

**Thirstone Quarry Extension Phase 1, South  
Lanarkshire:  
Archaeological Mitigation**

Data Structure Report



by Douglas Gordon

issued 5<sup>th</sup> April 2013

**RATHMELL**   
ARCHAEOLOGY LTD

## Quality Assurance

This report covers works which have been undertaken in keeping with the issued brief as modified by the agreed programme of works. The report has been prepared in keeping with the guidance of Rathmell Archaeology Limited on the preparation of reports. All works reported on within this document have been undertaken in keeping with the Institute for Archaeologists' Standards and Policy Statements and Code of Conduct.

Signed ..... Date .....

In keeping with the procedure of Rathmell Archaeology Limited this document and its findings have been reviewed and agreed by an appropriate colleague:

Checked ..... Date .....

Copyright Rathmell Archaeology Limited. All rights reserved.

No part of this report may be copied or reproduced by any means without prior written permission from Rathmell Archaeology Limited. If you have received this report in error, please destroy all copies in your possession or control and notify Rathmell Archaeology Limited.

This report has been prepared for the exclusive use of the commissioning party and unless otherwise agreed in writing by Rathmell Archaeology Limited, no other party may use, make use of or rely on the contents of the report. No liability is accepted by Rathmell Archaeology Limited for any use of this report, other than the purposes for which it was originally prepared and provided.

Opinions and information provided in the report are on the basis of Rathmell Archaeology Limited using due skill, care and diligence in preparation of the same and no explicit warranty is provided as to their accuracy. It should be noted and it is expressly stated that no independent verification of any of the documents or information supplied to Rathmell Archaeology Limited has been made.

## Contents

<b>Introduction .....</b>	<b>4</b>
<b>Historical and Archaeological Background .....</b>	<b>4</b>
Previous archaeological investigations .....	4
Historic Land Use .....	4
Aerial Photographs .....	7
Archaeological Landscape .....	7
<b>Project Works .....</b>	<b>7</b>
<b>Findings .....</b>	<b>7</b>
<b>Discussion .....</b>	<b>9</b>
Recommendations .....	12
<b>Conclusion .....</b>	<b>12</b>
<b>Acknowledgements .....</b>	<b>12</b>
<b>References .....</b>	<b>13</b>
Documentary .....	13
Cartographic .....	13
<b>Appendix 1: Trench Details .....</b>	<b>14</b>
<b>Appendix 2: Registers .....</b>	<b>22</b>
Context Register .....	22
Photographic Register .....	23
Drawing Register .....	30
<b>Appendix 3: Discovery &amp; Excavation in Scotland .....</b>	<b>35</b>
<b>Contact Details .....</b>	<b>36</b>

## Figures

Figure 1a: Extract from Roy’s Military Survey of Scotland (1752-55).....	5
Figure 1b: Extract from Ainslie’s Map of Southern Scotland (1821).....	5
Figure 2: Extract from Ordnance Survey 1st edition map of 1863 .....	6
Figure 3: Post-excavation trench layout .....	8
Figure 4a: Trench 18 from the SSE.....	10
Figure 4b: Trench 25b from the NW .....	10
Figure 5a: Trench 36 from the N .....	11
Figure 5b: Trench 39 from the S .....	11

## Introduction

1. This Data Structure Report has been prepared for Johnson, Poole & Bloomer Ltd on behalf of Loudounhill Contracts Ltd in respect to the extension to the ongoing extraction of sand and gravel at Thirstone Quarry, South Lanarkshire. The archaeological works were designed to mitigate the impact on the archaeological remains within the extraction area.
2. South Lanarkshire Council required a programme of archaeological works to be undertaken as a requirement of the issued planning consent (CL/12/0293). The West of Scotland Archaeology Service (WoSAS) who advise South Lanarkshire Council on archaeological matters provided guidance on the structure of archaeological works required on site during extraction works.
3. Rathmell Archaeology Limited were appointed by Johnson, Poole & Bloomer Ltd on behalf of Loudounhill Contracts Ltd to undertake the development and implementation of archaeological mitigation works prior to the development of the site. The project works were outlined in the Written Scheme of Investigation (Gordon 2013), which was agreed with the West of Scotland Archaeology Service.
4. This report details the findings from the intrusive evaluation undertaken in keeping with this Written Scheme of Investigation within the Phase 1 area of the development area at Thirstone Quarry.

## Historical and Archaeological Background

5. The new extraction area at Thirstone Quarry overlies an area of rough pasture which does not, according to the West of Scotland Archaeology Service and Royal Commission on the Ancient & Historical Monuments of Scotland, contain any known archaeological sites. A detailed assessment of the archaeological potential of this ground is presented within the Environmental Statement that accompanied the planning application, presented below is a summary of its findings as they pertain to the development area.

### *Previous archaeological investigations*

6. An evaluation at 5% sample intensity was undertaken prior to the re-opening of Thirstone Quarry for sand and gravel extraction in 2007 by GUARD (WoSAS Event: 3724). This evaluated the ground within the then proposed extraction area that had not been previously subject to extraction. This study evidenced a topsoil depth varying from 0.15 to 0.5m overlying a variable sand and gravel subsoil; within an area of impeded drainage in the southwest peat extending to 0.7m depth was exposed. However, the evaluation did not locate any significant archaeological features or recover any finds.
7. A further two evaluations at the 5% sample intensity was undertaken for the extension of Thirstone Quarry by Rathmell Archaeology in 2011 and 2012. These both evaluated ground to the immediate west of the M74. Neither evaluation located any significant archaeological features or recover any finds.

### *Historic Land Use*

8. A review of the available historical mapping also failed to locate any additional sites of archaeological interest. When mapped in the mid 18<sup>th</sup> century by Roy's Military Survey of Scotland (1752-55) the proposed extraction area is marked as unused hill ground (see Figure 1a) lying to the east of the Sanquhar to Lanark road, running north from Crawfordjohn.
9. By the early 19<sup>th</sup> century, Ainslie's map of 1821 (see Figure 1b) shows that there has been a realignment of the local road network with a road running from Abington to Douglas Mill passing through the development area with a branch from Crawfordjohn joining this route within the area. The area remains throughout the Ordnance Survey historic mapping as rough pasture to the north-east of Thirstone, a small farm that is mapped from the mid nineteenth century. The development area continued to be bisected by the roadway running northwest from Abington (see Figure 2).



Figure 1a: Extract from Roy's Military Survey of Scotland (1752-55)



Figure 1b: Extract from Ainslie's Map of Southern Scotland (1821)

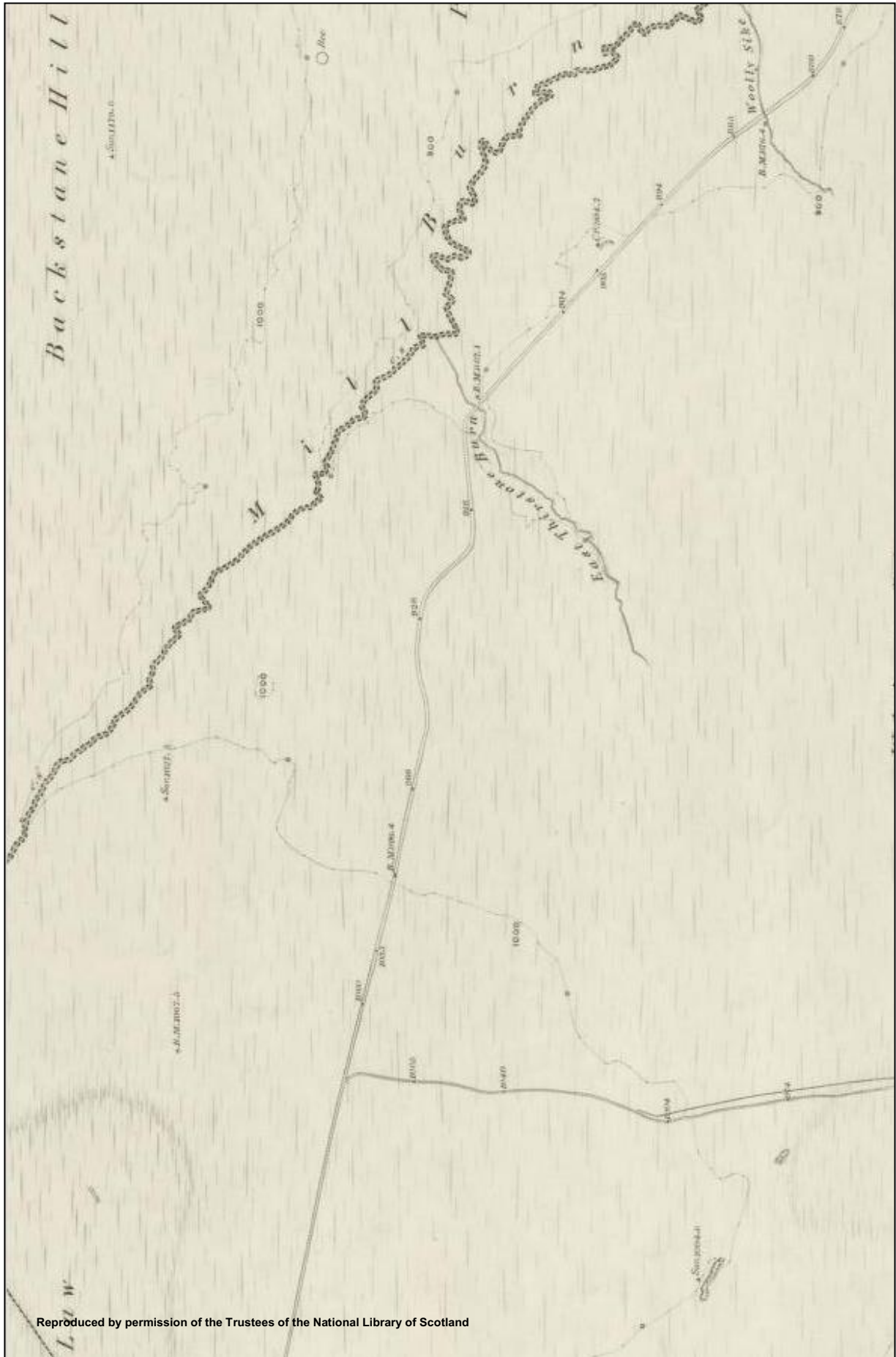


Figure 2: Extract from Ordnance Survey 1st edition map of 1863

10. Throughout the mapped sequence there is no suggestion of arable use of the land, or of intensive enclosure. No structures are identified within the study area.

### *Aerial Photographs*

11. The RCAHMS Collections hold a number of vertical aerial photographs within its collections which provide detailed coverage of the study area. The two main sorties inspected (1946 and 1988) show a common character to the study area: being relatively featureless upland grazing. No archaeological sites, other than the steady presence of the axial road were noted within the study area.

### *Archaeological Landscape*

12. The closest known site is the record of a group of 19 small cairns up to 3m in diameter by 0.5m high spread in a random manner on the southwest slopes of White Rig at 295m OD (centred on NGR: 28990 62620; WoSAS Pin: 12657; Canmore ID: 74545). This site lies some 350m southeast of the proposed extraction area. The surveyor who located these cairns also noted that the two largest and most northerly cairns of the group were removed by quarrying operations for the M74 road (T, Ward 1990).
13. Approximately 1km to the northwest lies Thirstone Stone Circle (NGR: 288200 627160; WoSAS Pin 10049; Canmore ID: 46425) to the east on Knock Leaven Hill a cairn is recorded (NGR: 29085 626055; WoSAS Pin 1054; Canmore ID; 22864) and approximately 2km to the southeast on Black Hill there are a number of burial cairns recorded and an unenclosed settlement (NGR: 903 241; WoSAS Pin 10520; Canmore ID; 47435), all prehistoric in date have been recorded.
14. Although no archaeological features have been recorded within the development area, the presence of a number of features in the surrounding area demonstrates the potential for the recovery of significant archaeological features.

## Project Works

15. An archaeological evaluation was undertaken between the 14<sup>th</sup> and the 28<sup>th</sup> March 2013, which was carried out in keeping with the methods detailed in the Written Scheme of Investigation (Gordon 2013). This evaluation consisted of the excavation of a series of intrusive trenches to expose a 5% sample of the initial phase of the development area (roughly 16ha, a minimum sample of 8000m<sup>2</sup>) to be archaeologically examined. A 30m buffer was placed along the eastern edge of the site due to the presence of otters in the Thirstone Burn. This reduced the study area by 9165m<sup>2</sup> meaning a minimum sample of 7542m<sup>2</sup>. WoSAS attended site on the 14<sup>th</sup> March 2013 to see the works in progress and provide guidance.
16. The positioning of the trenches was largely in keeping with the agreed trench plan; as requested by WoSAS the trench plan was considered indicative and variations to the position and alignments of some trenches were made to target topographical features. In addition an extra 10m long trench (Trench 25b-Figure 4b) was excavated through a small mound to ensure it was targeted. In total 7782m<sup>2</sup> of trenching was excavated, exceeding the required 5% sample. The position of the trenches is shown on the site plan (Figure 3).
17. All works were conducted in accordance with the West of Scotland Archaeology Service Standard Conditions, the Institute for Archaeologists' Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

## Findings

18. In total seventy seven evaluation trenches were excavated across the Phase 1 area of the development, using a 360° mechanical excavator with a toothless 2m ditching bucket. The details of the trenches can be found in Appendix 1 within this report. As excavation of the trenches commenced, it became clear that the ground was sodden and peat (001) was the topsoil across the site, the depth of which was considerably varied according to location (Figures 4a-b, 5a-b).

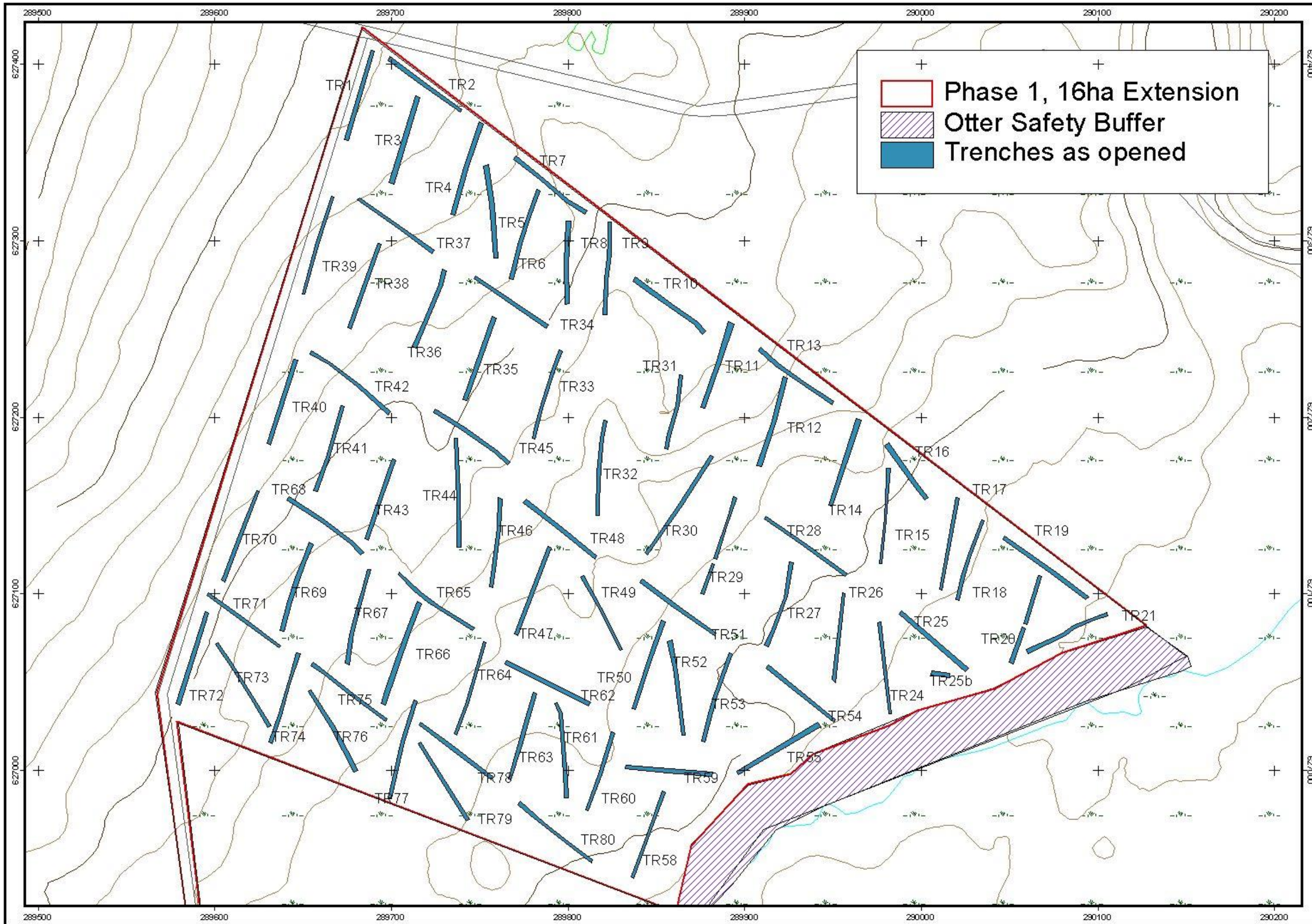


Figure 3: Post-excavation trench layout



19. Topsoil (001) consisted of dark brown peat which in thickness was generally about 300mm in depth although was up to 900mm in places. In general (001) overlay slightly varying red orange-brown sands and gravels ((002) and (003)). In certain trenches a thin mid brown gray clay ((004), (005) and (006) with frequent green stone inclusions was situated between peaty topsoil (001) and the sand and gravels.
20. Across the study area were various linear features [007] visible at surface level. Many of these were cut only within the topsoil peat; some, however, were cut deeper as they were evident in the base of some of the trenches (Trenches 20, 21, 30, 50, 51, 61, 63, 70, 75, 77 and 78). These cuts were roughly aligned NW-SE, with the alignment of certain linear cuts varying to take in to account raised topographical features before returning to a NW-SE alignment. These cuts [007] were U shaped in section with a flattish base, measuring 200mm wide and up to 300mm in depth. They were mostly filled with re-deposited peaty topsoil (001) which appears to have slumped in from the sides, generally leaving a small open channel running the length of the linear.
21. Within Trenches 3 and 4, three further features were investigated which had been exposed in the base of the trenches. Within Trench 3, (009) was an irregular circle in plan measuring approximately 1m in diameter and up to 100mm in depth. Its sides and base were irregular and its fill was a mid brown stoney silt. In Trench 4, (008) was a pair of shallow irregular linears approximately 2.3m apart aligned NW-SE which were approximately 1m wide and up to 120mm in depth. The fill consisted of a very mixed grey silt with compact manganese and iron pan in the base. These varied from the [007] linears in their irregularity and meandering nature.
22. During two and half weeks on site no new upstanding archaeological features were observed, an anomalous low mound situated in the southern portion of the site, was investigated with a 10 metre trench that bisected the mound. The mound was found to be natural. In addition no artefacts were observed within the topsoil, only a single plastic bottle was observed in Trench 1.

## Discussion

23. The results of the evaluation trenching yielded no evidence of significant archaeological remains within the study area. The NW-SE aligned linear cuts [007] appear to be drainage ditches, given that they lead to the East Thirstone Burn and also the general saturated nature of the ground. In all likelihood they are of a relatively recent origin.
24. The other features that were investigated appear to be natural in origin. Given the general size, shape and irregular nature of (009), it appears to be bioturbation caused by the base/roots of a small tree or large bush. The linears (008), given their irregular nature, also appear to be natural, most likely a water course at some point in the past. This appears borne out by the presence of manganese and iron pan in the base which appears to have been water deposited.
25. A suggestion was made that there was a possibility that the presence of sufficient peat on site may mask the presence of monuments. The evaluation confirmed the findings of the previous site investigations carried out by Raeburn in 2011, which were '*they have evidenced that the typical conditions within the development area are for between 100mm to 300mm of peaty topsoil or peat overlying drift geology (either clay or sand and gravel). Only in two instances were greater depths recorded (400mm and 600mm of peat) – again directly onto drift geology.*' (Rees & Turner 2012). The only difference was that the evaluation found one trench (Trench 25b) where the peaty topsoil was 900mm in depth, for the rest of the site 300mm was the norm. Hence the overall peat coverage does not appear to have a masking impact at a landscape level, although very small-scale localised masking is possible.
26. There was no evidence from any of the trenches that the peaty topsoil had ever been ploughed or otherwise subject to any intrusive agricultural regime. Although clearly some attempt to improve general drainage has been made relatively recently. Coupled with the absence of any artefacts (either modern or ancient) this suggests that there has been no intensive anthropic activity nearby that would lead to discard and loss of such material



Figure 4a: Trench 18 from the SSE



Figure 4b: Trench 25b from the NW



Figure 5a: Trench 36 from the N



Figure 5b: Trench 39 from the S

across this phase of the development area.

27. As an observation from working on the ground, it is cautionary to note that the known prehistoric ritual / funerary sites are all located in higher and often topographically distinct locations that afford significant if not extensive views of the landscape. The development area does not meet these subjective criteria, which may go some way to rationalise why some portions of the broader surrounding landscape have attracted prehistoric monuments while others, such as this location, remain barren of identifiable activity.

### *Recommendations*

28. These intrusive archaeological works did not reveal any significant archaeological features or artefacts within the study area which equated to the Phase 1 portion of the development. Those features that were exposed were investigated and revealed to be either modern or natural in origin. Given the targeting of topographical features within the study area this would have ensured that any archaeological sites present would have been uncovered. In addition to this the confirmed shallow depth of the peaty topsoil (001) across the site is unlikely to have masked any archaeological monuments.
29. Hence, we recommend that no further archaeological works are appropriate prior to or during the Phase 1 portion of the current development.
30. Within the Environmental Statement (Rees & Turner 2012) Rathmell Archaeology Ltd considered that the absence of known sites, the failure of the survey to identify new sites and the lack of effective masking processes militated against the need for archaeological works. This position was not supported by WoSAS in their advice to the planning authority, with their recommendation being for archaeological works on a pre-cautionary basis. Although, in recognition of past regimes at the quarry, they advocated the initial investigation sample be reduced from their standard 8% to a 5% sample.
31. With this Phase 1 evaluation continuing the pattern of the earlier three evaluations carried out in 2007, 2012 and 2013 in failing to identify any significant archaeological features, we reiterate our recommendation that further archaeological works are not an appropriate proportionate response to mitigate the potential impact from the current development. Hence we recommend that the archaeological condition is purged from the consent (please note with care that this recommendation is separate and additional to the recommendation that no further works are appropriate within the Phase 1 area).
32. The appropriateness and acceptability of our recommendations rest with South Lanarkshire Council and their advisors, West of Scotland Archaeology Service. These recommendations should not be acted upon until their agreement has been secured.

## **Conclusion**

33. A programme of archaeological works was required by Johnson, Poole & Bloomer Ltd on behalf of Loudounhill Contracts Ltd in respect to the proposed extension and ongoing extraction of sand & gravel at Thirstone Quarry, South Lanarkshire, planning consent CL/12/0293. The archaeological works were designed to mitigate the impact on the archaeological remains within the development area.
34. The archaeological investigative works consisted of an intrusive evaluation which was designed to assess a 5% sample of the proposed development area. Only modern or natural features were uncovered during the course of the works.

## **Acknowledgements**

35. The authors would like to thank the West of Scotland Archaeology Service for their guidance on the structure of these archaeological works. They would also like to thank Thomas Rees for his edits of this report, in addition to Katie Sludden for her help with the appendices within this report.

## References

### *Documentary*

- Gordon, D                      2013                      *Thirstone Quarry, South Lanarkshire: Archaeological Mitigation: Written Scheme of Investigation*. Unpublished commercial report by Rathmell Archaeology Ltd.
- Rees, T & Turner, L 2012                      *Thirstone Quarry, South Lanarkshire: Historic Environment: EIA Chapter*. Unpublished commercial report by Rathmell Archaeology Ltd.
- Swann, D                      2007                      *Thirstone Quarry, South Lanarkshire, Archaeological Evaluation Data Structure Report*. Discovery and Excavation Scotland, Vol 8, pp 186.
- Ward, T                      1990                      *Survey: Clydesdale A74 and M74 road development routes*. Discovery and Excavation Scotland, pp 37-8.

### *Cartographic*

- |         |                 |   |
|---------|-----------------|---|
| 1747-55 | Roy             | Military Survey of Scotland             |
| 1920    | Ordnance Survey | 3 <sup>rd</sup> edition Ordnance Survey |

## Appendix 1: Trench Details

Within this appendix a standardised set of data pertaining to the evaluation trenches is presented.

All measurement distances quoted along the trench measure based on the quoted orientation of the trench.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
1	NNE-SSW	50.0m x 2m	360mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
2	NW-SE	45.0m x2m	250mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
3	NNE-SSW	48.0 m x2m	350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
4	NNE-SSW	51.0 m x2m	300mm	((003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
5	S-N	50.0 m x2m	320mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
6	NNE-SSW	50.0 m x2m	250mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
7	NW-SE	48.0 m x2m	220mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
8	S-N	45.0 m x2m	250mm	((003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
9	NNE-SSW	51.0 m	210mm	(006) Grey, compact stony clay. No	N/A	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
		x2m		inclusions.			
10	NW-SE	49.0 m x2m	180mm- 300mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
11	NNE-SSW	48.0 m x2m	230mm- 300mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
12	NNE-SSW	50.0 m x2m	110mm- 200mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
13	NW-SE	50.0 m x2m	110mm- 150mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
14	NNE-SSW	48.0 m x2m	180mm- 280mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
15	NNE-SSW	53.0 m x2m	180mm- 250mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
16	NW-SE	38.0 m x2m	450mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
17	N-S	52.0 m x2m	430mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
18	NNE-SSW	45.0 m x2m	250mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
19	NW-SE	58.0 m x2m	250mm	(003): Red and orange-brown, very compact gravels with iron pan	N/A	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
				patches.			
20	NNE-SSW	52.0 m x2m	280mm	(005): Mid brown and grey, moderately compact stony clay. No inclusions.	(007) Drainage ditches.	N/A	N/A
21	NE-SW	50.0 m x2m	480mm	(005): Mid brown and grey, moderately compact stony clay. No inclusions.	(007) Drainage ditches.	N/A	N/A
22	N/A	0.00	N/A	Omitted due to Otter Run	N/A	N/A	N/A
23	N/A	0.00	N/A	Omitted due to Otter Run	N/A	N/A	N/A
24	N-S	50.0 m x2m	150mm-260mm	(003): Red and orange-brown, very compact gravels with iron pan patches. (005): Mid brown and grey, moderately compact stony clay. No inclusions.	N/A	N/A	N/A
25	NW-SE	50.0 m x2m	320mm-600mm	(005): Mid brown and grey, moderately compact stony clay. No inclusions.	N/A	N/A	N/A
26	NNE-SSW	47.0 m x2m	230mm-320mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
27	NNE-SSW	48.0 m x2m	220mm-470mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
28	NW-SE	54.0 m x2m	300mm-370mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
29	NNE-SSW	57.0 m x2m	380mm-490mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
30	NNE-SSW	67.0 m	300mm-	(003): Red and orange-brown, very	(007) Drainage	N/A	N/A



Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
		x2m	360mm	compact gravels with iron pan patches.	ditches.		
31	N-S	41.0 m x2m	260mm-340mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
32	N-S	53.5 m x2m	280mm-550mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
33	NNE-SSW	51.5 m x2m	250mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
34	NW-SE	50.6 m x2m	240mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
35	NNE-SSW	49.0 m x2m	240mm-300mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
36	NNE-SSW	47.0 m x2m	360mm-600mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
37	NW-SE	52.0 m x2m	220mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
38	NNE-SSW	51.0 m x2m	360mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
39	NNE-SSW	57.0 m x2m	250mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
40	NNE-SSW	50.0 m	380mm-	(003): Red and orange-brown, very compact gravels with iron pan	N/A	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
		x2m	400mm	patches.			
41	NNE-SSW	50.0 m x2m	290mm- 380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
42	NW-SE	55.0 m x2m	300mm- 360mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
43	NNE-SSW	47.0 m x2m	390mm- 450mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
44	NNE-SSW	60.4 m x2m	280mm- 380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
45	NW-SE	52.0 m x2m	240mm- 360mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
46	NNE-SSW	50.0 m x2m	200mm- 350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
47	NNE-SSW	51.5 m x2m	280mm- 330mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
48	NW-SE	50.8 m x2m	340mm- 700mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
49	NNE-SSW	47.0 m x2m	280mm- 500mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
50	NNE-SSW	50.2 m x2m	300mm- 450mm	(003): Red and orange-brown, very compact gravels with iron pan	(007) Drainage ditches.	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
				patches.			
51	NW-SE	50.0 m x2m	320mm-330mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
52	N-S	51.1 m x2m	350mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
53	NNE-SSW	51.0 m x2m	450mm-600mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
54	NW-SE	47.7 m x2m	300mm-600mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
55	N-S	53.1 m x2m	250mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
56	N/A	0.00	N/A	Omitted due to Otter Run	N/A	N/A	N/A
57	N/A	0.00	N/A	Omitted due to Otter Run	N/A	N/A	N/A
58	NNE-SSW	50.5 m x2m	330mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
59	NW-SE	49.5 m x2m	270mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
60	NNE-SSW	46.4 m x2m	200mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
61	N-S	53.2 m x2m	330mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
62	NW-SE	53.2 m x2m	260mm-500mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
63	NNE-SSW	51.9 m x2m	280mm-300mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
64	NNE-SSW	53.8 m x2m	330mm-380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
65	NW-SE	52.0 m x2m	280mm-440mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
66	NNE-SSW	61.0 m x2m	290mm-400mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
67	NNE-SSW	53.0 m x2m	300mm-380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
68	NW-SE	51.3 m x2m	280mm-380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
69	NNE-SSW	51.2 m x2m	230mm-330mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
70	NNE-SSW	53.2 m x2m	270mm-350mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
71	NW-SE	50.3 m x2m	300mm-340mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern Features	Significant Features	Artefacts
72	NNE-SSW	54.0 m x2m	270mm-380mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
73	NW-SE	55.8 m x2m	160mm-300mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
74	NNE-SSW	52.0 m x2m	250mm-430mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
75	NW-SE	51.7 m x2m	400mm-600mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
76	NW-SE	54.6 m x2m	330mm-440mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
77	NNE-SSW	55.7 m x2m	370mm-510mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
78	NW-SE	51.1 m x2m	350mm-360mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	(007) Drainage ditches.	N/A	N/A
79	NW-SE	51.6 m x2m	300mm-500mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A
80	NW-SE	51.7 m x2m	280mm-500mm	(003): Red and orange-brown, very compact gravels with iron pan patches.	N/A	N/A	N/A

## Appendix 2: Registers

Within this appendix are all registers pertaining to works on-site during the evaluation.

### Context Register

Context No.	Area/ Trench	Type	Description	Interpretation
001		Deposit	Dark brown, moderately compact highly organic clay with very occasional small stones. Bioturbation from turf, gorse, heather and mosses. At its deepest it measured 900mm but in general averaged at 350mm across the evaluation area.	Topsoil (Peat)
002	Trench 16	Deposit	Red and orange-brown moderately compact sandy gravel with silt and iron pan patches, very similar to (003)	Natural Subsoil
003		Deposit	Red and orange-brown, very compact gravels with iron pan patches. Similar to (002)	Natural Subsoil
004		Deposit	Mid brown and grey, moderately compact stony clay. Very few inclusions. Thickness and extent vary. Approximately 110mm thick, located on base of slopes under topsoil (001) and above Natural Subsoils.	Hillwash, natural subsoil.
005	Trench 20, 21 and Trench 25b	Deposit	Mid brown and grey, moderately compact stony clay. No inclusions.	Natural Subsoil.
006	Trench 9	Deposit	Grey, compact stony clay. No inclusions.	Natural Subsoil.
007		Deposit	Linear depressions in ground surface, generally running NW-SE across the evaluation area though some vary: curving around hillocks and rises in topography. They appear as silty deposits on the surface of natural subsoil, mainly limited to a cut through peaty topsoil (001). Approximately 200mm wide x 200-300mm deep.	Shallow Drainage ditches of modern provenance.
008	Trench 4	Deposit	A pair of shallow linear features running NW-SE meandering across N-S alignment of Trench 4 at its southern end. Each approx. 1m wide x 120mm deep x 6m long (exposed). Base of linears composed of compact manganese and iron pan and gravels. Fill of linears undulated over hard base and comprised very mixed grey silt with	Inconsistency suggests natural provenance, possibly a previous incarnation of the source of the burn on the lower slopes.

Context No.	Area/ Trench	Type	Description	Interpretation
			laminations of peat from topsoil (001) signifying fast water carriage.	
009	Trench 3	Cut and Fill	Very compact stony silt depression extending from western section of Trench 3. The deposit required heavy mattocking: heavily rooted with compacted stone with iron pan lining edges to the natural subsoil (003) with stones from natural subsoil extending into deposit. Approx. 1m wide x 100mm deep, irregular in plan view, roughly semi-circular, irregular sides. No inclusions.	Natural provenance, sign of bioturbation. Likely a tree or gorse plant. At some point accumulation of water has produced thick compacted silty deposit.

### Photographic Register

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
001	-	-	-	-	58	Trench 16 ( to trench 17 top end)	NW	18/03/13
002	-	-	-	-	59	Trench 17 trench 16 top to trench 17 bottom)	NNE	18/03/13
003	-	-	-	-	60	(004) Hillwash working shot	SE	18/03/13
004	-	-	-	-	61	Trench 18 Post excavation	SSE	18/03/13
005	-	-	-	-	62	Trench 19 Post excavation	NW	18/03/13
006	-	-	-	-	63	Trench 21 Post excavation	E	18/03/13
007	-	-	-	-	64	Trench 20 Post excavation	SW	18/03/13
008	-	-	-	-	65	Trench 25b (test) General Shot	W	18/03/13
009	-	-	-	-	66	Trench 25b Oblique shot of section	NW	18/03/13
010	-	-	-	-	67	Trench 25 Post excavation	E	18/03/13
011	-	-	-	-	68	Trench 24 Post excavation	NW	18/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
012	-	-	-	-	69	Trench 26 Post excavation	N	18/03/13
013	-	-	-	-	70	Trench 27 South end from ditch	N	18/03/13
014	-	-	-	-	71	Trench 28 (extended)	NNE	19/03/13
015	-	-	-	-	72	North Side of burn from Trench 29	SE	19/03/13
016	-	-	-	-	73	North Side of burn / ditch - Trench 29 Post Excavation	N	19/03/13
017	-	-	-	-	74	Trench 31 Post Excavation	S	19/03/13
018	-	-	-	-	75	Trench 30 Post Excavation	N	19/03/13
019	-	-	-	-	76	General shot toward Trench 29	NW	19/03/13
020	-	-	-	-	77	Trench 32 Post excavation	SE	19/03/13
021	-	-	-	-	78	Trench 33 Post Excavation	NW	19/03/13
022	-	-	-	-	79	Trench 34 Post Excavation	E	19/03/13
023	-	-	-	-	80	Trench 35 Post Excavation	N	19/03/13
024	-	-	-	-	81	Trench 36 Post Excavation	N	19/03/13
025	-	-	-	-	82	Trench 37 Post Excavation	SE	19/03/13
026	-	-	-	-	83	Trench 39 Post Excavation	S	20/03/13
027	-	-	-	-	84	Trench 40 Post Excavation	N	20/03/13
028	-	-	-	-	85	Trench 41 Post Excavation	N	20/03/13
029	-	-	-	-	86	Trench 42 Post Excavation`	NW	20/03/13
030	-	-	-	-	87	Trench 45 Post Excavation	WNW	20/03/13
031	-	-	-	-	88	Trench 43 Post Excavation	NNE	20/03/13
032	-	-	-	-	89	Trench 44 Post Excavation	S	20/03/13



Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
033	-	-	-	-	90	Trench 1 Post Excavation	N	20/03/13
034	-	-	-	-	91	Trench 2 Post Excavation	NW	20/03/13
035	-	-	-	-	92	Trench 3 Post Excavation	NW	20/03/13
036	-	-	-	-	93	Trench 4 Post Excavation	NNE	20/03/13
037	-	-	-	-	94	Trench 5 Post Excavation	SW	20/03/13
038	-	-	-	-	95	Trench 6 Post Excavation	SE	20/03/13
039	-	-	-	-	96	Trench 7 Post Excavation	NE	20/03/13
040	-	-	-	-	97	Trench 8 Post Excavation	NE	20/03/13
041	-	-	-	-	98	Trench 9 Post Excavation	SW	20/03/13
042	-	-	-	-	99	Trench 10 Post Excavation	NW	21/03/13
043	-	-	-	-	100	Trench 11 Post Excavation	N	21/03/13
044	-	-	-	-	101	Trench 12 Post Excavation	S	21/03/13
045	-	-	-	-	102	Trench 13 Post Excavation	E	21/03/13
046	-	-	-	-	103	Trench 14 Post Excavation	S	21/03/13
047	-	-	-	-	104	Trench 15 Post Excavation	N	21/03/13
048	-	-	-	-	105	Trench 26 Post Excavation	S	21/03/13
049	-	-	-	-	106	Trench 27 Post Excavation (Waterlogged)	S	21/03/13
050	-	-	-	-	107	Trench 28 Post Excavation	ESE	21/03/13
051	-	-	-	-	108	Trench 70 Post Excavation	S	22/03/13
052	-	-	-	-	109	Trench 71 Post Excavation	W	22/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
053	-	-	-	-	110	Trench 72 Post Excavation	N	22/03/13
054	-	-	-	-	111	Trench 73 Post Excavation	NW	22/03/13
055	-	-	-	-	112	Trench 29 Post Excavation	S	22/03/13
056	-	-	-	-	113	Trench 51 Post Excavation	NW	22/03/13
057	-	-	-	-	114	Trench 30 Post Excavation	S	22/03/13
058	-	-	-	-	115	Trench 31 Post Excavation (realigned)	S	22/03/13
059	-	-	-	-	116	Trench 32 Post Excavation	N	22/03/13
060	-	-	-	-	117	Trench 33 Post Excavation	N	22/03/13
061	-	-	-	-	118	Trench 34 Post Excavation	SE	22/03/13
062	-	-	-	-	119	Trench 35 Post Excavation	N	22/03/13
063	-	-	-	-	120	Trench 36 Post Excavation	N	22/03/13
064	-	-	-	-	121	Trench 37 Post Excavation	SE	22/03/13
065	-	-	-	-	122	Trench 38 Post Excavation	NNE	22/03/13
066	-	-	-	-	123	Trench 39 Post Excavation	NNE	22/03/13
067	-	-	-	-	124	Trench 42 Post Excavation	NNE	22/03/13
068	-	-	-	-	125	Trench 40 Post Excavation	NNE	22/03/13
069	-	-	-	-	126	Trench 41 Post Excavation	NNE	22/03/13
070	-	-	-	-	127	Trench 43 Post Excavation	NNE	22/03/13
071	-	-	-	-	128	Trench 45 Post Excavation	NW	22/03/13
072	-	-	-	-	129	Trench 44 Post Excavation	N	22/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
073	-	-	-	-	130	Trench 46 Post Excavation	N	22/03/13
074	-	-	-	-	131	Trench 48 Post Excavation	NW	22/03/13
075	-	-	-	-	132	Trench 47 Post Excavation	NNE	22/03/13
076	-	-	-	-	133	Trench 49 Post Excavation	N	22/03/13
077	-	-	-	-	134	Trench 50 Post Excavation	NNE	22/03/13
078	-	-	-	-	135	Trench 52 Post Excavation	N	22/03/13
079	-	-	-	-	136	Trench 53 Post Excavation	NNE	22/03/13
080	-	-	-	-	137	Trench 54 Post Excavation	NW	22/03/13
081	-	-	-	-	138	Trench 55 Post Excavation	NNE	23/03/13
082	-	-	-	-	139	Trench 59 Post Excavation	ENE	23/03/13
083	-	-	-	-	140	Trench 58 Post Excavation	N	23/03/13
084	-	-	-	-	141	Trench 60 Post Excavation	N	23/03/13
085	-	-	-	-	142	Trench 62 Post Excavation	SE	23/03/13
086	-	-	-	-	143	Trench 61 Post Excavation	NNW	23/03/13
087	-	-	-	-	144	Trench 63 Post Excavation	NSW	23/03/13
088	-	-	-	-	145	Trench 64 Post Excavation	NNE	23/03/13
089	-	-	-	-	146	Trench 65 Post Excavation	NNE	23/03/13
090	-	-	-	-	147	Trench 66 Post Excavation	NNE	23/03/13
091	-	-	-	-	148	Trench 67 Post Excavation	SW	23/03/13
092	-	-	-	-	149	Trench 68 Post Excavation	NNE	23/03/13
093	-	-	-	-	150	Trench 69 Post Excavation	NNE	23/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
094	-	-	-	-	151	Trench 74 Post Excavation	NNE	23/03/13
095	-	-	-	-	152	Trench 75 Post Excavation	NW	23/03/13
096	-	-	-	-	153	Trench 76 Post Excavation	NW	23/03/13
097	-	-	-	-	154	Trench 77 Post Excavation	NNE	23/03/13
098	-	-	-	-	155	Trench 78 Post Excavation	NNE	23/03/13
099	-	-	-	-	156	Trench 79 Post Excavation	NW	23/03/13
100	-	-	-	-	157	Trench 80 Post Excavation	NW	23/03/13
101	-	-	-	-	158	Trench 30 Post Excavation	NNE	25/03/13
102	-	-	-	-	159	Trench 29 Post Excavation	NNE	25/03/13
103	-	-	-	-	160	Trench 31 Post Excavation	S	25/03/13
104	-	-	-	-	161	Trench 32 Post Excavation	NNE	25/03/13
105	-	-	-	-	162	Trench 33 Post Excavation	S	25/03/13
106	-	-	-	-	163	Trench 34 Post Excavation	SE	25/03/13
107	-	-	-	-	164	Trench 35 Post Excavation	N	25/03/13
108	-	-	-	-	165	Trench 36 Post Excavation	N	25/03/13
109	-	-	-	-	166	Trench 37 Post Excavation	SE	25/03/13
110	-	-	-	-	167	Trench 39 Post Excavation	N	25/03/13
111	-	-	-	-	168	Trench 38 Post Excavation	S	25/03/13
112	-	-	-	-	169	Trench 40 Post Excavation	N	25/03/13
113	-	-	-	-	170	Trench 41 Post Excavation	SSW	25/03/13
114	-	-	-	-	171	View over site from western slopes	WNW	25/03/13
115	-	-	-	-	172	View over site from western slopes	W	25/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
116	-	-	-	-	173	Trench 43 Post Excavation	N	25/03/13
117	-	-	-	-	174	Trench 44 Post Excavation	S	25/03/13
118	-	-	-	-	175	Trench 45 Post Excavation	NW	25/03/13
119	-	-	-	-	176	Trench 46 Post Excavation	N	26/03/13
120	-	-	-	-	177	Trench 47 Post Excavation	S	26/03/13
121	-	-	-	-	178	Trench 48 Post Excavation	NW	26/03/13
122	-	-	-	-	179	Trench 49 Post Excavation	NNW	26/03/13
123	-	-	-	-	180	Trench 50 Post Excavation	S	26/03/13
124	-	-	-	-	181	Trench 51 Post Excavation	NW	26/03/13
125	-	-	-	-	182	Trench 52 Post Excavation	N	26/03/13
126	-	-	-	-	183	(007) Drainage Ditches (Tr. 52)	SW	26/03/13
127	-	-	-	-	184	Trench 53 Post Excavation	NW	26/03/13
128	-	-	-	-	185	Trench 55 Post Excavation	S	26/03/13
129	-	-	-	-	186	Test Hole at Trench 55	W	26/03/13
130	-	-	-	-	187	Trench 59 Post Excavation	E	26/03/13
131	-	-	-	-	188	Trench 58 Post Excavation	N	26/03/13
132	-	-	-	-	189	Trench 61 Post Excavation	N	26/03/13
133	-	-	-	-	190	Trench 61 Post Excavation – (007) at Oblique, West facing section	W	26/03/13
134	-	-	-	-	191	Linears in Trench 4 - (008) Natural water channels	SSE	26/03/13
135	-	-	-	-	192	Linears in Trench 4 - (008) Natural water channels	SE	26/03/13
136	-	-	-	-	193	Linears in Trench 4 - (008) Natural water channels	NW	26/03/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
137	-	-	-	-	194	Linear in Trench 4 with Slot through - (008)	SE	27/03/13
138	-	-	-	-	195	(008) Close up General View	SE	27/03/13
139	-	-	-	-	196	(008) SE Facing section of slot – Trench 4	SE	28/03/13
140	-	-	-	-	197	General shots of evaluation area from western slope	W	28/03/13
141	-	-	-	-	198	General shots of evaluation area from western slope	WSW	28/03/13
142	-	-	-	-	199	General shots of evaluation area from western slope	W	28/03/13
143	-	-	-	-	200	General shots of evaluation area from western slope	WSW	28/03/13
144	-	-	-	-	201	General shots of evaluation area from western slope	WSW	28/03/13
145	-	-	-	-	202	General shots of evaluation area from western slope	WSW	28/03/13
146	-	-	-	-	203	(009) in Trench 3, East Facing Section	E	28/03/13
147	-	-	-	-	204	(009) in Trench 3, East Facing Section	E	28/03/13
148	-	-	-	-	205	(009) in Trench 3, South Facing Section	S	28/03/13
149	-	-	-	-	206	Close up of (009), East Facing Section	E	28/03/13

### Drawing Register

Drawing No.	Sheet No.	Area/Trench	Drawing Type	Scale	Description	Drawer	Date
1	002	T1	Plan	1:100	Plan of Trench 1	KS/DG	19/03/13
2	002	T2	Plan	1:100	Plan of Trench 2	KS/DG	19/03/13
3	002	T3	Plan	1:100	Plan of Trench 3	KS/DG	19/03/13
4	002	T4	Plan	1:100	Plan of Trench 4	KS/DG	19/03/13
5	002	T5	Plan	1:100	Plan of Trench 5	KS/DG	19/03/13

Drawing No.	Sheet No.	Area/ Trench	Drawing Type	Scale	Description	Drawer	Date
6	002	T6	Plan	1:100	Plan of Trench 6	KS/DG	19/03/13
7	002	T7	Plan	1:100	Plan of Trench 7	KS/DG	19/03/13
8	002	T8	Plan	1:100	Plan of Trench 8	KS/DG	19/03/13
9	002	T9	Plan	1:100	Plan of Trench 9	KS/DG	19/03/13
10	002	T10	Plan	1:100	Plan of Trench 10	KS/DG	20/03/13
11	002	T11	Plan	1:100	Plan of Trench 11	KS/DG	20/03/13
12	002	T12	Plan	1:100	Plan of Trench 12	KS/DG	20/03/13
13	002	T13	Plan	1:100	Plan of Trench 13	KS/DG	20/03/13
14	002	T14	Plan	1:100	Plan of Trench 14	KS/DG	20/03/13
15	003	T15	Plan	1:100	Plan of Trench 15	KS/DG	20/03/13
16	001	T16	Plan	1:100	Plan of Trench 16 (16a -17a)	KS/DG	18/03/13
17	001	T17	Plan	1:100	Plan of Trench 17 (16b – 17b)	KS/DG	18/03/13
18	001	T18	Plan	1:100	Plan of Trench 18	KS/DG	18/03/13
19	001	T19	Plan	1:100	Plan of Trench 19	KS/DG	18/03/13
20	001	T20	Plan	1:100	Plan of Trench 20	KS/DG	18/03/13
21	001	T21	Plan	1:100	Plan of Trench 21	KS/DG	18/03/13
22	N/A	N/A	N/A	N/A	Omitted due to Otter Run	N/A	N/A
23	N/A	N/A	N/A	N/A	Omitted due to Otter Run	N/A	N/A
24	003	T24	Plan	1:100	Plan of Trench 24	KS/DG	20/03/13
25	003	T25	Plan	1:100	Plan of Trench 25	KS/DG	20/03/13
26	003	T26	Plan	1:100	Plan of Trench 26	KS/DG	20/03/13
27	003	T27	Plan	1:100	Plan of Trench 27	KS/DG	20/03/13
28	003	T28	Plan	1:100	Plan of Trench 28	KS/DG	20/03/13

Drawing No.	Sheet No.	Area/Trench	Drawing Type	Scale	Description	Drawer	Date
29	003	T29	Plan	1:100	Plan of Trench 29	KS/DG	25/03/13
30	003	T30	Plan	1:100	Plan of Trench 30	KS/DG	25/03/13
31	003	T31	Plan	1:100	Plan of Trench 31	KS/DG	25/03/13
32	003	T32	Plan	1:100	Plan of Trench 32	KS/DG	25/03/13
33	004	T33	Plan	1:100	Plan of Trench 33	KS/DG	25/03/13
34	004	T34	Plan	1:100	Plan of Trench 34	KS/DG	25/03/13
35	004	T35	Plan	1:100	Plan of Trench 35	KS/DG	25/03/13
36	004	T36	Plan	1:100	Plan of Trench 36	KS/DG	25/03/13
37	004	T37	Plan	1:100	Plan of Trench 37	KS/DG	25/03/13
38	004	T38	Plan	1:100	Plan of Trench 38	KS/DG	25/03/13
39	004	T39	Plan	1:100	Plan of Trench 39	KS/DG	25/03/13
40	004	T40	Plan	1:100	Plan of Trench 40	KS/DG	25/03/13
41	004	T41	Plan	1:100	Plan of Trench 41	KS/DG	26/03/13
42	004	T42	Plan	1:100	Plan of Trench 42	KS/DG	26/03/13
43	004	T43	Plan	1:100	Plan of Trench 43	KS/DG	26/03/13
44	004	T44	Plan	1:100	Plan of Trench 44	KS/DG	26/03/13
45	005	T45	Plan	1:100	Plan of Trench 45	KS/DG	26/03/13
46	005	T46	Plan	1:100	Plan of Trench 46	KS/DG	26/03/13
47	005	T47	Plan	1:100	Plan of Trench 47	KS/DG	26/03/13
48	005	T48	Plan	1:100	Plan of Trench 48	KS/DG	26/03/13
49	005	T49	Plan	1:100	Plan of Trench 49	KS/DG	26/03/13
50	005	T50	Plan	1:100	Plan of Trench 50	KS/DG	26/03/13
51	006	T51	Plan	1:100	Plan of Trench 51	KS/DG	26/03/13



Drawing No.	Sheet No.	Area/Trench	Drawing Type	Scale	Description	Drawer	Date
52	006	T52	Plan	1:100	Plan of Trench 52	KS/DG	26/03/13
53	006	T53	Plan	1:100	Plan of Trench 53	KS/DG	26/03/13
54	006	T54	Plan	1:100	Plan of Trench 54	KS/DG	26/03/13
55	006	T55	Plan	1:100	Plan of Trench 55	KS/DG	26/03/13
56	N/A	N/A	N/A	N/A	Omitted due to Otter Run	N/A	N/A
57	N/A	N/A	N/A	N/A	Omitted due to Otter Run	N/A	N/A
58	006	T58	Plan	1:100	Plan of Trench 58	KS/DG	26/03/13
59	006	T59	Plan	1:100	Plan of Trench 59	KS/DG	26/03/13
60	006	T60	Plan	1:100	Plan of Trench 60	KS/DG	26/03/13
61	006	T61	Plan	1:100	Plan of Trench 61	KS/DG	26/03/13
62	006	T62	Plan	1:100	Plan of Trench 62	KS/DG	27/03/13
63	006	T63	Plan	1:100	Plan of Trench 63	KS/DG	26/03/13
64	007	T64	Plan	1:100	Plan of Trench 64	KS/DG	27/03/13
65	008	T65	Plan	1:100	Plan of Trench 65	KS/DG	27/03/13
66	008	T66	Plan	1:100	Plan of Trench 66	KS/DG	27/03/13
67	008	T67	Plan	1:100	Plan of Trench 67	KS/DG	27/03/13
68	008	T68	Plan	1:100	Plan of Trench 68	KS/DG	27/03/13
69	008	T69	Plan	1:100	Plan of Trench 69	KS/DG	27/03/13
70	008	T70	Plan	1:100	Plan of Trench 70	KS/DG	27/03/13
71	008	T71	Plan	1:100	Plan of Trench 71	KS/DG	27/03/13
72	008	T72	Plan	1:100	Plan of Trench 72	KS/DG	27/03/13
73	007	T73	Plan	1:100	Plan of Trench 73	KS/DG	27/03/13
74	007	T74	Plan	1:100	Plan of Trench 74	KS/DG	27/03/13

---

<b>Drawing No.</b>	<b>Sheet No.</b>	<b>Area/ Trench</b>	<b>Drawing Type</b>	<b>Scale</b>	<b>Description</b>	<b>Drawer</b>	<b>Date</b>
75	007	T75	Plan	1:100	Plan of Trench 75	KS/DG	27/03/13
76	007	T76	Plan	1:100	Plan of Trench 76	KS/DG	27/03/13
77	007	T77	Plan	1:100	Plan of Trench 77	KS/DG	27/03/13
78	007	T78	Plan	1:100	Plan of Trench 78	KS/DG	27/03/13
79	007	T79	Plan	1:100	Plan of Trench 79	KS/DG	27/03/13
80	007	T80	Plan	1:100	Plan of Trench 80	KS/DG	27/03/13

## Appendix 3: Discovery & Excavation in Scotland

<b>LOCAL AUTHORITY:</b>	South Lanarkshire
<b>PROJECT TITLE/SITE NAME:</b>	Thirstone Quarry
<b>PROJECT CODE:</b>	RA11023
<b>PARISH:</b>	Crawfordjohn
<b>NAME OF CONTRIBUTOR:</b>	Douglas Gordon
<b>NAME OF ORGANISATION:</b>	Rathmell Archaeology Limited
<b>TYPE(S) OF PROJECT:</b>	Evaluation
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	None
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 8 or 10 figures)</b>	NS 89463 26677
<b>START DATE (this season)</b>	14 <sup>th</sup> March 2013
<b>END DATE (this season)</b>	28 <sup>th</sup> March 2013
<b>PREVIOUS WORK (incl. DES ref.)</b>	<p>GUARD (DES 2007 volume 8 pp.186)</p> <p>Thirstone Quarry, South Lanarkshire: Archaeological Mitigation; <i>Data Structure Report</i>, Klemen P &amp; Gordon D Jan 2012 (not yet published in DES)</p> <p>Thirstone Quarry, South Lanarkshire: Archaeological Mitigation; <i>Data Structure Report</i>, Gorman, D &amp; Gordon D Jan 2012 (not yet published in DES)</p>
<b>MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)</b>	<p>A programme of archaeological works was required by Johnson, Poole &amp; Bloomer Ltd on behalf of Loudounhill Contracts Ltd in respect to the proposed extension and ongoing extraction of sand &amp; gravel at Thirstone Quarry, South Lanarkshire, planning consent (CL/12/0293). The archaeological works were designed to mitigate the impact on the archaeological remains within the development area.</p> <p>The archaeological investigative works consisted of an intrusive evaluation which was designed to assess a 5% sample of the proposed development area. Only modern or natural features were uncovered in the course of the works.</p>
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	Loudounhill Contracts Ltd
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
<b>EMAIL ADDRESS:</b>	contact@rathmell-arch.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	Report to West of Scotland Archaeology Service and archive to RCAHMS Collections.

## Contact Details

37. Rathmell Archaeology can be contacted at our Registered Office or through the web:
- |                           |  |
|---------------------------|--|
| Rathmell Archaeology Ltd  | <a href="http://www.rathmell-arch.co.uk">www.rathmell-arch.co.uk</a>             |
| Unit 8 Ashgrove Workshops |  |
| Kilwinning                | t.: 01294 542848   |
| Ayrshire                  | f.: 01294 542849   |
| KA13 6PU                  | e.: <a href="mailto:contact@rathmell-arch.co.uk">contact@rathmell-arch.co.uk</a> |
38. The West of Scotland Archaeology Service can be contacted at their office or through the web:
- |                                      |  |
|--------------------------------------|--|
| West of Scotland Archaeology Service | <a href="http://www.wosas.org.uk">www.wosas.org.uk</a>                                 |
| Charing Cross Complex                |  |
| 20 India Street                      | t.: 0141 287 8332/3  |
| Glasgow                              | f.: 0141 287 9259  |
| G2 4PF                               | e.: <a href="mailto:enquiries@wosas.glasgow.gov.uk">enquiries@wosas.glasgow.gov.uk</a> |

End of Document