efacures field wan wennend	(may be used on the strength of the strength o	squeeze steps to top step/squeeze wood over wall wood over stone s	Farm vehicle Horse Person	Arch	Niche, bee-bole etc. (give details below)
	dditonal notes / sketch section E. fa	ennez Sectron	anca s	0. W4	entrened



NAA	32a	and the second se				Field Wall Recording She
SITE	NAME: WN	ert Stones	relate PL	SITE CODE: WSP	15 W	ALL SECTION NO. XLT
Loca	tion:	a su		Date: 27/7/1	5	
	Atre	a sc		Surveyed by: Then	ese Fai	le
	Height (eg.	1.5m on ESE side)	Width		Orientatio	on of wall (eg. NNE - SSW)
Size	High Side:	,2 on S	side At base: 🖸	.65	En	. /
	Low side:	0,9 on N		nes: 0,5	En	$\sim$
	Constructio	on	Stone face	d bank	Situation	
	double		with wall a	above	on earth	back
		ove double	with hedg		by earth	
1.	vertical size	ab	by itself		next to d	
Style	retaining (	(give details below)			🕑 by itself	
		e details below e.g. onhostatic, semi coursed)				
	Details / notes					
_	0.1				_	
= ]	Style		Stones	Top Stones		Stone Type
		n-bands per metre	round	Laminar		<ul> <li>slatey (laminar, hard, smooth)</li> </ul>
		2 Continuous	irregular		Angled uphill	granity
	Coverband		Laminar		Angled downhill other / combination	(round, hard, smooth)
		essed thoroughly	Horizontal		give details (below)	limestone (laminar/round, lumpy, hard/soft)
Detail	Coursed		Vertical	Boulders		sandstone
ã	random		Angled	Dressed		(fine compressed grains)
			other (give details be	ow)	Semi circular other (give details below)	Other (give details below)
					ALLER (See Decisio Decivity)	
	Details / notes:			Mortar		
	Dotana / Hotea.					
	Smoots	Wall Head	Stile	Gate	Bridge	Other
(perv	sheep	within wall length	squeeze	Farm vehicle	a 🗌 Arch	Niche, bee-bole etc. (give details below)
To stitle of	water	at wall junction	steps to top	Horse	Slab	
ding lie	l rabbit	at gate/stile with stoup	step/squeeze	Person	Not stor	
en recor		with stoup	wood over stor			(give details below)
S (wha		Summed States of Concession, States of Conce	other (give detai			
Features (when						
Fee	Details / notes:					
Addito	nal notes / sketo	ch section		· · · ·		à la
			erennez	frend u	secce u	ritum anea
		2	ectron	50. M	ixed of	narnied
		9		stone	be nat	rral
		0				eathered.
		F				
		ATA		Alousa	my f	nerd barn
	F	Der		fortue	west	
	ć	DAK ~	3	cocra		
	r t	195-1				
19	1 1	1-01	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.			
C						
hate	graphs (		BW [] Film No:	Digital 🗸	Mim No: 1	

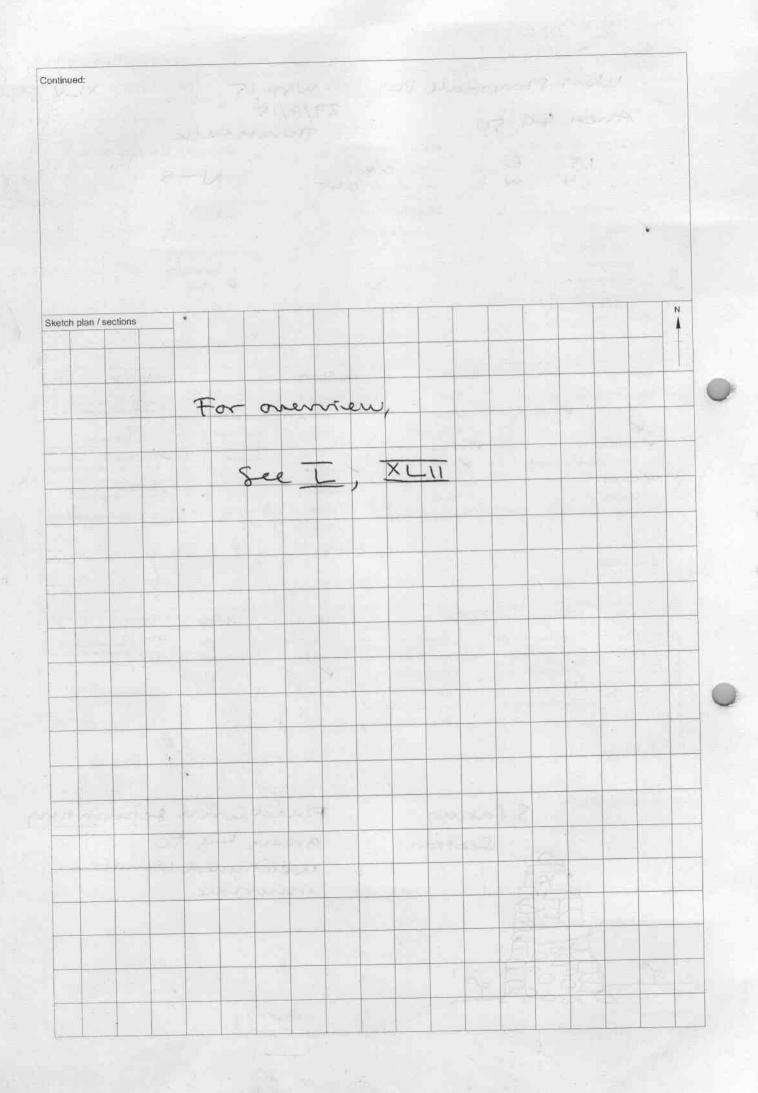


NAA 32a Field Wall Recording Sheet SITE NAME West Stoneselale PL SITE CODE: WSP 15 WALL SECTION NO. XLIV Location: Date: 27/7/15 Anea 50 Surveyed by: menese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) High Side: 1, 1 on W side Size At base: 0,6 N-S Low side: 0,8 on E side below top stones: O, 4 Construction Stone faced bank Situation double with wall above on earth bank single above double with hedge above D by earth bank vertical slab by itself next to ditch Style retaining (give details below) W by itself Other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar (laminar, hard, smooth) 0 2 continuous Irregular Horizontal Angled uphill 1 3 granity (round, hard, smooth) almost square Ventical Angled downhill Coverband Laminar other / combination Angled limestone stones dressed thoroughly Horizontal (laminar/round, lumpy, hard/soft) Boulders Detail Coursed Vertical (fine compressed grains) Dressed random Angled Square Semi circular other (give details below) other (give details below) Triangle Other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other Sheep within wall length squeeze Farm vehicle Niche, bee-bole etc. Arch water at wall junction steps to top Horse Slab rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription (give details below) without stoup wood over stone stile other (give details below) Features Details / notes: Additonal notes / sketch section S. facmon Sectron Frend wall wohn area 50. Mixed quarral Stone & natural bourders C C CS Film No: Photographs BW Film No: Digital Min Nor Doc 277a v.1.00 If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Ourham DL12 88N © NAA 2011

Contin	ued:																		
															° 23			-	
														a.					
																		1	
																			F
<u> </u>			_	-									4	_		-		N	
SKetc	n plan / s	ecuons								_				-				4	
														4					
													5						
					for	- 0	me	rr	nei	$\mathcal{N}_{\mathcal{I}}$		-							
						8	ee	-	XL	-11									
	.0						4											10	
	5.5											-							
	-												- 2				e e P		
4								_						-					
					24														
																		7	
	_		2.2										-		÷				
														1.2					
		1. 1				-	- 14	1.5							5.3	178			
			10.0		0 - 35		1	80 P			and the	4.50	1						
		-	-															-	-
					1.14	Bark	-							15					+
															1			-	
															1				
				-							×.		1	12	10				
											_		¥.		2.	× 5			
							1					1	1.3	1	1	1,	1	-	1

Field Wall Recording Sheet SITE NAME: Went Stonesdall PL SITE CODE: WSP 15 WALL SECTION NO. XLV Location: Date: 27/7/15 Anen 49, 50 Surveyed by: Thenese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) Size High Side: 1.5 on E side At base: 0,8 N-S below top stones: 0,45 Construction Stone faced bank Situation double with wall above on earth bank single above double with hedge above by earth bank Vertical slab by itself next to ditch Style retaining (give details below) by itself Other (Give details below e.g. onhostatic, rubble infill, semi coursed) Details / notes; Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar (larninar, hard, smooth) 0 2 Continuous 🗌 irregular Horizonta Angled uphill almost square granity (round, hard, smooth) Vertical Angled downhill coverband Laminar Angled other / combination stones dressed thoroughly (give details below) **Imestone** Horizontal (laminar/round, lumpy, hard/soft) Boulders Detail Coursed Vertical (fine compressed grains) Dressed random Angled Square Semi circular other (give details below) Other (give details below) Triangle Other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length Squeeze Farm vehicle (III) Arch Niche, bee-bole etc. water at wall junction (give details below) steps to top Horse Slab rabbit at cate/stile step/squeeze Person Not stone with stoup wood over wall (give details below) without stoup wood over stone stile other (give details below) Features Details / notes: Additonal notes / sketch section S facing Section Fierd wall separating aneus 49, 50. Weathened laminan imestone. Photographs CS Film No BW [] Film No; Digital Film No: | Doc 277a y 1.00 If found please return to: Northers Archaeological Associates Ltd, Marwood House, Hamile Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N © NAA 2011

NAA 32a



SITE	ENAME: LA						
Loca	ation:	en stone	solale PL	SITE CODE: W		VVA	LL SECTION NO. XLVI
	An	en Stone ea 49		Date: 27/7	· · ·	_	
-				Surveyed by: T	neuese	- Fal	u
Size	High Side:	1.5m on ESE side) 1.65 on E 1.6 on W	Width side At base; C side below top stor	),6 165: 0,4	0	N - N	n of wall (eg. NNE-SSW)
	Constructio	on	Stone face	d bank	q	ituation	
Style	vertical sta	give details below) • details below e.g. orthostatic, semi coursed)	<ul> <li>with wall at</li> <li>with hedge</li> <li>by itself</li> </ul>	bove		on earth b by earth b next to ditt by itself	ank
	Style		Stones	Top Stones			Chara Tara
		-bands per metre					Stone Type
	1 mm	2 continuous	irregular				(laminar, hard, smooth)
		3	almost square	U Horizontai	Angled uphi		granity
	C coverband		Z Laminar	Angled	other / comb		(round, hard, smooth)
	in the second se	ssed thoroughly	Horizontal	Boulders	(give details bei	DW)	(laminar/round, lumpy, hard/so
	M coursed		Vertical				sandstone
Detail	- mandam		THE LOCAL PROPERTY AND	Dressed			
Det	🔲 random		Angled	Dressed	Semi circula	r	(fine compressed grains)
Det	random     random     Details / notes:		Angled  other (give details bolow	Square	Semi circula		(Tine compressed grains)
(jaw		Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup		w) Square Triangle Mortar Gate Farm Horse Person e stile	other (give det		Other
(New to mathematication at the second s	Details / notes: Smoots sheep water	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details bolow     Stile     squeeze     steps to top     step/squeeze     wood over wall     wood over stone     other (give details	w) Square Triangle Mortar Gate Farm Horse Person e stile	other (give set	alls below) Fridge Arch Slab Not stone	Other Niche, bee-bole etc. (give details below) Inscription (give details below)
(New to mathematication at the second s	Details / notes: Smoots sheep water rabbit	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details bolow     Stile     squeeze     steps to top     step/squeeze     wood over wall     wood over stone     other (give details	w) Square Triangle Mortar Gate Farm Horse Person e stile	other (give set	alls below) Fridge Arch Slab Not stone	Other Niche, bee-bole etc. (give details below) Inscription (give details below)
(New to mathematication at the second s	Details / notes: Smoots sheep water rabbit	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details bolow     other (give details bolow     Stile     squeeze     steps to top     step/squeeze     wood over wall     wood over stone	w) Square Triangle Mortar Gate Farm Horse Person e stile	other (give set	alls below) Fridge Arch Slab Not stone	Other Niche, bee-bole etc. (give details below) Inscription (give details below)
(New to mathematication at the second s	Details / notes: Smoots sheep water rabbit	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details bolow     Stile     squeeze     steps to top     step/squeeze     wood over wall     wood over stone     other (give details	w) Square Triangle Mortar Gate Farm Horse Person e stile	other (give set	alls below) Fridge Arch Slab Not stone Luce	Other Other Niche, bee-bole etc. (give details below) Inscription (give details below)
(line to suffice futurosa) much component	Details / notes: Smoots sheep water rabbit	within wall length at wall junction at gate/stile with stoup without stoup	other (give details bolow     Stile     squeeze     steps to top     step/squeeze     wood over wall     wood over stone     other (give details	w) Square Triangle Mortar Gate Farm Horse Person e stile	There anea Lan	alls below) Fridge Arch Slab Not stone Luce	Other Other Niche, bee-bole etc. (give details below) Inscription (give details below)



NAA 32a

5111	00-11 01000	sound it	SITE CODE: W	• / / 2	WALL SECTION NO. XLVI
LOC	ENAME: Wert Stone ation: Anen 49		Date: 27/7	115	
-	i cranc del		Surveyed by: TV	ienese F	Falle
Size	Height (eg. 1.5m on ESE side) High Side: 1.8 on E Low side: 1.6 on W		0,75 ones: 0,4	Orie	N-S
Style	Construction const	Stone face with wall with hedge by itself	above		uation on earth bank by earth bank ext to ditch by itself
Detail	Style No. of through-bands per metre 0 2 Continuous 1 3 Coverband stones dressed thoroughly Coursed random	Stones	Top Stones Laminar Horizontal Vertical Angled Boulders Dressed Square	Angled uphill Angled downhil other / combina (give details below) Semi circular:	(round, hard, smooth) ition Immestone (taminar/round, tumpy, hard/soft) (fine compressed grains)
	Details / notes:	Other (give details be)	kow) Triangle	other (give details	beisw)
Fedd LUTERS (when recording lengths of well)	Details / notes:          Smoots       Wall Head         sheep       within wall length         water       at wall junction         rabbit       at gate/stile         with stoup       without stoup	Stile Stile Stips to top Step/squeeze wood over wal other (give details	Gate Gate Farm v Horse Person	Bride	
	Smoots       Wall Head         sheep       within wall length         water       at wall junction         rabbit       at gate/stile         with stoup       with stoup         without stoup       without stoup	Stile Stile Stips to top Step/squeeze Wood over wal Wood over stor	Gate Gate Farm v Horse Person I ne stile Is below)	rehicle	dge Other Arch INiche, bee-bole etc. (give details below) Not stone Inscription

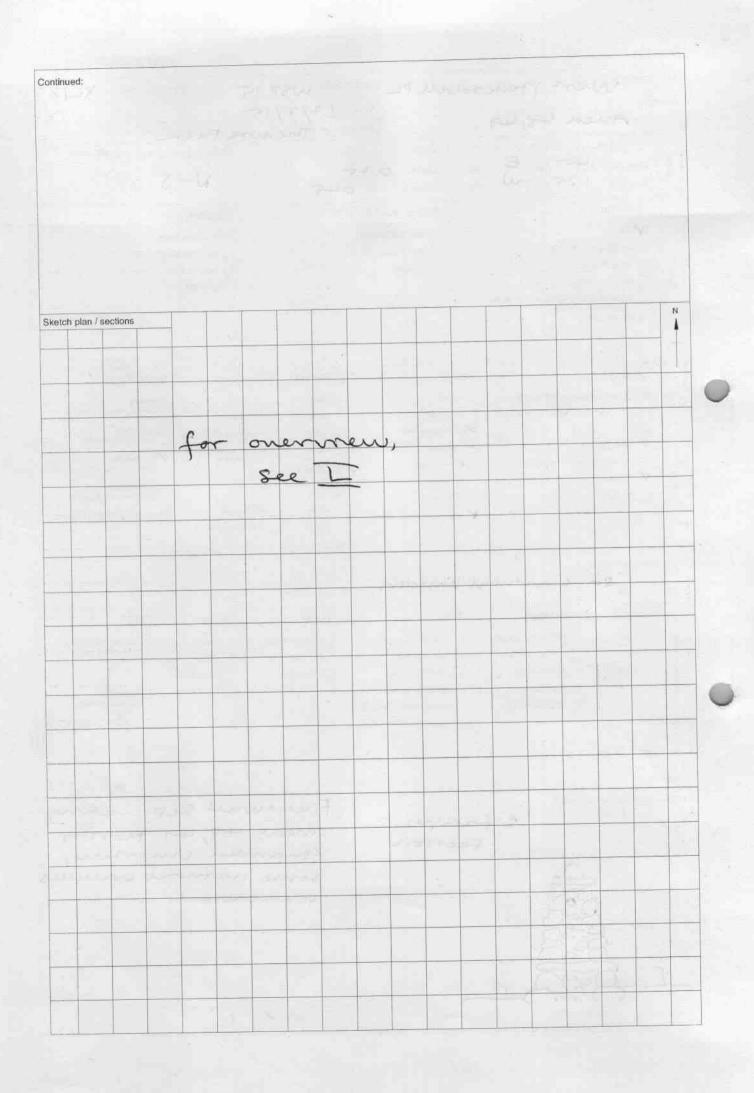


NAA 32a

1.000	wert stow	connecte	SITE CODE: WST		WALL SECTION NO. XLVI
LUCO	ENAME: Wert Story ation: Anea 49		Date: 27/7/		
_			Surveyed by: The	nese Fai	ile
Size	Height (eg. 1.5m on ESE side) High Side: 1,25 on E Low side: 1,25 on U		2,65 1es: 0,4	Oriental	ion of wall (eg. NNE - SSW)
Style	Construction  Construction  construction  construction  constructed  c	Stone faced with wall al with hedge by itself	bove		th bank Ih bank ditch
Detail	Style No. of through-bands per metre 0 2 continuous 1 3 Coverband stones dressed thoroughly coursed	Stones  round  rregular  almost square  Laminar  Vertical  Vertical	Top Stones	Angled uphill Angled downhill other / combination (give details beloe)	Stone Type Stone Type Slatey (laminar, hard, smooth) Granity (round, hard, smooth) Imestone (laminar/round, lumpy, hard/so sandstone
2	Details / notes:	Angled  Angled  other (give details below	Dressed     Square     Square     Triangle     Mortar	Semi circular	(fine compressed grains)
			w) Square	cther (give details below)	(fine compressed grains) (fine compressed grains) (fine compressed grains) (give details below) (give details below)
	Details / notes: Smoots Wall Head sheep within wall length water at wall junction at gate/stile with stoup without stoup Details / notes: nal notes / sketch section	Stile Stile Stile Stips to top Step/squeeze wood over wall wood over stone	w) Square   Triangle   Mortar Gate   Farm veh   Horse   Person e stile   below)	Conther (give details below)  Bridge  icle Arch Slab Not sto	(fine compressed grains)  other (give details below)  Other  Niche, bee-bole etc. (give details below)  Inscription (give details below)  www.imm

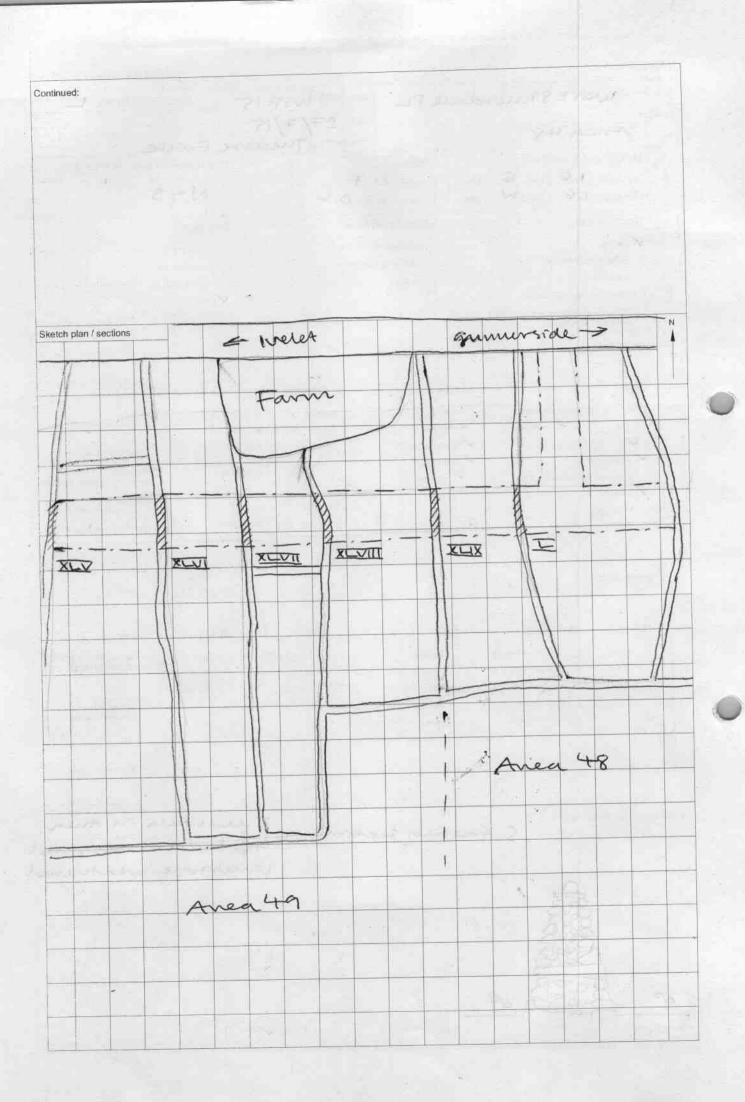
	-			_	_	-							5								
Contin	ued:																	de la			
																			×.,		
																			1		
ā T																					
									_	_	-	-	-	-				-		N	
Sketc	h plan /	section	ns				-													1	
		-	-									t									
×.	6.	1.5								5	1			.*		_			_	1	
								-							-		-	-			
					c	a	on	en	vi	en				240					~		
				7	7		on				-										
	h		_	_				Se	e.	L		+				_				-	
		<u>н</u> т.					- 3					ł			- 1			÷.			
	-		-									+				- 1			-		
	1			-																_	
																	a (1)		- 11		
		1	+			_		-					-	-	-		-				
		13			-																
	F														100						ŀ
							_				-	-	-		_						
		1			- 2										1.5						
	-	-								-											Î
								1			-	-	-		-				_	-	+
										-				3							
-		-	-		_						1									-	1
		- 1-		- 10								_	1								-
		1.24	-					1.4.7	3						14	1					
1				-	- 23	193	(1. S.a.)		-		1	-					1				1
			-43		2.13	4153	10.00	eri e								- 4	1.0				
				3		1.50	1.50							1		No.					
	-		-				_				-	-			-		-				-
							-			-							Street and street				_
	1															D.ª			Ξ.		1
			1										_		-		10		195		-
								<u>.</u>						in the second	1	1.1	15	-	ĨĽ.		
-										-											1
		8					120														

SITE NAME Wert Stenesdale PL SITE CODE: WALL SECTION NO. XLIX WSP 15 Location: Date: 27/7/15 Anea 48,49 Surveyed by: Thenese Falk Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) Size High Side: 145 on E .. side At base: 0.75 N-S Low side: 1.25 on W side below top stones: 0,45 Construction Stone faced bank Situation V double with wall above on earth bank single above double with hedge above by earth bank vertical slab by itself next to ditch Style retaining (give details below) by itself other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Style Stones Top Stones Stone Type No. of through-bands per metre round Laminar slatey 0 2 continuous (laminar, hard, smooth) irregular Horizontal Angled uphill 1 3 🗹 almost square granity (round, hard, smooth) Vertical Angled downhill Coverband Laminar Angled other / combination limestone stones dressed thoroughly Horizontal (laminar/round, lumpy, hard/soft) Boulders Detail V coursed Vertical sandstone Dressed random Angled (fine compressed grains) Square Semi circular other (give details below) other (give details below) Triangle Other (give details below) Mortar Details / notes: Some natural bourders Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole etc. (give details below) water at wall junction steps to top Horse Slab rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription (give details below) without stoup wood over stone stile other (give details below) Features Details / notes: Additional notes / sketch section Freidwall Sepenating S. facing section aneas 48, 49. Mosting quanned imentane, Some natural boundary weathered. go 0 00 CS Film No Photographs BW - Film No: Digital Film Na 1 Doc 277a v.1.00 If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 85N © NAA 2011



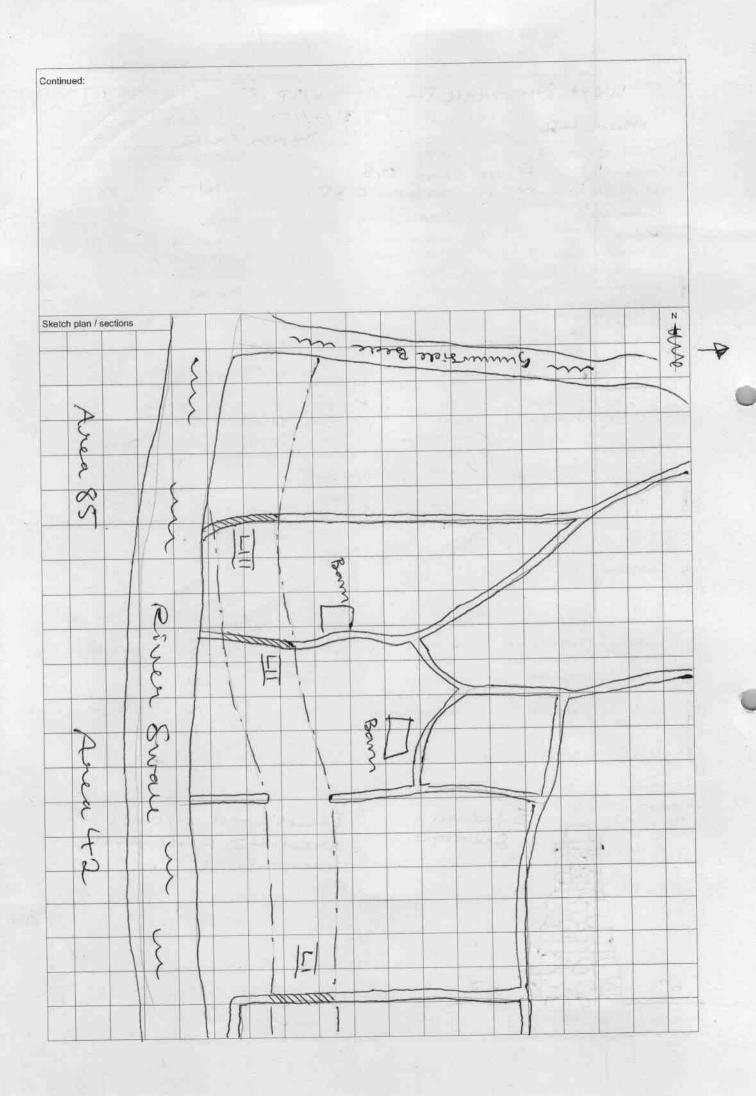
NAA 32a

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- · · · · · · · · · · · · · · · · · · ·	dall PL	SITE CODE: WS	SP 15	W	ALL SECTION NO.
Loc	ation:	a 48		Date: 27/7			
<u>.</u>	Ane	a 48		Surveyed by:	ener	Ea	11.0
Size	High Side:	1.5m on ESE side) 1.6 on E		<i>,</i> 7			on of wall (eg. NNE - SSW)
Style	vertical sla	we double ab give details below) t details below e.g. orthostatic, semi coursed)	Stone faceo	oove above		Situation on earth by earth next to d by itself	bank
Deigi	0 0 0 1 Coverband	-bands per metre 2 M continuous 3 ssed thoroughly	Stones round round rregular almost square Laminar Vertical Angled other (give details below	Top Stones Laminar Horizontal Vertical Angled Soluters Dressed Square Triangle	Angled upf Angled dow Other / com (glwr details bi Semi circui Other (give d	wnhill Ibination Nov) ar	Stone Type slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/sof sandstone (fine compressed grains) other (give details below)
	Details / notes:			Mortar			
	Details / notes: Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stuesze Steps to top Step/squeeze Wood over wall Wood over stone Other (give details to	Mortar Gate Farm Horse Persor stile	vehicle	Bridge Arch Slab Not ston	Other
	Smoots Sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeeze wood over wall wood over stone	Mortar Gate Farm Horse Persor stile	vehicle	Bridge Arch Slab Not ston	Niche, bee-bole etc. (give details below) e Inscription



NAA 32a

SITE NAME: Wert Stonesdale PL SITE CODE: WSPIS WALL SECTION NO. Location: Date: 3) Anea 42 Surveyed by: menese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) High Side: 1,7 on E Size 0.8 side At base: Low side: 1.7 on w side N-S below top stones: 0,45 Construction Stone faced bank Situation double with wall above on earth bank single above double with hedge above by earth bank vertical slab by itself Style next to ditch retaining (give details below) W by itself other (Give details below e.g. orthostatic, rubble infili, semi coursed) Details / notes; Style Stones Top Stones Stone Type No. of through-bands per metre round M Laminar (laminar, hard, smooth) 0 V2 continuous irregular Horizontal Angled uphill 1 3 granity (round, hard, smooth) almost square Vertical Angled downhill Coverband Laminar Angled other / combination limestone (laminar/round, lumpy, hard/soft) stones dressed thoroughly cive details heles/ Horizontal Boulders Detail V coursed Vertical sandstone Dressed random Angled (fine compressed grains) Square Semi circular other (give details below) Other (give details below) Triangle other (give details below Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole etc. water at wall junction steps to top (give details below) Horse Slab rabbit at gate/stile step/squeeze Person Not stone with stoup wood over wall Inscription without stoup (give details below) wood over stone stile APA A other (give details below) Features Details / notes: Additonal notes / sketch section S. farman Fried wall within area 42. proderately meanered. C Photographs CS Film No: BW Digital VIII No. Doc 277a v.1.00 If found please return to: Northern Archaeological Associates Ltd, Marwood House, Hamire Enturprise Park, BARNARD CASTLE, Co Durham DL12 68N © NAA 2011



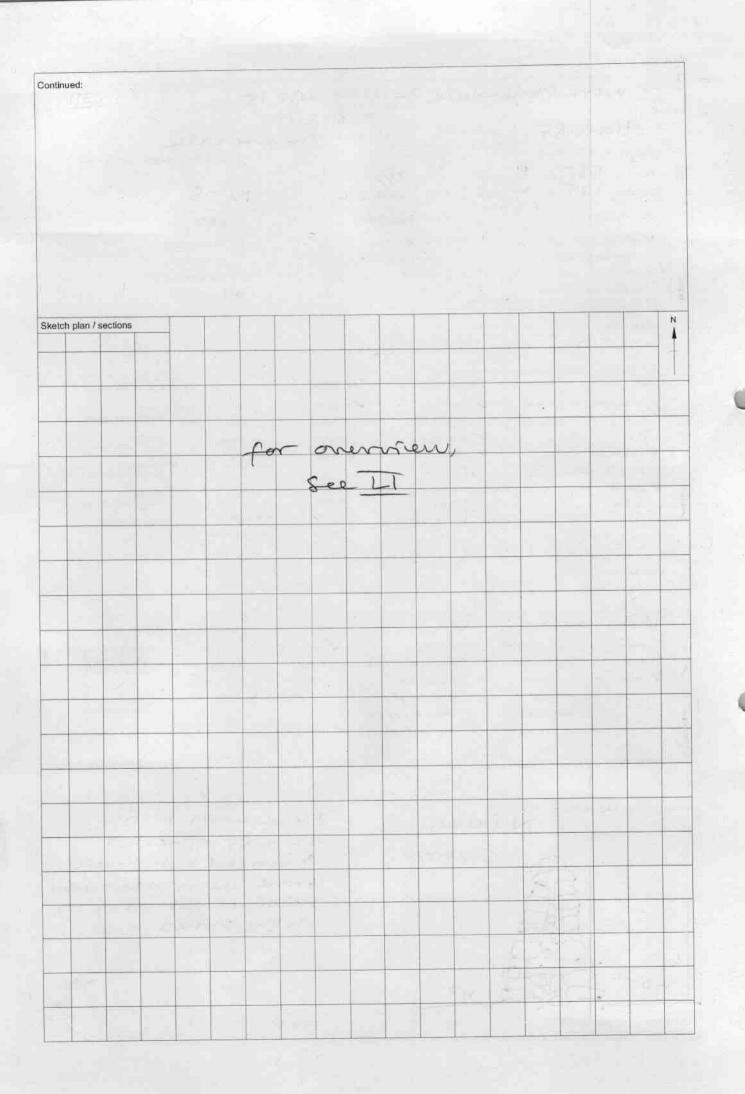
NAA 32a

Carl Street	00	sit stones	erall PL	SITE CODE: WST	215	WALL SECTION NO.
.oca	ation:	at 42, 85		Date: 31/7/15	-	
_	Atre	a 42,85	>	Surveyed by:	nese Fa	110
Size	High Side:	1.5m on ESE side) 1.55 on E				ation of wall (eg. NNE - SSW)
Style	vertical sta	rive double ab give details below) r details below e.g. orthostatic, semi coursed)	Stone face with wall with hedg by itself	above	🗌 by ea	arth bank arth bank to ditch
Detail	0 0 1 0 Coverband	-bands per metre 2 Continuous 3 ssed thoroughly	Stones round irregular almost square Laminar Verical Angled other (give details be	Top Stones	Angled uphill Angled downhill other / combination (pive details below) Semi circular other (give details below	Stone Type Slatey (laminar, hard, smooth) granity (round, hard, smooth) limestone (laminar/round, lumpy, hard/so sandstone (fine compressed grains) other (give details below)
	Details / notes:			Mortar		
Cause of Scientificate Reservoires (associated as a service as a	Details / notes: Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Stuceze Steps to top Step/squeeze Wood over wal Wood over stor Other (give detail	Gate Farm vet Horse Person I ne stile	Slat	Niche, bee-bole etc.
	Smoots Sheep Steep rabbit	within wall length at wall junction at gate/stile with stoup without stoup	squeeze steps to top step/squeeze wood over wal wood over stor	Gate Farm ver Horse Person I ne stile Is below)	nicle Arch	Niche, bee-bole etc. (give details below) stone

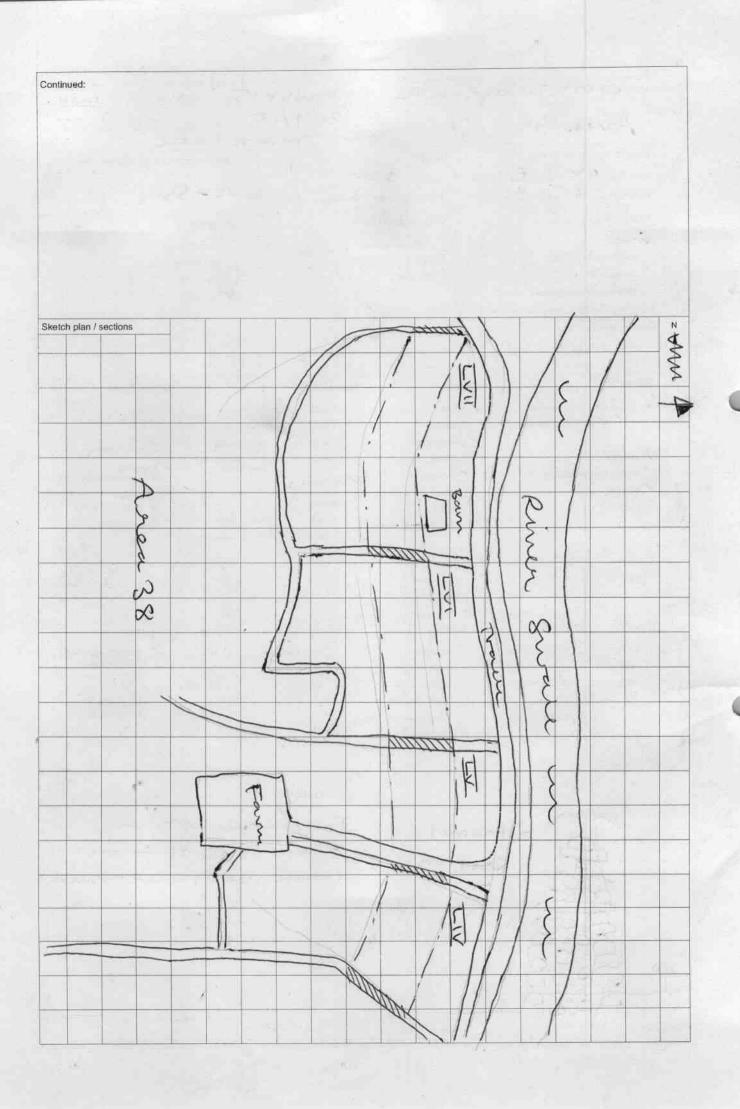


NAA 32a

Loc	ation:			SITE CODE: W		The section No. LUI
	Ane	ent stones	1		15	
	10.00 10 101			Surveyed by: T	reverse Fa	lle
Size	High Side;)	1.5m on ESE side) 1,25 on E	Carrier Contraction Contraction		Orienta	tion of wall (eg. NNE - SSW)
Style	other (Give	we double ab give details below) datails below e.g. orthostatic, semi coursed)	Stone faced with wall abc with hedge a by itself	ve		th bank th bank o ditch
-	Style		Stones	Top Stones		Stone Type
Detail	0 0 1 0 Coverband	-bands per metre 2 continuous 3 ssed thoroughly	round rregular almost square Laminar Horizontal Vertical Angled	Laminar Horizontal Vertical Angled Boulders	Angled uphill Angled downhill Angled downhill other / combination (give details below)	statey (laminar, hard, smooth) granity (round, hard, smooth) Immestone (laminar/round, lumpy, hard/sof sandstone (fine compressed grains)
(www.iocidate.com/www.	Details / notes: Smoots sheep water Yrabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Contractions of the second sec		Slab	Other Other Niche, bee-bole etc. (give details below) one Inscription (give details below)
(International Statement Records and the second statement of well)	Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile Squeeze Steps to top Step/squeeze Wood over wall	Gate	other (give secals below) Bridge vehicle Arch Slab	Other Niche, bee-bole etc. (give details below) one Inscription
	Smoots sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over wall wood over stone s	Triangle Triangle Mortar Gate Farm Horse Persor tille kow) For	Dither (give secals below) Bridge vehicle Arch Slab Not st Not st end woul end woul end woul	Other Niche, bee-bole etc. (give details below) one Inscription (give details below) I wrthink Nixed K nertwal Nixed Norman



SITE	E NAME: W	all sterre	solall PL	SITE CODE: W	2015	WALL SECTION NO. LIV
.004	ation:	ert store ea 38			115	
	Au	iea 58		The state of the second st	enere F	a 11.
	Height (eg	. 1.5m on ESE side)	Width			ntation of wall (eg. NNE - SSW)
Size	High Side: .	1,4 on E		65	Oner	ICAUCITION WAIL (eg. NNE - 55W)
		1.2 on W			NNE.	- SSW
	Construct	ion				
	double		Stone faced		Situa	tion
		ove double	with wall at		🗌 on	earth bank
	Vertical s		with hedge	above		earth bank
Style	test a constant of	(give details below)	U by itself		⊡ nex V by i	kt to ditch
<i>n</i>	i other (Gi	e details below e.g. orthostatic,			L <u>₩</u> by i	nser
4	rubble infill Details / note:	, semi coursed) S:				
2			1			
	1					
	Style		Stones	Top Stones		Stone Type
	No. of throug	h-bands per metre	round	🗌 Laminar		slatey
	0		irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
		3	almost square	Vertical	Angled downhill	granity (round, hard, smooth)
	Coverban		Laminar	Angled	(give details below)	n Vimestone
	Coursed	essed thoroughly	Vertical	Boulders		(laminar/round, lumpy, hard/so
20 I I I	Coursed		vertical			sandstone
3	random		Analet	Dressed		(Tine compressed grains)
5	random		Angled	Square	Semi circular	(fine compressed grains)
	🗌 random		Angled Other (give details below	Square	Semi circular	other (give details below)
5	random			v) Square	and a state of the second seco	other (give details below)
5	Details / notes			v) Square Triangle	and a state of the second seco	other (give details below)
1				v) Square Triangle	and a state of the second seco	other (give details below)
3	Details / notes		C other (givê details below	v) Square Triangle Mortar	Other (give details being	other (give details below)
	Details / notes	Wall Head	C other (givé details below	v) Square Triangle Mortar Gate	other (give details being other for the details being othe	pe Other
	Details / notes Smoots sheep	Wall Head	Stile	v) Square Triangle Mortar Gate Farm ve	other (give details bed Bridg ehicle Arc	je Other ch Other
	Details / notes Smoots Smoots water	Wall Head within wall length at wall junction	Stile	v) Square Gate Friangle Gate Farm ve Horse	other (give details bed Bridg ehicle Arc	pe Other Ch Niche, bee-bole etc. ab
	Details / notes Smoots sheep	Wall Head within wall length at wall junction at gate/stile	Stile	v) Square Triangle Mortar Gate Farm ve	other (give details bed Bridg ehicle Arc	pe Other ch Niche, bee-bole etc. (give details below) t stone
	Details / notes Smoots Smoots water	Wall Head within wall length at wall junction	Stile	v) Square Square Triangle Mortar Gate Farm vi Horse Person -	other (give details bed Bridg ehicle Arc	pe Other Ch Niche, bee-bole etc. (give details below)
	Details / notes Smoots Smoots water	Wall Head within wall length at wall junction at gate/stile with stoup	Stile	v) Square Square Triangle Mortar Gate Farm vi Horse Person stille	other (give details bed Bridg ehicle Arc	pe Other pe Other ch Niche, bee-bole etc. (give details below) t stone Inscription
	Details / notes Smoots Smoots water	Wall Head within wall length at wall junction at gate/stile with stoup	Stile squeeze steps to top step/squeeze wood over wall wood over stone	v) Square Square Triangle Mortar Gate Farm vi Horse Person stille	other (give details bed Bridg ehicle Arc	pe Other pe Other ch Niche, bee-bole etc. (give details below) t stone Inscription
	Details / notes Smoots Smoots water	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wall wood over stone	v) Square Square Triangle Mortar Gate Farm vi Horse Person stille	other (give details bed Bridg ehicle Arc	pe Other pe Other ch Niche, bee-bole etc. (give details below) t stone Inscription
	Details / notes Smoots Sheep vater rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wall wood over stone	v) Square Square Triangle Mortar Gate Farm vi Horse Person stille	other (give details bed Bridg ehicle Arc	pe Other pe Other ch Niche, bee-bole etc. (give details below) t stone Inscription
	Details / notes Smoots Sheep vater rabbit	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wall wood over stone	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	e Other (give details below) pe Other ch Niche, bee-bole etc. (give details below) at stone Inscription (give details below)
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Stile squeeze steps to top step/squeeze wood over wall wood over stone	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
dito	Details / notes Smoots Smoots Sheep vater rabbit Details / notes: nal notes / skete	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
dito	Details / notes Smoots Smoots sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	other (give details below) pe Other ch Niche, bee-bole etc. ab Inscription it stone Inscription
dito	Details / notes Smoots Smoots Sheep vater rabbit Details / notes: nal notes / skete	Wall Head within wall length at wall junction at gate/stile with stoup with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
otiti	Details / notes Smoots Smoots Sheep vater rabbit Details / notes: nal notes / skete	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Cother (givé details below	v) Square Triangle Mortar Gate Farm va Horse Person stille below)	other (give details bed Bridg ehicle Arc Siz No	pe Other pe Other ch Niche, bee-bole etc. (give details below) it stone I Inscription



NA						Field Wall Recording Sh
SIT		ent stones rea 38	relate PL	SITE CODE: WSP	15 W	LL SECTION NO.
Loca	ation:			Date: 30/7/15		
H	A.	rea 38		Surveyed by: The	nese Fa	the.
Size	High Side:	1.5m on ESE side) 1.45 on E		0,95 pnes: 0,5		n of wall (eg. NNE - SSW)
	105	28				-
Style	vertical si	ove double lab (give details below) e details below e.g. orthostatic, semi coursed)	Stone fact	above	Situation on earth by earth next to di Y by itself	bank
	Style	1	Stones	Top Stones		Stone Type
		h-bands per metre	round	Laminar		(laminar, hard, smooth)
	Coverban	3	irregular	Vertical Angled	Angled ophill Angled downhill other / combination give details below)	granity (round, hard, smooth)
Detail	Coursed	coood morodymy	Vertical	Boulders		(laminar/round, lumpy, hard/so
ă	🗌 random		Angled	Dressed		(fine compressed grains)
			other (give details be	(wole	femil circular (frer (give details below)	other (give details below)
	Details / notes	: Wall Head		ekow) Triangle o	(her (give details below)	
		1. 1. 1.	C other (give details be	How) Triangle o Mortar Gate	ther (give details below) Bridge	Other
(Januar)	Smoots	Wall Head	Stile	ekow) Triangle o	ther (give details below) Bridge	Other
(Dece	Smoots	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile	How) Triangle o Mortar Gate Farm vehicle Horse Person ne stille	ther (give details below) Bridge Data Arch	Other
	Smoots Sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze wood over wa wood over sto	Il me stile Ils below)	Bridge Arch Slab Not ston	Other Other Niche, bee-bole etc. (give details below) e Inscription (give details below)
FEEDLUFES (when reconsing lengths of well)	Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stips to top Step/squeeze wood over wa other (give deta	Il me stile Ils below)	Bridge Arch Slab Not ston	Other Other Niche, bee-bole etc. (give details below) e Inscription
Features (when recording lengths of well)	Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stips to top Step/squeeze wood over wa other (give deta	Il me stile Ils below)	Bridge Arch Slab Not ston	Other

			-	-	-		-	-			-			-	
Continued:					-										12
Sketch plan / section	IS												1.5		N
					_										
												-			
													2		
												1			
		-											25		
	T	For	on	re	w	ios			127						
	1					.~~	Ξ,								
		For	e	T	IV							des.			
											-				
					_					-	1		1		-
	-		5						10 11	-	*				
														i-ci	
			-		-										
		a -										11-2	11		
													11.		
		_													
		14.1				1.1	v					- 1			
	1		1												
														1- S	
									1		-2^{n}				-
			-												
		1.0					1		iki bur		64				
		3													
	-	-			-					44) 			1		
											1				
				1						-	-	1			
					_										
			- 1			1.1					1		Ã.		
											9		1		
								_		25.	-			1	100

AA					Field Wall Recording She
ITE	tion: Area 38	esdall PL	SITE CODE: WSP	15 W.	ALL SECTION NO.
oca	ation:		Date: 30/7/15		
_	Anea so		Surveyed by: Then		de
ň	Height (eg. 1.5m on ESE side)	Width			on of wall (eg. NNE - SSW)
Size	High Side: 1145 on E		65	N-	9
	Low side: 1145 on W	side below top stor	es: 0,3	10	2
	Construction	Stone face	bank	Situation	
	double	with wall a	bove	🗌 on earth	bank
	single above double	🔲 with hedge	above	by earth	
Siyle	vertical slab	by itself		next to d	litch
No	retaining (give details below)			by itself	
	Other (Give details below e.g. orthostati rubble infill, semi coursed) Details / notes:	5,			
	Details / Indes.				
1	Style	Stones	Top Stones		Stone Type
	No. of through-bands per metre	round	🗌 Laminar		slatey
	0 2 continuous	Irregular	Horizontal .	Angled uphill	(laminar, hard, smooth)
	Coverband	M almost square		Angled downhill	(round, hard, smooth)
1	stones dressed thoroughly	Laminar Horizontal	(other / combination (give cetails below)	Mimestone
Thursday.	Coursed	Vertical	Boulders		(laminar/round, lumpy, hard/soft
	random	Angled	Dressed		(fine compressed grains)
•					
		other (give details below	N)	Semi circular	Other (give details below)
1		C other (give details below	v)	Semi circular other (give details below)	cther (give details below)
		in other (give details below	v) <u> </u>		other (give details below)
	Details / notes:	other (give details below	v) Triangle c		other (give details below)
1			v) Triangle c		other (give details below)
	Details / notes: Smoots Wall Head	other (give details below Stile	v) Triangle c		other (give details below) Other
	Smoots Wall Head	Stile	x) Triangle c	other (give details below) Bridge	Other
	Smoots Wall Head Smoots Wall Head sheep within wall length water at wall junction	Stile	(x) Triangle c I Triangle c Mortar Gate Farm vehicle Horse	other (give details below) Bridge	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile	Stile Squeeze Steps to top Step/squeeze	x) Triangle c Mortar Gate Farm vehicle	other (give details below) Bridge e Arch	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	Stile Squeeze Steps to top Step/squeeze Steps vood over wall	Mortar Mortar Gate Farm vehicle Horse Person	e Arch	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile	Stile Squeeze Steps to top Step/squeeze Wood over wall Wood over stone	x) Triangle c Mortar Gate Farm vehicle Horse Person e stille	e Arch	Other Other Niche, bee-bole etc. (give details below) ne Inscription
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	Stile Squeeze Steps to top Step/squeeze Steps vood over wall	x) Triangle c Mortar Gate Farm vehicle Horse Person e stille	e Arch	Other Other Niche, bee-bole etc. (give details below) ne Inscription
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	Stile Squeeze Steps to top Step/squeeze Wood over wall Wood over stone	x) Triangle c Mortar Gate Farm vehicle Horse Person e stille	e Arch	Other Other Niche, bee-bole etc. (give details below) ne Inscription
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup	Stile Squeeze Steps to top Step/squeeze Wood over wall Wood over stone	x) Triangle c Mortar Gate Farm vehicle Horse Person e stille	e Arch	Other Other Niche, bee-bole etc. (give details below) ne Inscription
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze Wood over wall Wood over stone	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other Other Niche, bee-bole etc. (give details below) ne Inscription
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with out stoup Details / notes: with section	Stile Squeeze Steps to top Step/squeeze wood over wall wood over stone other (give details	A Cate Gate Gate Farm vehicle Horse Person stile below)	Bridge e Arch Slab Not stor	Other



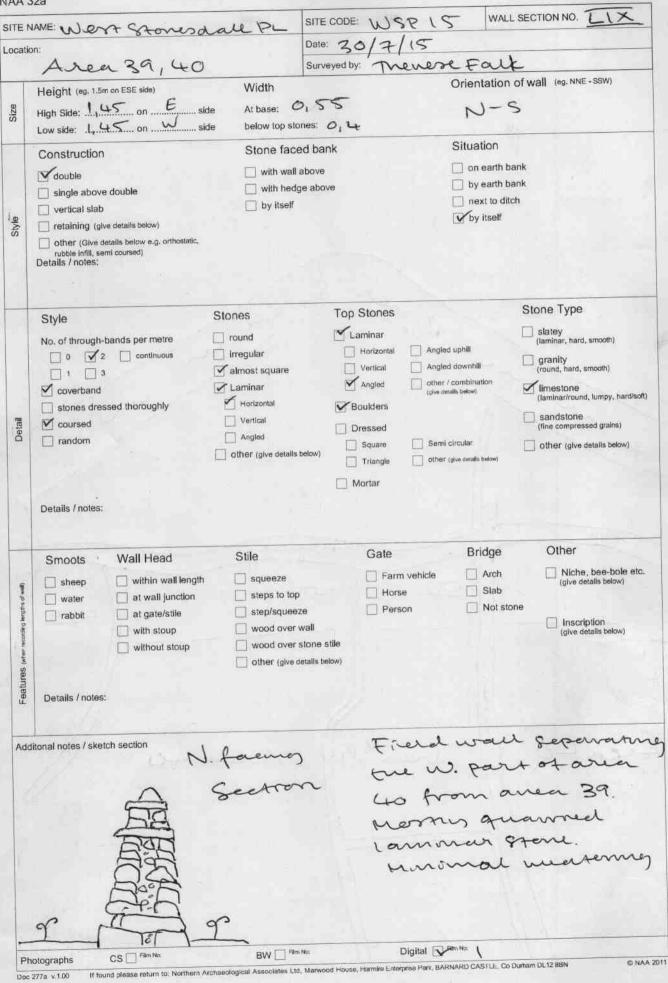
NAA 32a Field Wall Recording Sheet SITE CODE: WSP15 SITE NAME: Weest stonesdale PL WALL SECTION NO. T III Date: 30/7/15 Location: Anea 38,40 Surveyed by: Thenerse Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) E At base: 455 Size High Side: 1,75 on side NI-S below top stones: 0,35 Construction Stone faced bank Situation V double with wall above on earth bank single above double by earth bank with hedge above Vertical slab by itself next to ditch Style retaining (give details below) by itself other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Style Stones **Top Stones** Stone Type laminar, hard, smooth) No. of through-bands per metre round Laminar Angled uphill 0 2 continuous 🗌 irregular Horizontal granity (round, hard, smooth) 1 3 almost square Vertical Angled downhill coverband other / combination Laminar Angled Mimestone Horizontal stones dressed thoroughly (laminar/round, lumpy, hard/soft) Boulders Detail V coursed Vertical sandstone Dressed (fine compressed grains) random Angled Semi circular Square Other (give details below) other (give details below) Triangle Other (give details below) Mortar Details / notes: Smoots Wall Head Stile Gate Bridge Other sheep within wall length squeeze Farm vehicle Arch Niche, bee-bole etc. (give details below) at wall junction Horse Slab water steps to top Person rabbit at gate/stile step/squeeze Not stone with stoup wood over wall Inscription (give details below) wood over stone stile without stoup Other (give details below) Features Details / notes: Fired wall separating Additonal notes / sketch section N. faring Section aneas 38 k 40. Recently quarried Lomentone, no reamering V CS Film No. BW 🔲 Film No: Digital Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N © NAA 2011 Doc 277a v.1.00

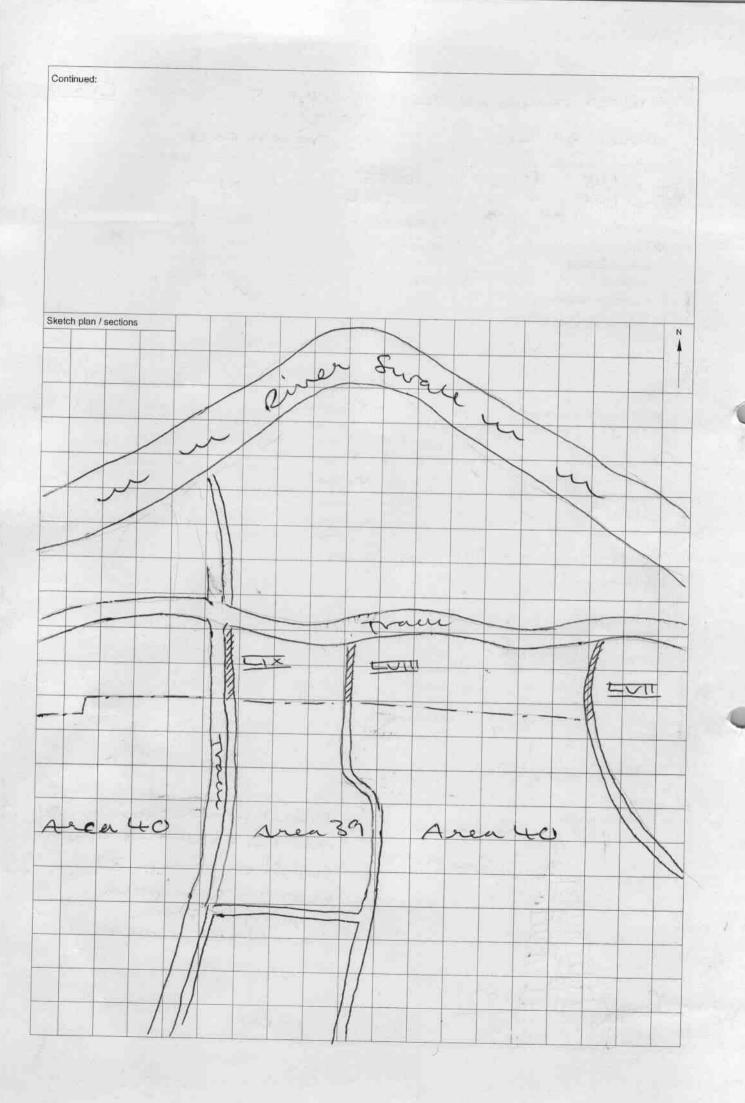
COIL	nued:																	
										3								
Sketc	h plan /	section	s				_		-			_						N
																		- ¥
		Ì			1.1													
										F.								
		-		-										-		- 341		
_	_	14C		_									1.					
11		6			131								È				1.	
												1					-	
-																-	-	
													1					
		1														-		
		-														-	-	
_				1.1														
		2																
							2											
-						-												
_													7.1					
		L.,-	-								_							
			12.1				1								15			
															1			
																3		
								-								3		
														-			2	
									100									

NAA 32a Field Wall Recording Sheet SITE NAME: West Stonesdale PL SITE CODE: WSP 15 WALL SECTION NO. LUTT Date: 30/7/15 Location: Anea 39,40 Surveyed by: Thenese Falle Height (eg. 1.5m on ESE side) Width Orientation of wall (eg. NNE - SSW) Size High Side: 1,45 on 6 side At base: 0,75 NI-S Low side: 1, 45 on W side below top stones: 0, 4 Construction Stone faced bank Situation double with wall above on earth bank by earth bank single above double with hedge above vertical slab next to ditch by itself Style by itself retaining (give details below) Other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: Style Stones Top Stones Stone Type (laminar, hard, smooth) No. of through-bands per metre round 🗌 Laminar Angled uphill 0 2 continuous irregular Horizontal granity (round, hard, smooth) 1 3 Malmost square Vertical Angled downhill coverband other / combination Laminar Angled Vimestone cive details below! stones dressed thoroughly Horizontal minar/round, lumpy, hard/soft) Boulders Detail Vertical V coursed sandstone V Dressed (fine compressed grains) random Angled Square Semi circular Other (give details below) other (give details below) Triangle ather (give details below) Mortar Details / notes: Wall Head Stile Gate Bridge Other Smoots Niche, bee-bole etc. (give details below) Arch Farm vehicle within wall length squeeze sheep water at wall junction steps to top Horse Slab at gate/stile step/squeeze Person Not stone rabbit [] Inscription (give details below) with stoup wood over wall without stoup wood over stone stile other (give details below) Features Details / notes: Field wall separating the E part of area 40 Additonal notes / sketch section N-farmer Section from area 39. Morring guarmed Lammar stone. Some measuring. 00 Digital Plim No.) CS Film No: BW BW Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmire Enterprise Park, BARNARD CASTLE, Co Durham DL12 8BN © NAA 2011 Doc 277a y 1.00

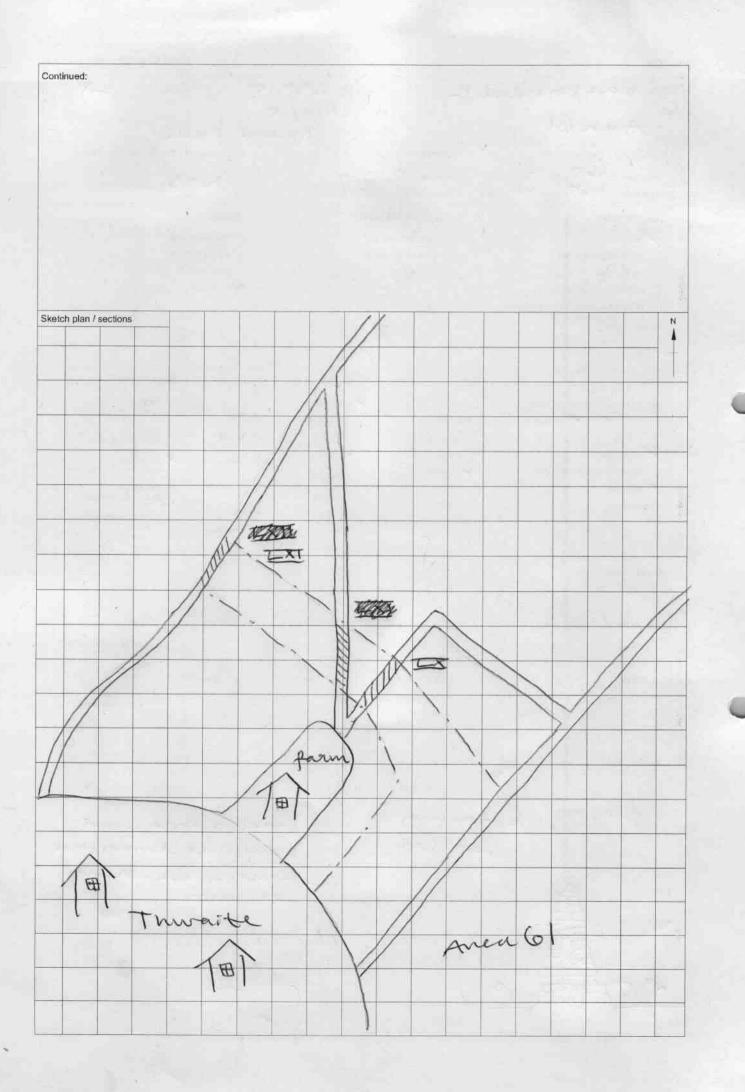
Conti	inued:									1								
													. 14					
										14								
										-								
etc	h plan /	section	IS	_		1-					T	-				1		N
											-	-	-		-	-		-4
		-	-															
						For	- 0	ne	vv	ier	J.			1				1.5.
				1										-				-
								8	ee	L	IX						- 6g	
_																		
								1		12								
											-							
1											-					-		-
-				1						-	-				100			
1																		61
		2	-						Ľ.									
		-																-
-																		
+							- 2		1.7	-						64	-	
	-									i								
	2.1				-	- 1.				17-								
	-			13			7.0				- 7				4			
1	-					e						100-DA						
+				a.,				Ê						1				
_															20			
														2				
													n	-				
+			-									-			299			

NAA 32a





ITE	NAME	A 60 1	DI DI	SITE CODE: WSP	Val	L SECTION NO.
		t Stonesda	U PL		13	
ocat	Ane	a 61		Date: 23/9/1		
-			VA/Lateta	Surveyed by: The	vese Fall	of wall (eg. NNE - SSW)
Size		5 on E s		0,65m	N-	
	Constructio	n	Stone fac	ed bank	Situation	
Style		b jive details below) details below e.g. orthostatic,	 with wall with hed by itself 	above ge above	☐ on earth t ☐ by earth t ☐ next to dii ✔ by itself	bank
				T. 01		Change Trans
	Style		Stones	Top Stones		Stone Type
		-bands per metre	round	Laminar		(laminar, hard, smooth)
		2 Y continuous	irregular	Horizontal	Angled uphill	granity
	coverband	3	Malmost square	Angled	other (combination	(round, hard, smooth)
		ssed thoroughly	Horizontal		(give details teltae)	(laminar/round, lumpy, hard/soft)
Detail	coursed	ased morouginy	Ventical	Boulders		sandstone
)et	random		Angled	Dressed		(fine compressed grains)
۲						
	Datalla (astro		Other (give details if other)	below) Square Squa	Semi circular	Ciher (give details below)
	Details / notes:	Well-Hood	1	below) Triangle Mortar	Other (give decails below)	
	Details / notes: Smoots	Wall Head	Stile	below) _ Triangle) other (give decails below) Bridge	Other
	Smoots	uithin wall length	Stile	below) Triangle Mortar Gate Farm veh	Other (give decails below) Bridge Nicle	
	Smoots	within wall length	Stile	below)Triangle Mortar Gate Farm veh Horse	other (give decails below) Bridge iicle Arch	Other
	Smoots	 within wall length at wall junction at gate/stile 	Stile	e Person	Other (give decails below) Bridge Nicle	Other
	Smoots	within wall length	Stile	below) Triangle Mortar Mortar Farm veh Horse e Person rall tone stile	other (give decails below) Bridge iicle Arch	Other
Features (when recording lengths of well)	Smoots	 within wall length at wall junction at gate/stile with stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	below) Triangle Mortar Mortar Farm veh Horse e Person rall tone stile	other (give decails below) Bridge iicle Arch	Other Other Niche, bee-bole etc. (give details below) ne Inscription
Features (when reporting lengths of web)	Smoots Sheep water rabbit	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Steps to top Step/squeeze wood over w other (give de	below) Triangle Mortar Mortar Farm veh Horse Horse Person rall tone stille stalls below)	Cther (give decails below) Bridge Nicle Arch Slab Not stor	Other Other Niche, bee-bole etc. (give details below)
Features (when reporting lengths of web)	Smoots Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Steps to top Step/squeeze wood over w other (give de	below) Triangle Mortar Mortar Farm veh Horse Horse Person rall tone stille stalls below)	Cther (give decails below) Bridge Nicle Arch Slab Not stor	Other Other Niche, bee-bole etc. (give details below)
Features (when reporting lengths of web)	Smoots Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Squeeze Steps to top Step/squeeze Wood over w Wood over s	below) Triangle Mortar Mortar Farm veh Horse Horse Person rall tone stille stalls below)	Cther (give decails below) Bridge Nicle Arch Slab Not stor	Other Other Niche, bee-bole etc. (give details below)
Features (when reporting lengths of web)	Smoots Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Steps to top Step/squeeze wood over w other (give de	below) Triangle Mortar Mortar Farm veh Horse Horse Person rall tone stille stalls below)	Cther (give decails below) Bridge Nicle Arch Slab Not stor	Other Other Niche, bee-bole etc. (give details below)
Features (when reporting lengths of web)	Smoots Smoots sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup	Stile Steps to top Step/squeeze wood over w other (give de	below) Triangle Mortar Mortar Farm veh Horse Horse Person rall tone stille trails below)	Cther (give decails below) Bridge Nicle Arch Slab Not stor	Other Niche, bee-bole etc. (give details below) ne Inscription (give details below) function (give details below) function (give details below)
Features (when reporting lengths of web)	Smoots Smoots sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Steps to top Step/squeeze wood over w other (give de	below) Triangle Mortar Farm veh Horse Horse Person rall tone stille tails below)	other (give decails below) Bridge icle Arch Slab Not stor Not stor	Other Niche, bee-bole etc. (give details below) ne Inscription (give details below) function (give details below) function (give details below)

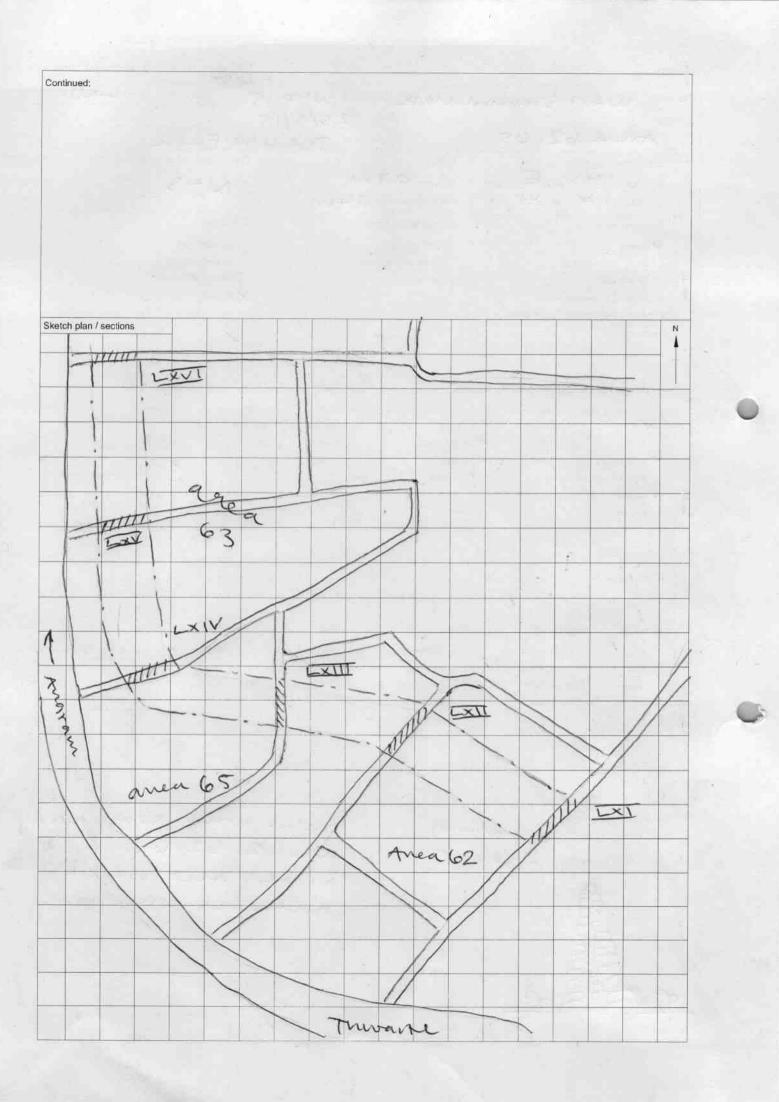


NAA 32a

SITE	NAME: Whart 870	nesda	le pr	SITE CODE: WSP	15 m	L SECTION NO.
Locati	on:			Date: 23/9/10	5	
	Anea 61			Surveyed by mene	re Eall	L
Size	Height (eg. 1.5m on ESE side High Side: 1.445 on Low side: 1.445 on	E. side		0,9m ones: 0,5m	Orientation	of wall (eg. NNE - SSW)
-	Construction		Stone fac	ed bank	Situation	
Style	double single above double vertical slab retaining (give details below other (Give details below e rubble infili, semi coursed) Details / notes:		<pre>with wall with hed by itself</pre>	above ge above	 ☐ on earth b ☐ by earth b ☐ next to ditu ☑ hy itself 	ank
	Style	5	Stones	Top Stones		Stone Type
Detail	No. of through-bands per n	nuous [[[round irregular almost square Laminar Y Horizontal Vertical Angled other (give details)	Vertical / Angled 6 Boulders Dressed Square 5	Angled uphill Angled downhill other / combination give details below) Semi circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) Timestone (laminar/round, lumpy, hard/soft) sandstone (fine compressed grains) other (give details below)
ding lungers of well)	water at wa	ead I wall length Il junction re/stille	Stile Stile Stile Steps to top Step/squeeze	Gale Farm vehicl Horse Be Person	Bridge e Arch Slab Not stor	Other
Features (when recarding limptime of well)	Smoots Wall He sheep within water at wa rabbit at gat with s	ead I wall length Il junction re/stille	Stile	Mortar Gate Farm vehicl Horse ve Person vall stone stile	Bridge e Arch Slab	Niche, bee-bole etc. (give details below)
Features (when recording lengths of	Smoots Wall He sheep within water at wa rabbit at gat with s without Details / notes:	ead wall length Il junction te/stile stoup	Stile Stile Stips to top Step/squeeze wood over v wood over s	Mortar Gate Farm vehicl Horse Person wall stone stile etails below)	Bridge e Arch Slab Not stor	Niche, bee-bole etc. (give details below) Ne Inscription (give details below)
Features (when recording lengths of	Smoots Wall He sheep within water at wa rabbit at gat with s without Details / notes:	ead wall length Il junction te/stile atoup ut stoup	Stile Stile Stile Steps to top Step/squeez wood over s other (give de	Mortar Gate Farm vehicl Horse Person wall stone stile etails below)	Bridge e Arch Slab Not stor	Niche, bee-bole etc. (give details below) Ne Inscription (give details below)
Features (when recording lengths of	Smoots Wall He sheep within water at wa rabbit at gat with s without Details / notes:	ead wall length Il junction te/stile stoup	Stile Stile Stile Steps to top Step/squeez wood over s other (give de	Mortar Gate Farm vehicl Horse Person wall stone stile etails below)	Bridge e Arch Slab Not stor	Niche, bee-bole etc. (give details below)

Cor	ntinued:																	
	'01																	
<u></u>		/ section	_	-	1	_			1.1									
skei	ch pian	/ section	s	-				2			1.00			i	1		-	N
												-						14
1		-									-							
								-			~							
																16		
											-						5	
	-				1	1	ł		1.						1.00			
	-				E											-		-
_						-												1
													Parents					
						-	-	-										
			-			- 11		ľ										
	1.1																	
			10															
_						. 41.												
															46 1			
									25-1			(-			
		1																1
				-		5. s			0		-		_		n -		-	
-		1	-						8	e		X						
-	-	1			1.50						_							
			Î	10.00														
								() 							5			
_				1			- 14											1
			1 N															
																Ċ.		
										_								
																1967		
													1	ha				7
					- 11													

TE	NAME: ANIN	man	a d a low	SITE CODE: VSC	SPIC	- WALL	SECTION NO. LX11
ocat		ent stone	soundpl	1	9/15		
Judi		62,65				se Fa	114
	Height (eg. 1.5		Width				of wall (eg. NNE - SSW)
Size	High Side: 1	4 on E si	de At base: C	nes: 0,4m		N-	
-1	Construction	1	Stone face	ed bank	3	Situation	
Style	double single abov vertical slab retaining (gi	e double ve details below) tetails below e.g. orthostatic.	 with wall a with hedg by itself 			 on earth ba by earth ba next to ditc 	ink
_	01.1		Clones	Ton Stones	_		Stone Type
	Style		Stones	Top Stones			
	No. of through	bands per metre	irregular	Laminar	Angled a	uphilli	(laminar, hard, smooth)
			almost square	Vertical	Angled o	A	granity (round, hard, smooth)
	Coverband		Laminar	Angled		ombination	M limestone
		ssed thoroughly	Horizontal	Boulders	(give detail	IS-DEROW)	(laminar/round, lumpy, hard/soft
tail	Coursed		Vertical	Dressed			(fine compressed grains)
φ			CHARLES STOCKED	Diesseu			(into compressed grana)
ă	random		Angled	Square	Semi cir	rcular	Other (also datella halass)
Detail	Details / notes:		Angled Angled other (give details be	elow) 🗌 Square D Triangle	hand to see an order of	rcular ve setalis bekw)	C other (give details below)
		Wall Head within wall length at wall junction at gate/stile with stoup without stoup		elow) Triangle Mortar Gate Farm Hors Pers all one stile	n vehicle		Other
Features (when reporting tengins of well)	Details / notes: Smoots sheep water	 within wall length at wall junction at gate/stile with stoup 	Stile Stile Steps to top Step/squeeze wood over wa	elow) Triangle Mortar Gate Farm Hors Pers all one stile	n vehicle	Bridge	Other Other Niche, bee-bole etc. (give details below) e Inscription
Features (when reporting lengths of well)	Details / notes: Smoots sheep water rabbit	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details be Stile squeeze steps to top step/squeeze wood over we wood over ste other (give details)	elow) Triangle Mortar Gate Farm Hors Pers all one stile alls below)	n vehicle	Bridge	Other
Features (when reporting lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details be Stile squeeze steps to top step/squeeze wood over we wood over ste other (give details)	elow) Triangle Mortar Gate Farm Hors e Pers all one stille alls below)	n vehicle	Bridge Arch Slab Not stone	Other
Features (when reporting lengths of weld)	Details / notes: Smoots Sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup without stoup	Stile Stile Steps to top Step/squeeze wood over wa	elow) Triangle Mortar Gate Farm Hors e Pers all one stille alls below)	n vehicle	Bridge Arch Slab Not stone	Other
FeatUres (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details be Stile squeeze steps to top step/squeeze wood over we wood over ste other (give details)	elow) Triangle Mortar Gate Farm Hors e Pers all one stille alls below)	n vehicle	Bridge Arch Slab Not stone	Other
Features (when reporting lengths of weld)	Details / notes: Smoots Sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details be Stile squeeze steps to top step/squeeze wood over we wood over ste other (give details)	elow) Triangle Mortar Gate Farm Hors e Pers all one stille alls below)	n vehicle	Bridge Arch Slab Not stone	Other
Features (when reporting lengths of weld)	Details / notes: Smoots Sheep water rabbit Details / notes:	within wall length at wall junction at gate/stile with stoup without stoup without stoup	other (give details be Stile squeeze steps to top step/squeeze wood over we wood over ste other (give details)	elow) Triangle Mortar Gate Farm Hors all one stile alls below) for a More stile alls below)	n vehicle	Bridge Arch Slab Not stone	Other



ITE	NAME: wer	+ stonesda	LE PL	SITE CODE: WSP	15 1	ALL SECTION NO.
ocat	ion:			Date: 23/9/1	5	
	Ane	n 65		Surveyed by: The		m
Size		m on ESE side) 1 on E s 85 on W s	Width ide At base: O,	5m es: 0,35m	Orientati	on of wall (eg. NNE - SSW)
Style		e double ve details below) etails below e.g. orthostatic,	Stone faced with wall all with hedge by itself	bove	Situation on eart by eart next to V by itsel	h bank n bank ditch
Detail	0 2 1 3 Coverband		Stones round round rregular almost square Laminar Vertical Angled	Top Stones	Angled uphili Angled downhili other / combination (give details below)	Stone Type Slatey (laminar, hard, smooth) granity (round, hard, smooth) 'filmestone (laminar/round, lumpy, hard/soft sandstone (fine compressed grains) other (give details below)
	Details / notes:		Other (give details being other (give details being other)	Triangle [other (give datails below)	
Features (when woording lengths of well)	Details / notes: Smoots sheep water nabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Steps to top Step/squeeze Wood over wal Wood over wal Other (give detail	Gate Farm ve Horse Person	Bridge	Other Niche, bee-bole etc. (give details below) tone Inscription (give details below)
Features (when woording lengths of wall)	Smoots sheep water rabbit 	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Stile Stile Stips to top Step/squeeze Wood over wal Wood over stor	Triangle Mortar Gate Farm ve Horse Person I ne stile is below)	shicle Arch	Niche, bee-bole etc. (give details below) tone Inscription
Features (when weating through a fund)	Smoots Sheep water rabbit Details / notes: tonal notes / sketc	 within wall length at wall junction at gate/stile with stoup with stoup without stoup 	Stile squeeze steps to top step/squeeze wood over wal wood over stor other (give detail	Triangle Mortar Gate Farm ve Horse Person I ne stile is below) function	shicle Arch	Niche, bee-bole etc. (give details below) tone Inscription (give details below)

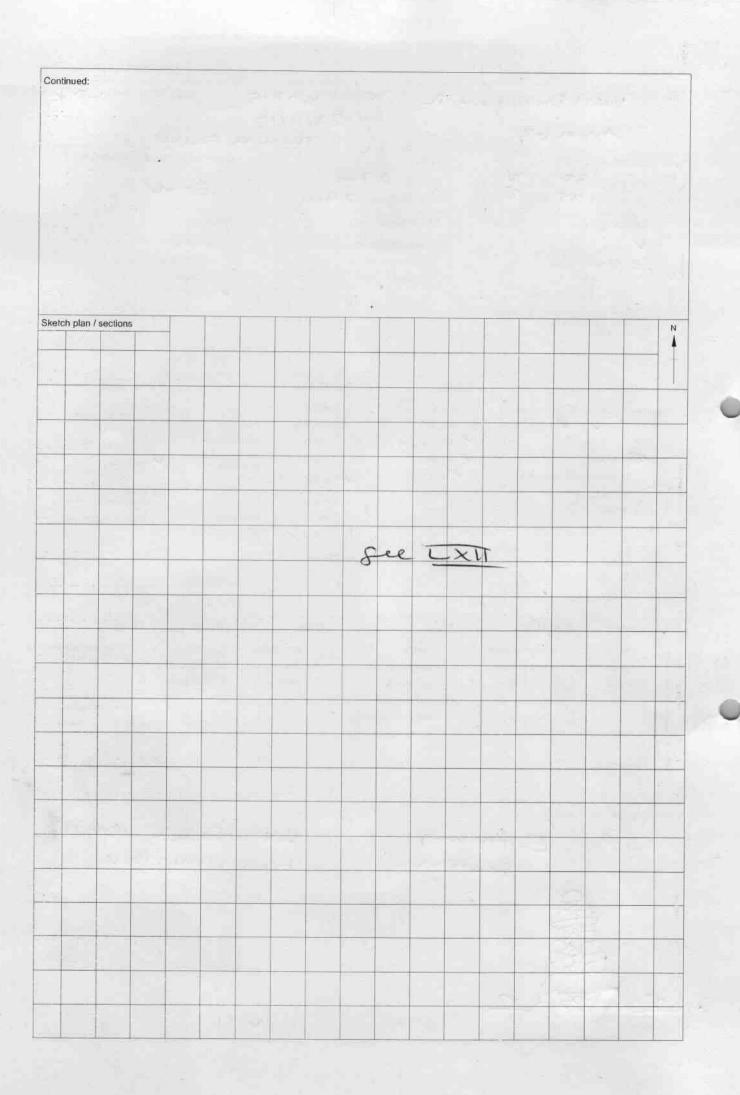
NAA 32a



	32a		SITE CODE:	W	ALL SECTION NO. LX
	NAME went stones	erall PL	Date: 23/9/1	r 15	
Locat	Anen 63,65		20/ 1/1		
Size	Height (eg. 1.5m on ESE side) High Side: 1,25 on S Low side: 1,25 on S).lom	orientation	on of wall (eg. NNE - SSW)
	Construction	Stone face	ed bank	Situation	n bank
Style	 single above double vertical slab retaining (give details below) other (Give details below e.g. orthostatic, rubble infill, semi coursed) Details / notes: 	with hedge by itself	ge above	☐ by earth ☐ next to ☑ by itself	ditch
-	Style	Stones	Top Stones		Stone Type
Detail	No. of through-bands per metre	 round irregular almost square Laminar Horizontal Vertical Angled 	Laminar	Angled uphili Angled downhili other / combination (give details below) Semi circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) Iimestone (laminar/round, lumpy, hard/soft) sandstone (fine compressed grains) other (give details below)
10	Details / notes:	other (give details b	eelow) Triangle [Other (give details below)	
Features (when recording lengths of well)	Details / notes: Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup Details / notes:	Stile Stile Stile Steps to top Step/squeeze wood over w ood over st other (give det	elow) I Triangle I Mortar Mortar Gate Farm ve Horse e Person rall tone stille	Bridge	Other
Features (when recording incurs of well)	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup	Stile Squeeze Step/squeeze wood over w ood over st other (give det	elow) Triangle	hicle Arch	Other Niche, bee-bole etc. (give details below) tone Inscription

Contir	nued:																	
																1.5		
													·					
Sketc	h plan /	sections			1													N
-			-			1					- 0							
				81									-					
							-		-	-		-						
								_			_							
									-			Ē						-10.0
									0									
_						_			See		-X	11						
																	1	
		4																
-		1		<u> </u>		-								-				
								, i							-			
									1							-		
		1												1				
					2								_					
				1.5					4.0									
			1			3									-			
															- 1			
								TT (0	-
		-								_		_						
						1.5					÷ 1			1				
										η.			-					1
	4						2.5											
												R		-				

AA					
ITE	NAME: Wart Stonesd	are PL	SITE CODE: WSP 15	WAL	
ocati	ion:		Date: 23/9/15	_	
	Anea 63		Surveyed by: menus	e Fall	ı
Size	Height (eg. 1.5m on ESE side) High Side: 1.3.5 on N Low side:		0.7m tones: 0,4m	Orientation	of wall (eg. NNE - SSW)
+	Construction	Stone fac	ced bank	Situation	
Style	double single above double vertical slab retaining (give details below) other (Give details below e.g. orthostatis rubble Infili, semi coursed) Details / notes:	☐ by itself	dge above	 ○ on earth t ○ by earth t ○ next to dill ○ by itself 	ank
-	Chilo	Stones	Top Stones		Stone Type
	Style	round	Laminar		slatey
	No. of through-bands per metre	irregular	Horizontal Angle	d uphill d downhill	(larminar, hard, smooth)
	Scoverband stones dressed thoroughly	Laminar Horizontal		/ combination raits below)	limestone (laminar/round, lumpy, hard/se
Detail	coursed	Vertical	Dressed		(fine compressed grains)
õ l	random	Angled	Diegoed		(inte compressed Biging)
	Details / notes:	other (give details	i below)	circular (give decails below)	other (give details below)
(100		cither (give details	Gate Gate		Other
Features (when recording tergitie of weld)	Details / notes: Smoots Wall Head sheep within wall leng water at wall junction rabbit at gate/stile with stoup without stoup Details / notes: tonal notes / sketch section	b Stile b Stile b steps to top step/squeez wood over s other (give d	below) Triangle other Mortar Gate Farm vehicle Horse Person wall stone stile tetalls below)	give details below) Bridge Arch Slab Not sto	Other Niche, bee-bole etc (give details below) ne Inscription (give details below)
Features (when recording tergitie of weld)	Details / notes: Smoots Wall Head sheep within wall leng water at wall junction rabbit at gate/stile with stoup without stoup Details / notes: tonal notes / sketch section	b Stile b Stile b steps to top step/squeez wood over s other (give d	below) Triangle other Mortar Gate Farm vehicle Horse Person wall stone stile tetalls below)	give details below) Bridge Arch Slab Not sto	Other Niche, bee-bole etc (give details below) ne Inscription (give details below)
Features (when recording tergitie of well)	Details / notes: Smoots Wall Head sheep within wall leng water at wall junction rabbit at gate/stile with stoup without stoup Details / notes: tonal notes / sketch section	Stile Stile Stile wood over v wood over v	below) Triangle other Mortar Gate Farm vehicle Horse Person wall stone stile tetalls below)	give details below) Bridge Arch Slab Not sto	Other

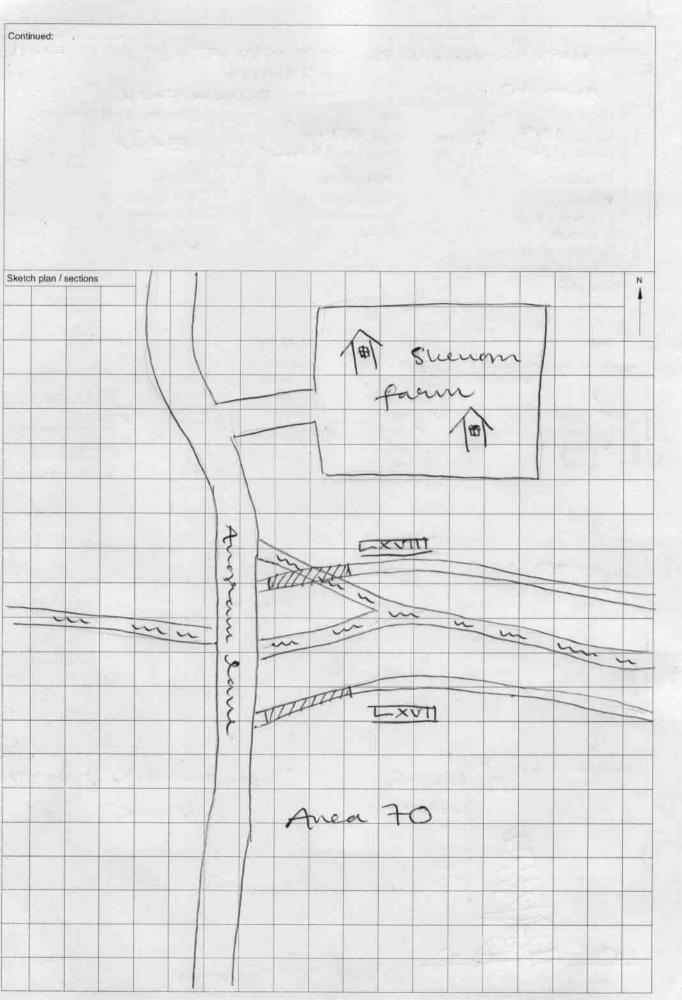


AA	32a					Field Wall Recording Sh
ITE		ent stones	etall PL	SITE CODE: WSP 1	S WAI	
ocat				Date: 23/9/15	-	
	Ane	n 63			use Fa	re
T	Height (eg. 1	5m on ESE side)	Width			of wall (eg. NNE - SSW)
SIZE		45 on N .	COLORADOR NO.	0,7		2
0		1,45 on 5		tones: O, L	e	E-w
_	2000.0000000000000000000000000000000000					
	Constructio	n	Stone fac	ed bank	Situation	
	double		with wal	labove	on earth t	
	single abo			ige above	by earth t	
<u>a</u>	vertical sia		by itself		next to di	ICh
Style		give details below)			by itself	
	rubble infill, s	details below e.g. orthostatic, semi coursed)				
	Details / notes:					
1	Style		Stones	Top Stones		Stone Type
	No. of through	-bands per metre	round	Laminar		slatey
		2 Continuous	irregular	Horizontal	Angled uphill	(laminar, hard, smooth)
		3	almost square	Vertical 📃	Angled downhill	(round, hard, smooth)
	coverband		Laminar		other / combination (give details below)	Imestone
	stones dre	essed thoroughly	Horizontal	Boulders		(laminar/round, lumpy, hard/s
_	V coursed		Vertical			(fine compressed grains)
leigi				Dressed		free marries and the second of the second
	random		Angled	Square	Semi circular	Other (give details below)
				below)	Semi circular other (give details below)	
			Angled	below)		
			Angled	below) Square C		
	and and a second		Angled	below) Square C		
	and and a second	Wall Head	Angled	below) Square C		
	Details / notes:		Angled	below) Square C	other (give details below) Bridge	Other
	Details / notes:	Wall Head	Angled Angled other (give details Stile	below) Square Constrained Balance Constrained	other (give details below) Bridge	Other
	Details / notes: Smoots Sheep	Wall Head	Angled Angled Stile squeeze	below) Square Triangle Mortar Gate Farm vehic Horse	other (give details below) Bridge le Arch	Other Other (give details below)
	Details / notes: Smoots Sheep water	Wall Head within wall length at wall junction at gate/stile with stoup	Angled Angled Angled Angled Angled Stile Stile squeeze steps to top step/squeeze wood over v	below) Square Triangle Mortar Gate Farm vehic Horse re Person wall	other (give details below) Bridge le Arch Slab	Other Other (give details below)
	Details / notes: Smoots Sheep water	Wall Head within wall length at wall junction at gate/stile	Angled Angled Angled Angled Angled Stile Stile Steps to top Step/squeeze wood over v wood over s	below) Square Cale Gale Farm vehic Horse ee Person wall stone stile	other (give details below) Bridge le Arch Slab	Other Other Inscription
	Details / notes: Smoots Sheep water	Wall Head within wall length at wall junction at gate/stile with stoup	Angled Angled Angled Angled Angled Stile Stile squeeze steps to top step/squeeze wood over v	below) Square Cale Gale Farm vehic Horse ee Person wall stone stile	other (give details below) Bridge le Arch Slab	Other Other Inscription
	Details / notes: Smoots Sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Angled Angled Angled Angled Angled Stile Stile Steps to top Step/squeeze wood over v wood over s	below) Square Cale Gale Farm vehic Horse ee Person wall stone stile	other (give details below) Bridge le Arch Slab	Other Other Inscription
	Details / notes: Smoots Sheep water	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Angled Angled Angled Angled Angled Stile Stile Steps to top Step/squeeze wood over v wood over s	below) Square Cale Gale Farm vehic Horse ee Person wall stone stile	other (give details below) Bridge le Arch Slab	Other Other (give details below) Other (give details below) ne (give details below)
	Details / notes: Smoots Sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Angled Angled Angled Angled Angled Stile Stile Steps to top Step/squeeze wood over v wood over s	below) Square Cale Gale Farm vehic Horse ee Person wall stone stile	other (give details below) Bridge le Arch Slab	Other Other (give details below)
FIERCIAL CARANT RECORDING INVICTORS OF WARD	Details / notes: Smoots Sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Angled Angled Angled Angled Angled Stile Stile Steps to top Step/squeeze wood over v wood over s	below)	other (give details below) Bridge le Arch Slab Not sto	Other Other Other Other Other Inscription (give details below)
FORULES (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	below)	other (give details below) Bridge le Arch Slab Not sto	Other Other Other Inscription (give details below)
FORULES (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	below)	other (give details below) Bridge le Arch Slab Not sto	Other Other Other Inscription (give details below)
FORULES (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Mortar Gate Farm vehic Horse re Person wall stone stile etails below) Normen of on Morxed	other (give details below) Bridge le Arch Slab Not sto Not sto	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Ward wed k
Features (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Triangle Mortar Gate Farm vehic Horse Person wall stone stille etails below) Norther A on Mortar	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Wall
Features (when reconting lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Triangle Mortar Gate Farm vehic Horse Person wall stone stille etails below) Norther A on Mortar	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Other Inscription (give details below)
Features (when reconsing lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Mortar Gate Farm vehic Horse re Person wall stone stile etails below) Normen of on Morxed	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Ward wed k
Features (when recording invurties of weet) Detail	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Triangle Mortar Gate Farm vehic Horse Person wall stone stille etails below) Norther A on Mortar	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Ward wed k
Features (when reconting lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Triangle Mortar Gate Farm vehic Horse Person wall stone stille etails below) Norther A on Mortar	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Ward wed k
Features (when reconting lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	Square Criangle Triangle Mortar Gate Farm vehic Horse Person wall stone stille etails below) Norther A on Mortar	other (give details below) Bridge le Arch Slab Not sto Not sto rea 63.	Other Other Niche, bee-bole et (give details below) ne Inscription (give details below) Prend Wall
Features (when recording lengths of well)	Details / notes: Smoots Sheep water rabbit Details / notes:	Wall Head within wall length at wall junction at gate/stile with stoup without stoup without stoup	Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angled Angle An	below) Square Triangle Mortar Gale Farm vehic Horse Person wall stone stile etails below) Norther of on Mortar	other (give decalls below) Bridge le Arch Slab Not sto Not sto Not sto Arca 63. Quant nemed	Other Other Niche, bee-bole ett (give details below) ne Inscription (give details below) Prend Wall

-	-				_													
Conti	nued:																	
Sketc	h plan /	sections	E.										1		1	1		N
					1													_ 1
							-									11	1.1	
				1			-				-	-						
						_						1						
																	5	
												-					1	
								-	9			1			-			+
	-		-	-	8	ee	K	Sec.	24								-	-
							K	e 11										12
		1						- 1										
-9	1.00							_					97				1	
2		1	1.1			1	- E			-		-						
				ан Кол			a.									123	1.1	
		1	2	1.15										-				1
	e 5				100				1									
				1								П						
									_							-		
														1				
	-	-		1.28												-	1.00	
								1			1							
		1.20																
		-													1	-		
				1											1			1
															3	-		
										-			-					
														- 28				-
						~												
											1.00				Sec. 1			1.1

SITE N	NAME: WS.Or	+ Stonesel	all PL	SITE CODE: WSP 1	WAL	L SECTION NO. LXVII
ocati		. 5100000		Date: 23/9/15		
	Anen	.70			use Fau	ike
Size	Height (eg. 1.5r High Side:	n on ESE side) 45 on N s 45 on S s	Width ide At base: C ide below top sto		and the second sec	of wall (eg. NNE - SSW)
Style	Construction double single above vertical slab retaining (giv	e double e details below) etails below e.g. onhostatic,	Stone face with wall with hedg by itself	above	Situation on earth b by earth b next to dit by itself	ank
Detail	Style No. of through-t 0 2 1/1 3 Coverband Stones dress Coursed random Details / notes:	ands per metre	Stones round irregular Laminar Vertical Angled other (give details b	Ventcal A Ventcal A Boulders Dressed Square S	ungled uphill ungled downhill ther / combination dve details below) Semi circular ther (give setails below)	Stone Type slatey (laminar, hard, smooth) granity (round, hard, smooth) filmestone (laminar/round, lumpy, hard/soft) sandstone (tine compressed grains) other (give details below)
-	Smoots	Wall Head	Stile	Gate	Bridge	Other
Features (when recording langths of well)	sheep water rabbit Details / notes:	 within wall length at wall junction at gate/stile with stoup without stoup 	squeeze steps to top step/squeeze wood over w wood over st other (give der	all one stile	a Arch	Niche, bee-bole etc. (give details below)
Additu	onal notes / sketch		uemog ctron	wear	opnine Stor	d, granne
Phote	mannen og		BW [] Film No:	Digital 📓 arwood House, Hamire Enterprise Park, E		tham DL12 88N © NAA-20

NAA 32a



ITE	NAME: when	A Stonesd	Lale PL	SITE CODE: WSP 1	S WAL	L SECTION NO. LXVIII
ocat	ion:	a 70		Date: 23/9/15		
	Ane	a to		Surveyed by: There	re Fal	ic
Size	Height (eg. 1.5) High Side:	n on ESE side) 7- on S si . Ce on N si	Width de At base: C de below top sto	1,7m	Orientation	of wall (eg. NNE - SSW)
-	Construction		Stone face	ed bank	Situation	
Style	double single above vertical slab retaining (give	e double re details below) etails below e.g. onhostatic,	with wall	above	 on earth b by earth b next to dituine 	ank
-	Style		Stones	Top Stones		Stone Type
Detail	No. of through-t	bands per metre	 round irregular almost square Laminar Horizontal Venical Angled 	Laminar Horizontal Ang Vertical Ang Angled othe Gene Boulders Dressed Square Sen	gled uphill gled downhill ar / combination avaits below) ni circular	 slatey (laminar, hard, smooth) granity (round, hard, smooth) Imestone (laminar/round, lumpy, hard/soft sandstone (fine compressed grains) other (give details below)
	Details / notes;		Other (give details b	Triangle othe	ef (give setails below) Dicideoc	Other
GS (when recording lengths of weld)	Details / notes: Smoots sheep water rabbit	Wall Head within wall length at wall junction at gate/stile with stoup without stoup	Stile Stile Stile Stop Stop Stop Step/squeeze wood over w output output Step/squeeze Step/squeez	Triangle othe	er (give details below) Bridge Arch Slab Not stor	Other
Features (when recording lang	Smoots	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile Stueze Steps to top Step/squeeze wood over w wood over st	Triangle othe	Bridge Arch Slab Not stor	Niche, bee-bole etc (give details below) e Inscription
DD	Smoots sheep water rabbit Details / notes: tonal notes / sketch	 within wall length at wall junction at gate/stile with stoup without stoup 	Stile squeeze steps to top step/squeeze wood over w wood over st other (give det	Triangle other other interval of the interv	Bridge Arch Slab Not stor	Niche, bee-bole e (give details below)

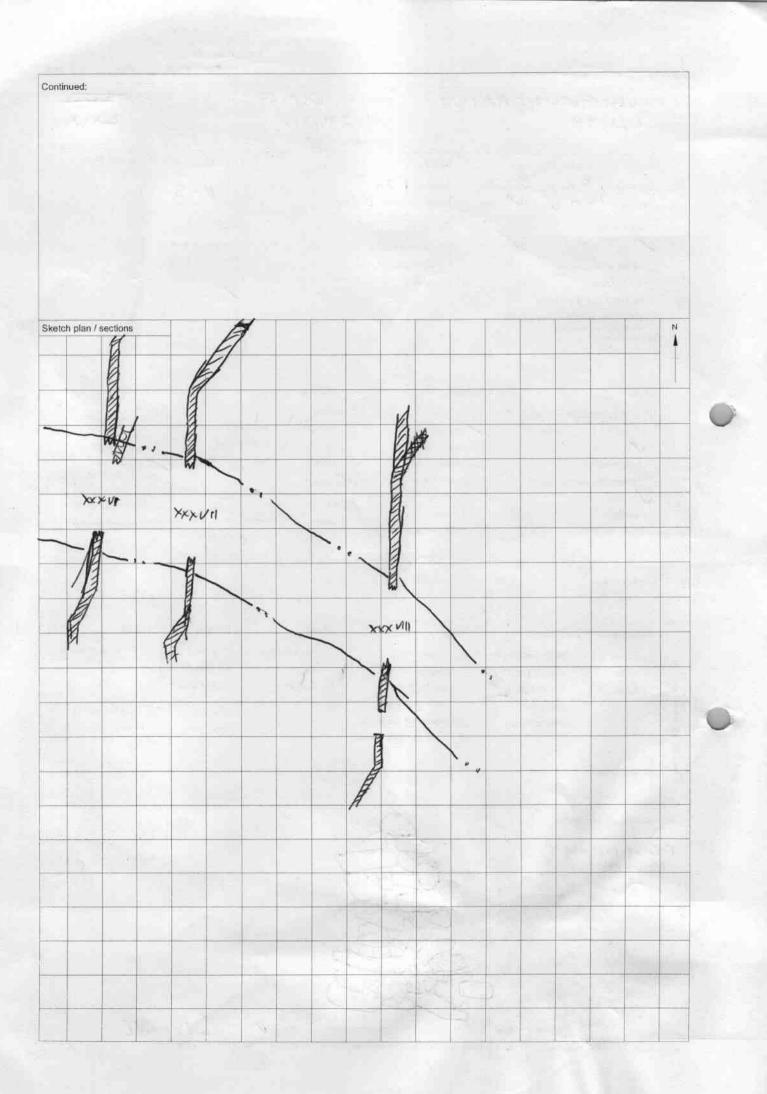
NAA 32a

Continued:		_								-		-				
												8				
											£.					
	il i	_														
Sketch plan / sections	3	ċγ			3		9							Η.	1	N A
											1					
						-	-				-			4		
						1.0									1	
							¥					5				
					8	ee	T	×v	11		~ 10					
														2	1.	
				1.0												
	N.															
									5							
										_						_
			_									50				4
			_			_						*				
		34								_						
3		1.5		. 30		12.0					A		- 11-			
		124	1		174							5.25				
										-6-3						
			_													
						- 1						2				
														2.	-85	
				127												
				~			æ									

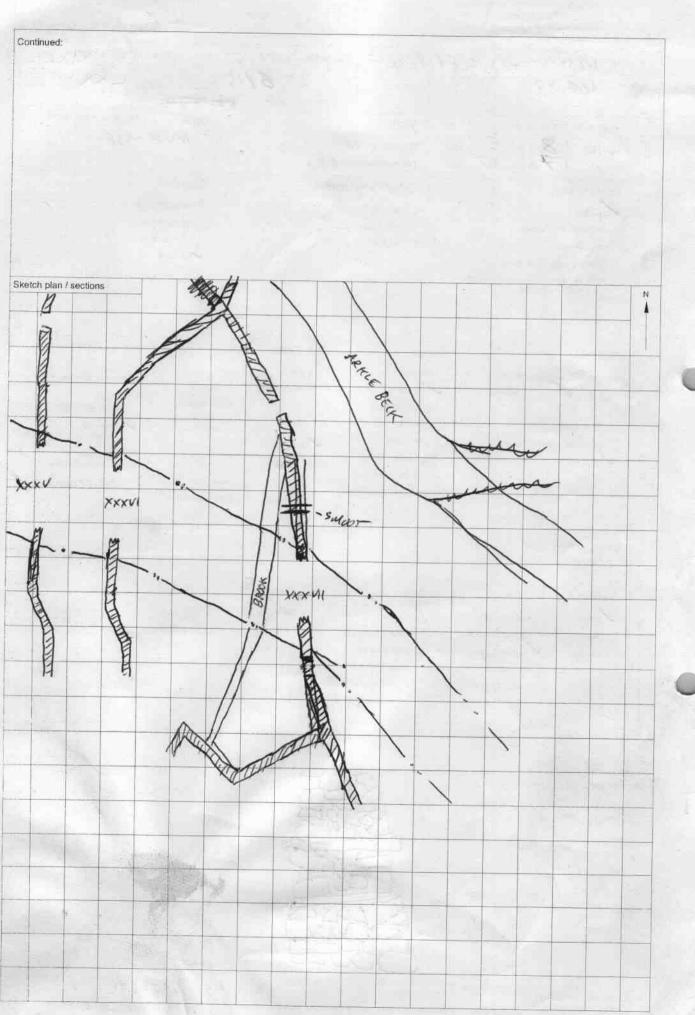
a charten t			SITE CODE: 6/6	DIC	WAI	LL SECTION NG
	NAME WEST STONES DALE PIP	ELINE	A DECEMBER OF A	P15	1.4.4.4.4	71 - 1
.ocat	ion: AREA 3B		Date: 23/6/	15		LXIX
			Surveyed by:		riantation	of wall (eg. NNE - SSW)
	Height (eg. 1.5m on ESE side)	Width		0	nentation	I UI Wall leg. Inte Court
Size	High Side: 1.7 M. on E sid	de At base: 1			N-	5
	Low side: 15 M. on W. si		iones: 0.6M	_		
	Construction	Stone fac	ed bank	S	ituation	
	double	with wal] on earth t	
	single above double		lge above	-] by earth t] next to di	
e.	vertical slab	by itself		1	by itself	
Style	other (Give details below)					
	rubble infill, semi coursed) Details / notes:			1		
	Details / Holds.					
					14	
	Style	Stones	Top Stones			Stone Type
	No. of through-bands per metre	round	🗌 Laminar			(laminar, hard, smooth)
1	0 2 continuous	irregular	Horizontal	Angled up		granity
		almost square	Venical	Angled do		(round, hard, smooth)
	coverband	Laminar	Angled	other / cor (give details t		(laminar/round, lumpy, hard/soft
ail	stones dressed thoroughly coursed	Vertical	Boulders	1.11		sandstone
Detail	random	Angled	Dressed		100	(fine compressed grains)
		other (give details	below)	Semi circi		other (give details below)
				other (sive	(watailt bolow)	
	and the second		Triangle	other (give	details below)	1-1
				other (give	detailti below)	
	Details / notes:		Triangle	other (give	details below)	
	Details / notes:		Triangle	other (give	Setalls below)	
	Details / notes: Smoots Wall Head	Stile	Triangle	_ other (give	Bridge	Other
		Stile	Gate	other (sw	2	Niche bee-bole etc.
s of well)	Smoots Wall Head	2	Gate	n vehicle	Bridge	
g kengths of well)	Smoots Wall Head	squeeze	Gate	n vehicle	Bridge	Niche, bee-bole etc.
econstruct interprism of weld)	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	squeeze steps to top step/squee	Gate Gate Farr Jee Personal Wall	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
where reconstruct locations of well?	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
LIGE (when recording lengths of well)	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	squeeze steps to top step/squee	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Geatures (when recording lengths of well)	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Features (when recording terrgitie of well)	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup without stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)
Add	Smoots Wall Head sheep within wall length water at wall junction rabbit at gate/stile with stoup with stoup without stoup without stoup Details / notes: without stoup itonal notes / sketch section off off with f	squeeze steps to top step/squee wood over wood over	Gate Gate Farr Gate Pers wall stone stile	n vehicle	Bridge Arch Slab	Niche, bee-bole etc. (give details below)

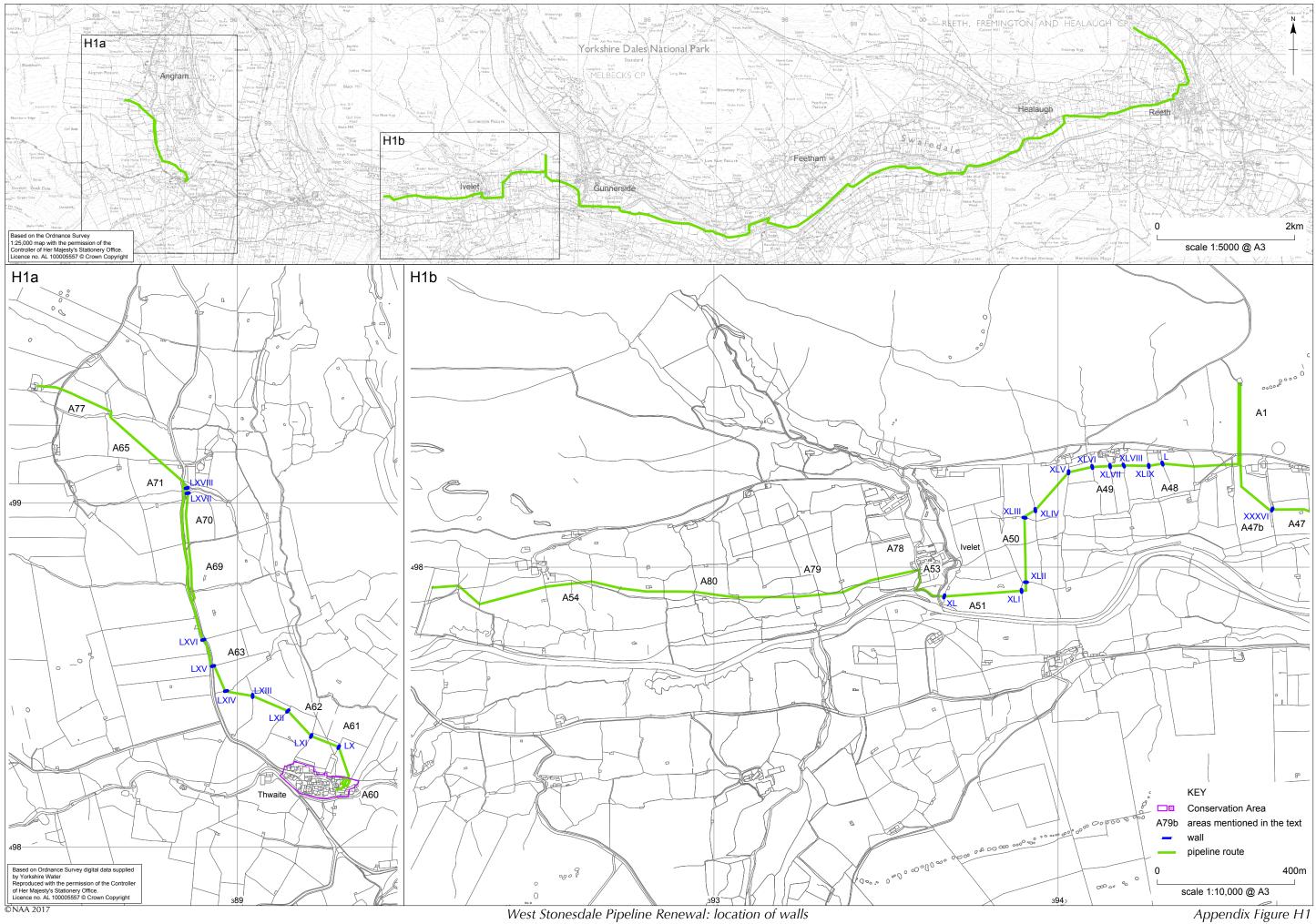
Photographs If found please return to: Northern Archaeological Associates Ltd, Marwood House, Harmine Enterprise Park, BARNARD CASTLE, Co Durham DL12 88N Doc 277a v.1.00

© NAA 2011

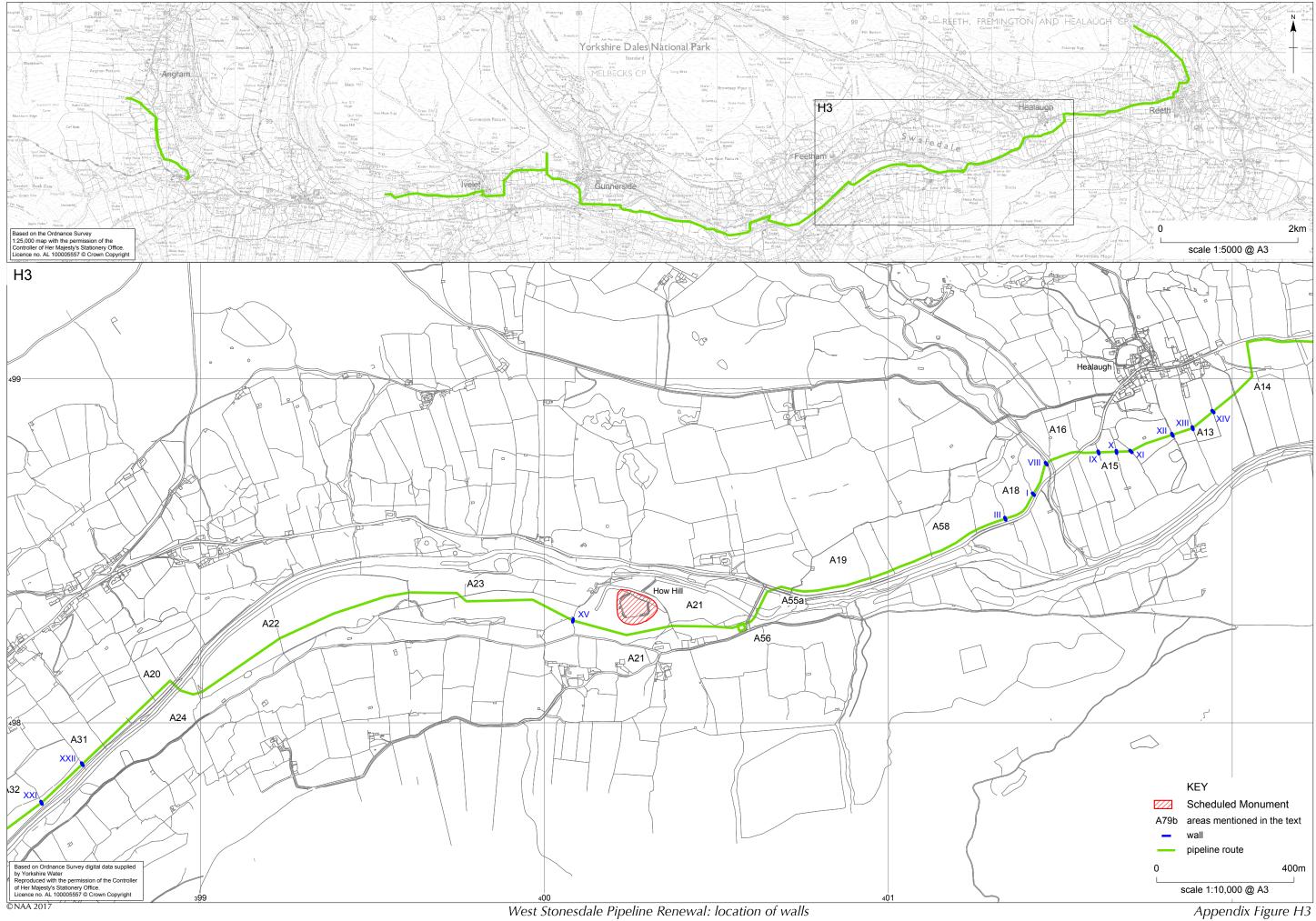


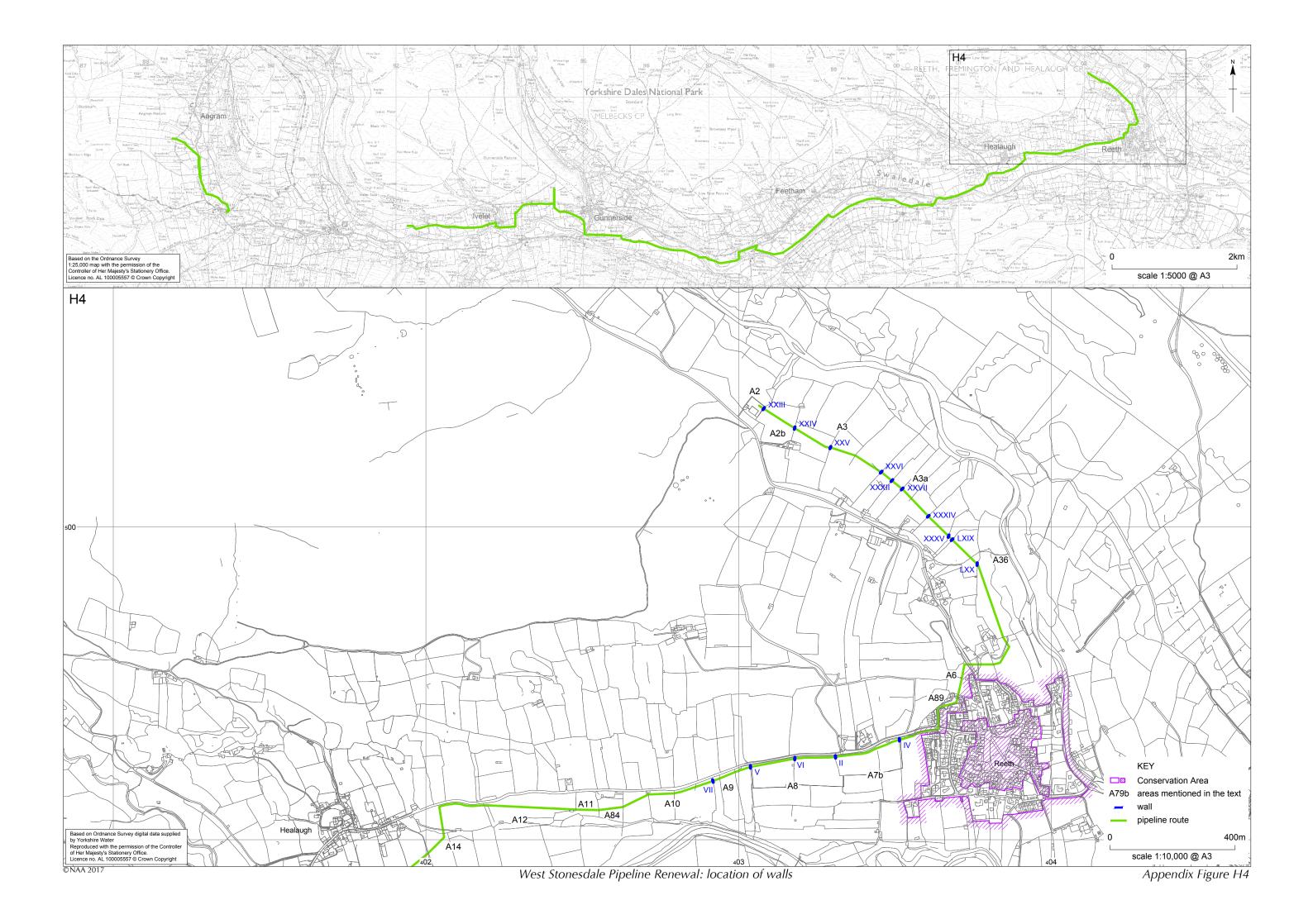
-	32a	1.0	COLOFILIE	SITE CODE:	CRIE	WALL	SECTION NOCKEVIL
		STONESOAL	ETIFELINE		6115		LXX
cati	on: AREA	38				1 mit	~~~
				Surveyed by:	100	Orientation	of wall (eg. NNE - SSW)
	Height (eg. 1.5	m on ESE side)	Width				
000	High Side:	8 on E si	ide At base: 0	9M		NNW.	- 556
	Low side:	7 Mon W si	ide below top sto	ones: 0.5m			
+	Construction	1	Stone face	ed bank		Situation	
	double		with wall	above		on earth ba	nk
	single abov	e double		ge above		🗌 by earth bar	nk
	vertical slab		by itself			next to ditch	10
Style		ve details below)				by itself	
s		ietails below e.g. orthostatic,					
	rubble infill, se Details / notes:	ami coursed)					
							Stone Type
	Style		Stones	Top Stone	s		_
	No. of through	bands per metre	round	Laminar		d unbill	(laminar, hard, smooth)
	0 P	2 Continuous	irregular -	Horizon	김 씨들에 가지?	id uphill id downhill	granity
		3	almost square	Angled	other	/ combination	(round, hard, smooth)
	coverband	ssed thoroughly	Horizontal	Boulders		etells below)	limestone (laminar/round, lumpy, hard/si
ail	coursed	ssed morouginy	Vertical				sandstone
Detail	random	:	Angled	Dressed	C Sam	circular	(fine compressed grains)
			other (give details	below)		(give details below)	other (give details below)
		1					
	1.112			Mortar			
	Details / notes:						1 month
				1			Charles M
	Smoots	Wall Head	Stile	Gat	e	Bridge	Other
ę	Isheep	within wall length	Squeeze	and a second	arm vehicle	Arch	(give details below)
- B	water	at wall junction	steps to top			Slab	
filment (rabbit	at gate/stile	step/squee:		erson	Not ston	e
norain		with stoup	wood over	and the second second			(give details below)
ofter re		without stoup	wood over	- Martin Fall			
res (other (give d	setails besow)			
Features (when recording langths of	Details / notes			1 day			
11.							
			~	m -	1000	<u></u>	and the second second
Add	ditonal notes / ske	tch section	K	y d			
			Fr	TAR			
			L'Y	45 MES			
				and a			
			50	-			
			KT	TOP			
			The second secon	niona			
				11100			
				The			
		1.1	A	DEC			
		4.5	B				
		CS Film Me:			Digital	Fam No. 447-	1.98













Wall I



Wall II



Wall III



Wall IV



Wall V



Wall VI

West Stonesdale Pipeline Renewal: Walls I-VI



Wall VII



Wall VIII



Wall IX



Wall X



Wall XI



Wall XII

West Stonesdale Pipeline Renewal: Walls VII-XII



Wall XIII



Wall XIV



Wall XV



Wall XVI



Wall XVII



Wall XVIII

West Stonesdale Pipeline Renewal: Walls XIII-XVIII



Wall XIX



Wall XX



Wall XXI



Wall XXII



Wall XXIII



Wall XXIV



Wall XXV

West Stonesdale Pipeline Renewal: Walls I-VI



Wall XXVI



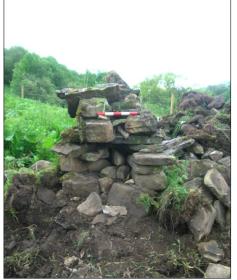
Wall XXVII



Wall XXVIII



Wall XXIV



Wall XXX



Wall XXXI



Wall XXXIII



Wall XXXIV

West Stonesdale Pipeline Renewal: Walls I-VI



Wall XXXV



Wall XXXVI



Wall XXXVII



Wall XXXVIII



Wall XXXIX



Wall XL



Wall XLI



Wall XLII



Wall XLIII



Wall XLIV



Wall XLV



Wall XLVI



Wall XLVII



Wall XLVIII



Wall XLIX



Wall L



Wall LI



Wall LII

West Stonesdale Pipeline Renewal: Walls I-VI



Wall LIII



Wall LIV



Wall LV



Wall LVI



Wall LVII



Wall LVIII

West Stonesdale Pipeline Renewal: Walls I-VI



Wall LIX



Wall LX



Wall LXI



Wall LXII



Wall LXIII



Wall LXIV



Wall LXV



Wall LXVI



Wall LXVII



Wall LXVIII

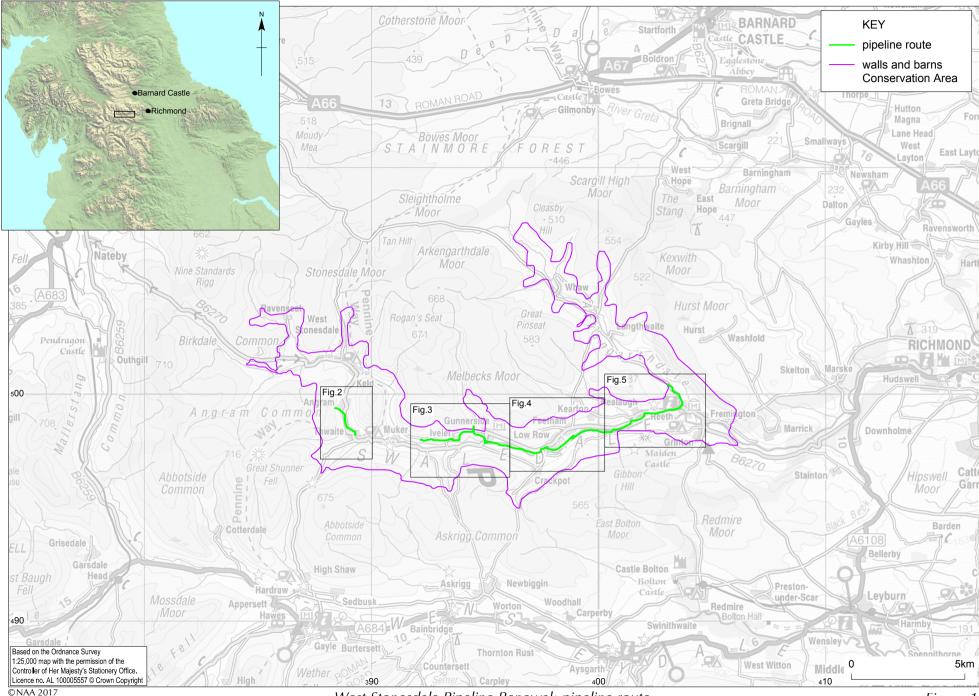


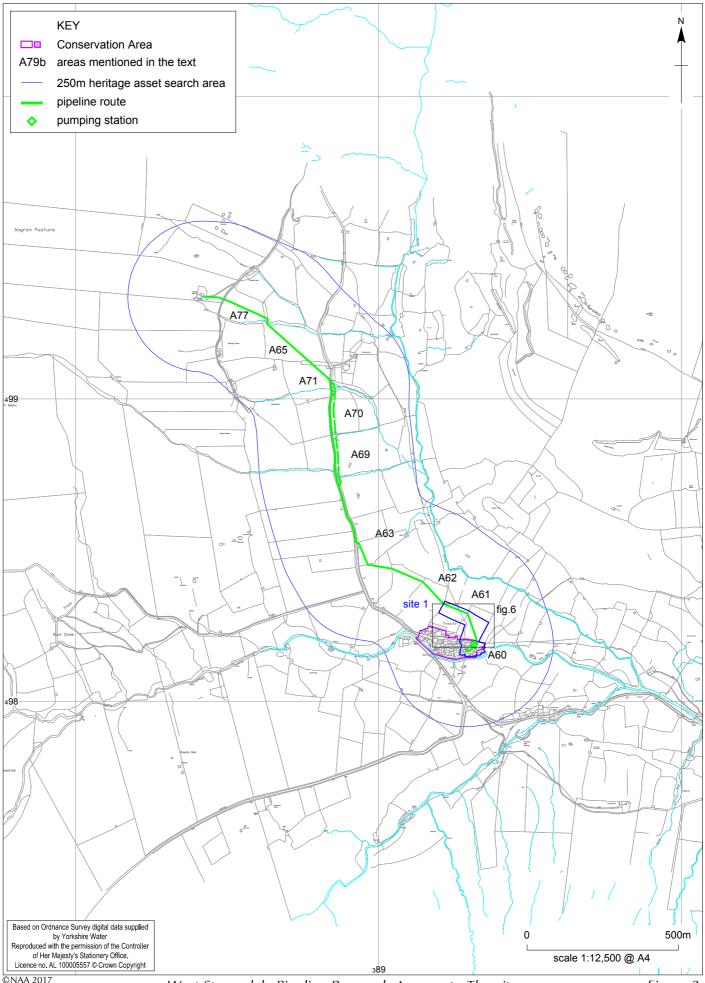
Wall LXIX



Wall LXX

West Stonesdale Pipeline Renewal: Walls I-VI

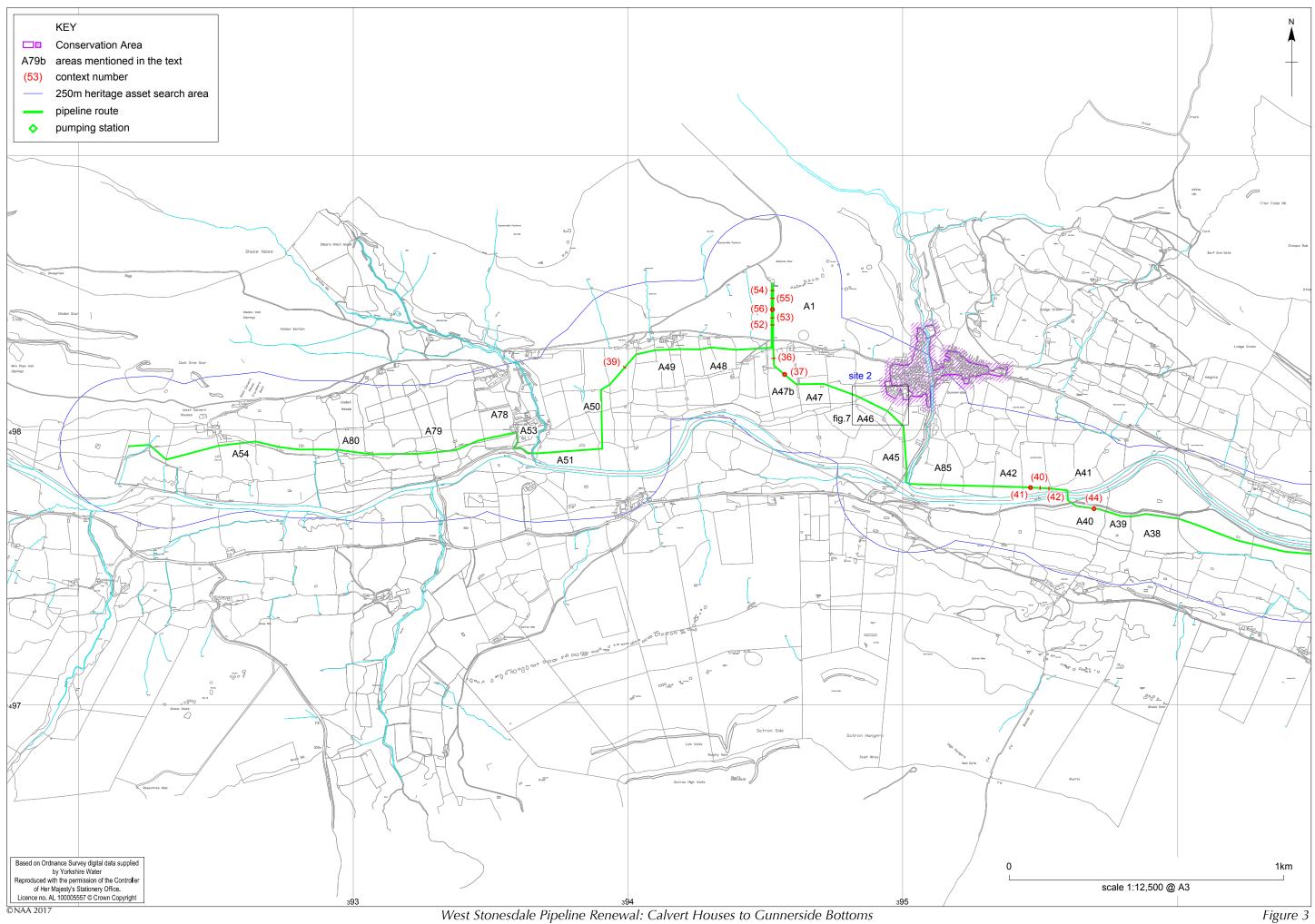


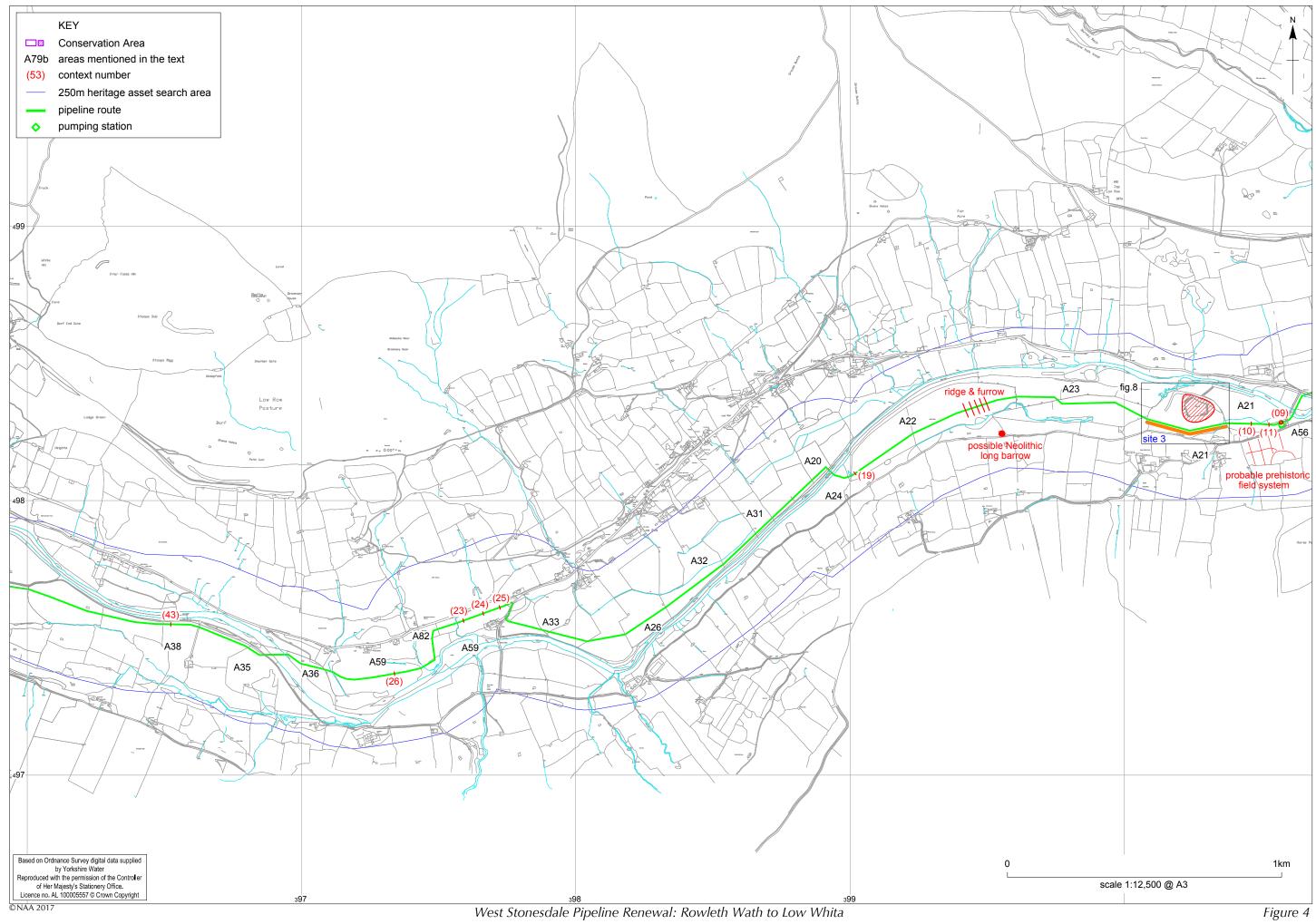


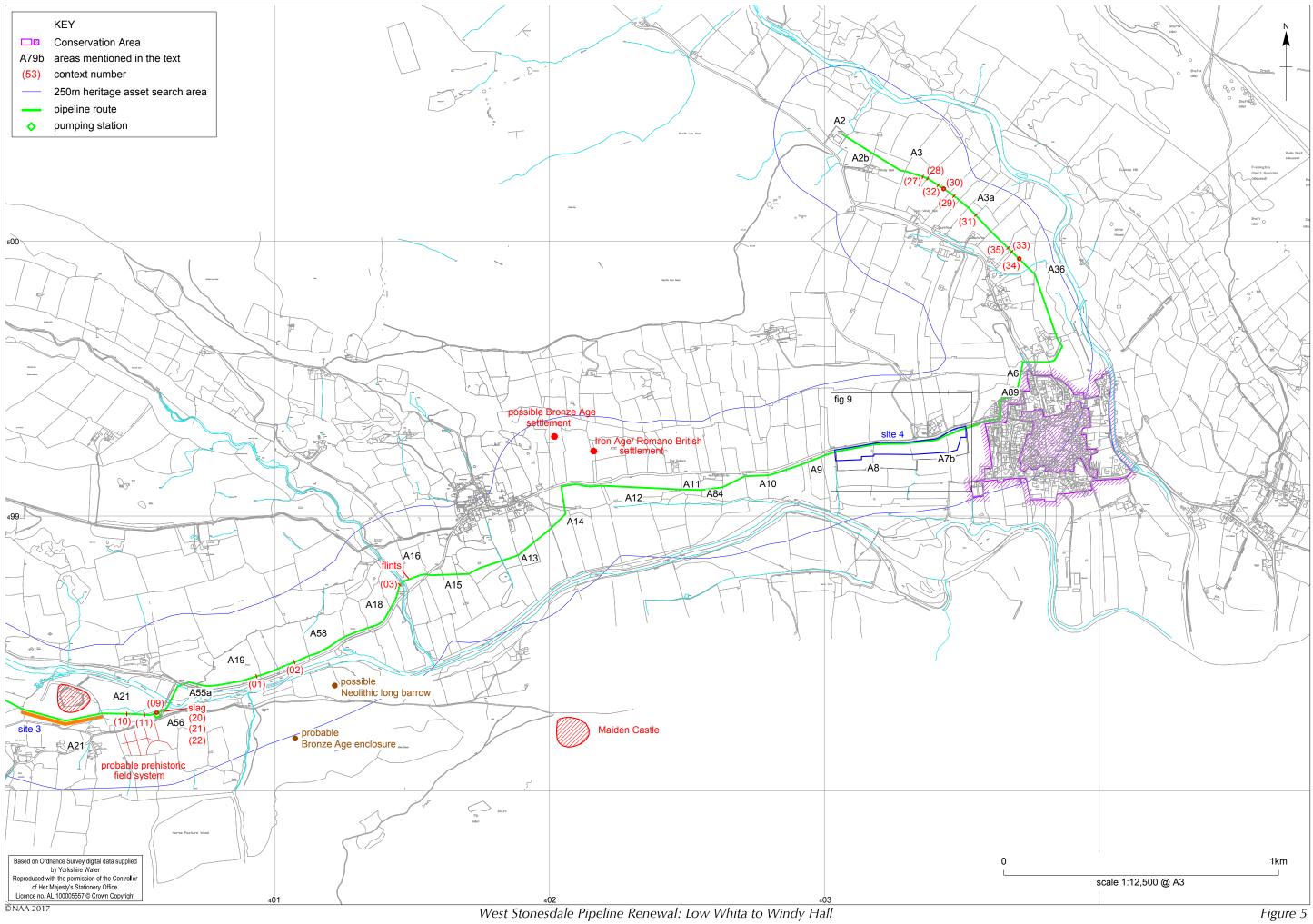
©NAA 2017

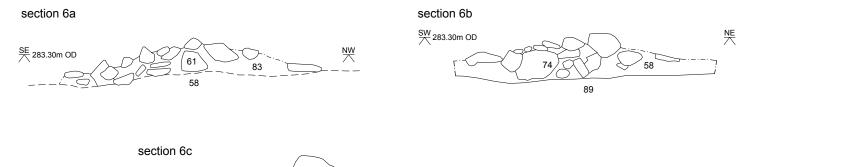
West Stonesdale Pipeline Renewal: Angram to Thwaite

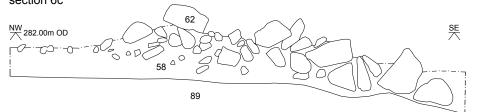
Figure 2





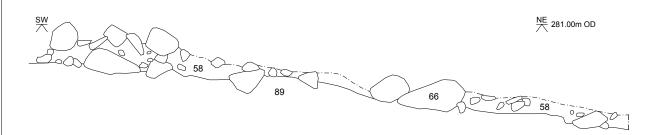






section 6e

section 6g



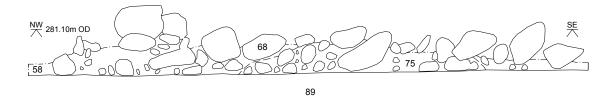


0

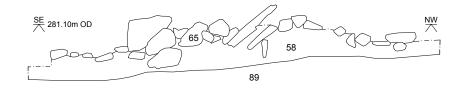
62

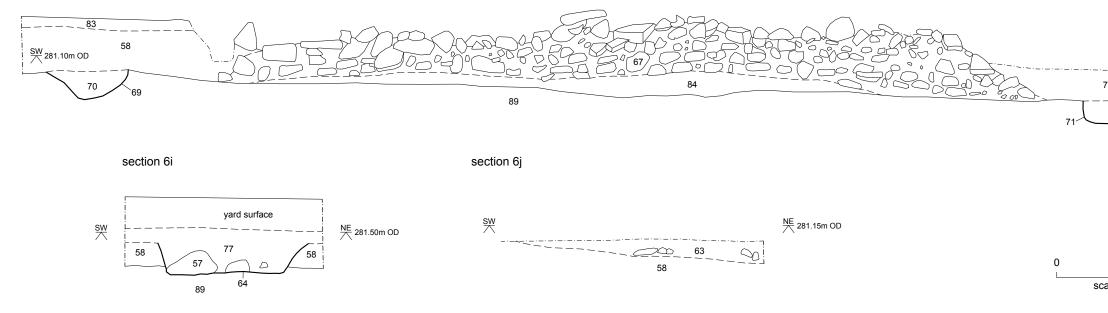
section 6f

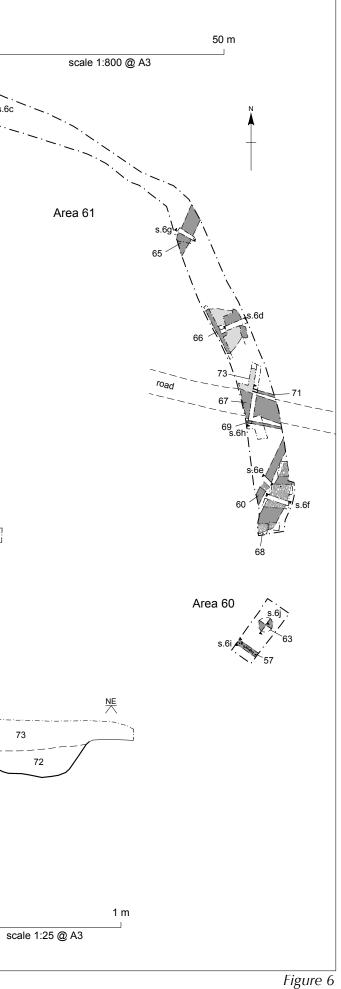
section 6d

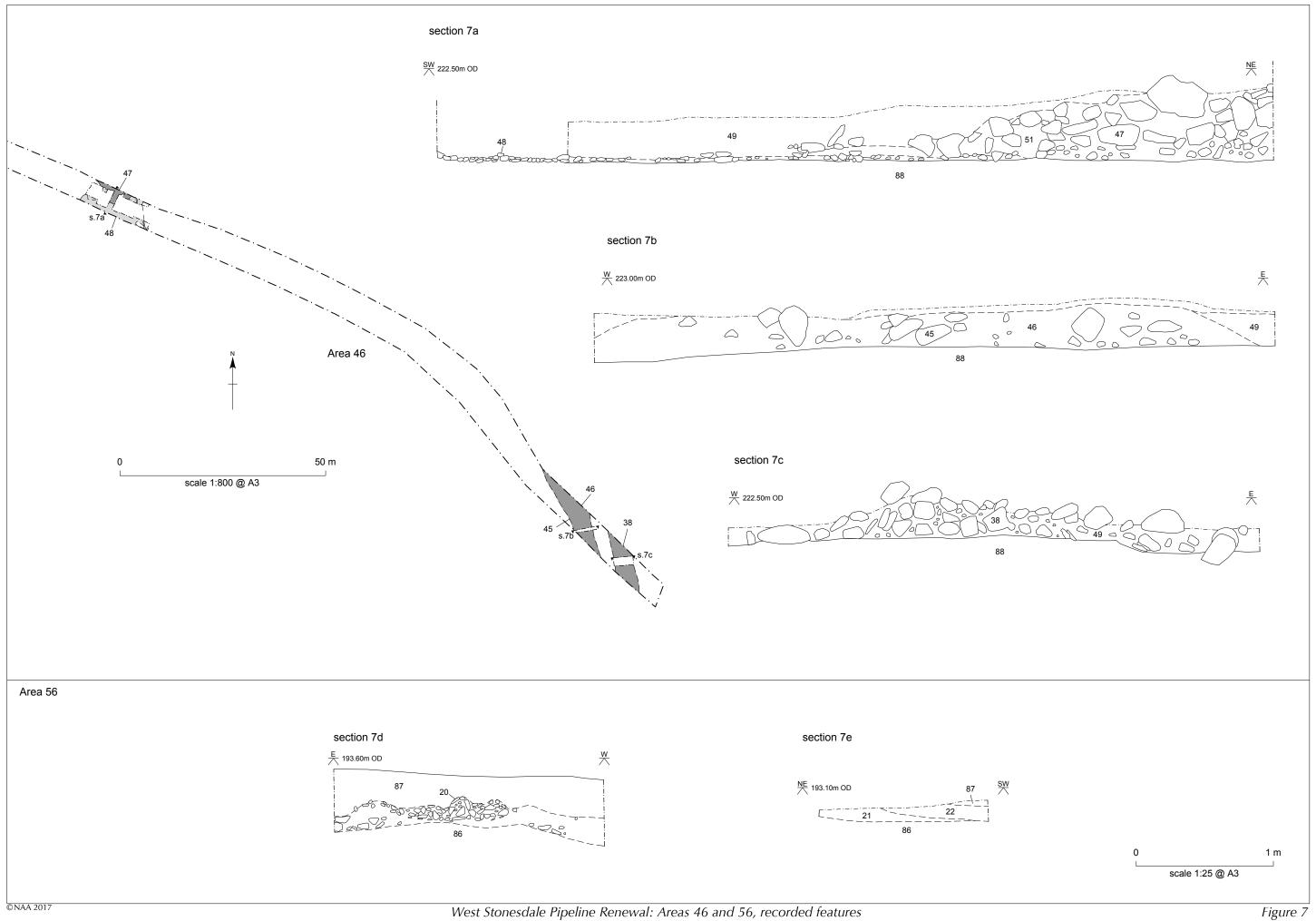


section 6h









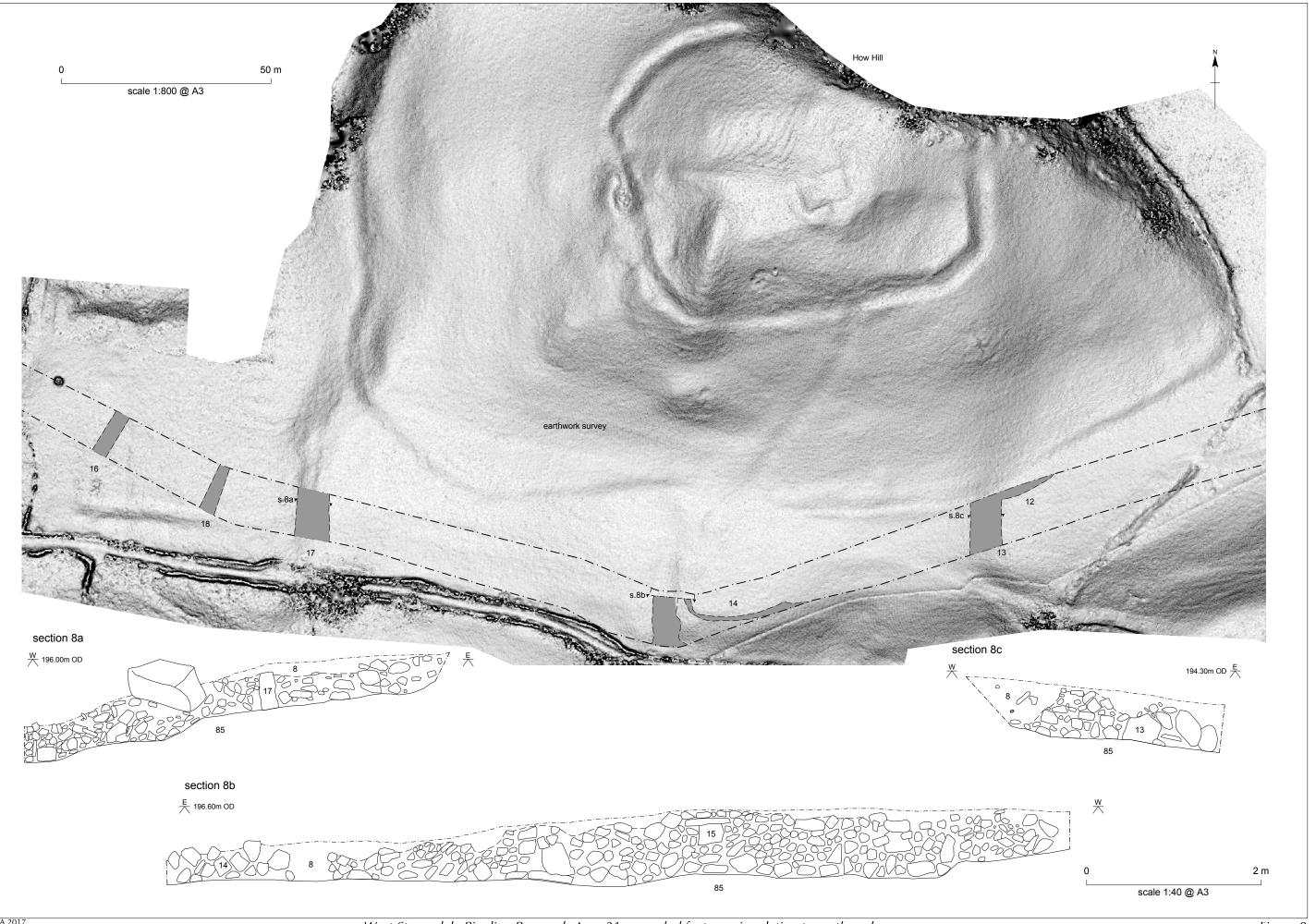
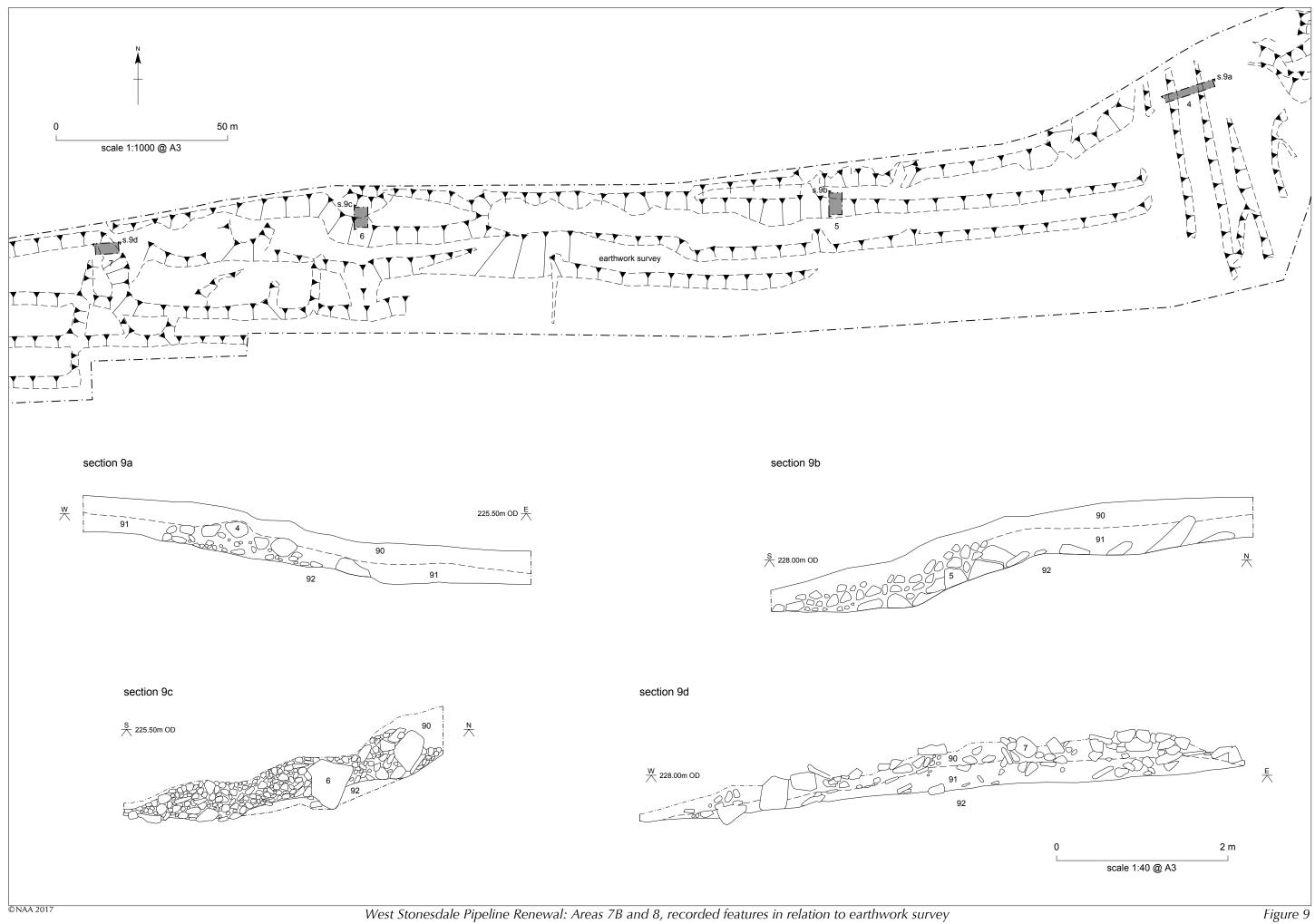
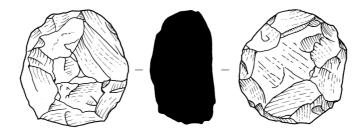


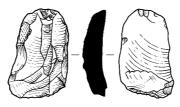
Figure 8



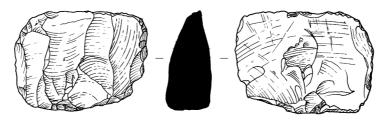
Context 58, WSP15-030 Chert discoidal core



Context 50, WSP15-039 Flint thumbnail scraper



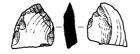
Context 49, WSP15-004 Brown chert end scraper



Context 58, WSP15-011 Red flint oblique arrowhead



Context 8, WSP15-003 Possible leaf shaped arrowhead/microlith



Context 73, glass bangle fragment



0 5cm scale 1:1 @ A4

West Stonesdale Pipeline Renewal: illustrated finds



West Stonesdale Pipeline Renewal: possible Roman road surface 67





West Stonesdale Pipeline Renewal: disused culvert 39

Plate 2



West Stonesdale Pipeline Renewal: revetment for hillside trackway 52





©NAA 2017

West Stonesdale Pipeline Renewal: culvert intersection 36

Plate 4



©NAA 2017

West Stonesdale Pipeline Renewal: clearance cairn 37

Plate 5



©NAA 2017

West Stonesdale Pipeline Renewal: cairn 47 and trackway 48Plate 6



West Stonesdale Pipeline Renewal: wall remains 42

Plate 7



West Stonesdale Pipeline Renewal: wall remains 40

Plate 8



West Stonesdale Pipeline Renewal: demolished field barn 44 Plate 9



©NAA 2017

West Stonesdale Pipeline Renewal: wall remains 43

Plate 10



West Stonesdale Pipeline Renewal: Plate 11 wall remains 26



©NAA 2017

West Stonesdale Pipeline Renewal: field bank 23

Plate 12



West Stonesdale Pipeline Renewal: trackway 24

Plate 13



©NAA 2017

West Stonesdale Pipeline Renewal: field bank 25

Plate 14



West Stonesdale Pipeline Renewal: floodbank 19

Plate 15



©NAA 2017

West Stonesdale Pipeline Renewal: field bank 16

Plate 16



West Stonesdale Pipeline Renewal: bank 18

Plate 17



©NAA 2017

West Stonesdale Pipeline Renewal: field system bank 10 Plate 18



©NAA 2017

West Stonesdale Pipeline Renewal: field system bank 11; Plate 19 How Hill in background



West Stonesdale Pipeline Renewal: cairn 9

Plate 20



©NAA 2017

West Stonesdale Pipeline Renewal: enclosure bank 12

Plate 21



©NAA 2017

West Stonesdale Pipeline Renewal: causeway 15, with enclosure bank 14 in background

Plate 22



West Stonesdale Pipeline Renewal: slag deposit 21

Plate 23



West Stonesdale Pipeline Renewal: wall footing 01

Plate 24



West Stonesdale Pipeline Renewal: culvert 02

Plate 25



West Stonesdale Pipeline Renewal: wall remains 03

Plate 26



West Stonesdale Pipeline Renewal: cultivation terrace 5, west of Reeth

Plate 27







©NAA 2017

West Stonesdale Pipeline Renewal: field bank 27

Plate 28



West Stonesdale Pipeline Renewal: field bank 31

Plate 29



West Stonesdale Pipeline Renewal: field bank 32

Plate 30



West Stonesdale Pipeline Renewal: Plate 31 culvert 33



©NAA 2017

West Stonesdale Pipeline Renewal: culvert 35

Plate 32



West Stonesdale Pipeline Renewal: culvert 29

Plate 33



West Stonesdale Pipeline Renewal: culvert 28

Plate 34



©NAA 2017

West Stonesdale Pipeline Renewal: clearance cairn 34