Midmill, Kintore Evaluation Data Structure Report

20857 20th February 2008





Midmill, Kintore Evaluation Data Structure Report

On Behalf of: William Lippe Architects Ltd

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Inverurie Aberdeenshire AB51 3UB

National Grid Reference (NGR): NJ 793 152

AOC Project No: 20857

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Date of Fieldwork: 12th-13th February 2008

Date of Report: 20th February 2008

This document has been prepared in accordance with AOC standard operating procedures.

Author: Date:

Approved by: Date:

Draft/Final Report Stage: Date:

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Abstract

This report represents the results of an archaeological evaluation undertaken by AOC Archaeology Group at Midmill, Kintore, Aberdeenshire (centred NGR: NJ 793 152). The work was commissioned by William Lippe Architects Ltd in advance of the redevelopment of an area of ground. The archaeological works were designed to satisfy the requirements of the local planning authority, as advised by Aberdeenshire Council Archaeology Service (ACAS), and are in accordance with the principles inherent in NPPG 5 (SOEnd 1994) and PAN 42 (SOEnd 1994a).

The objective of the work was to evaluate the archaeological potential of the development area. The work was carried out during February 2008 and was conducted according to the terms of a Written Scheme of Investigation (AOC 2008) which was agreed by Mrs Moira Greig of ACAS, and approved by the planning authority. The evaluation consisted of twenty-one trenches totalling 1820 m² and thereby comprising a 7% sample of the development area.

The evaluation revealed no features or artefacts of archaeological significance. No further archaeological works are recommended.

1 INTRODUCTION

1.1 Background

1.1.1 Planning consent is being sought by William Lippe Architects Ltd for a development at Midmill, Kintore, Aberdeenshire. AOC Archaeology Group was commissioned by William Lippe Architects Ltd to undertake an archaeological evaluation at the site. The evaluation works were designed to satisfy the requirements of the local planning authority, as advised by ACAS. The Written Scheme of Investigation (AOC 2008) acknowledged the presence of a scheduled ancient monument, Midmill Cairn (NMRS No. NJ71NE 31), in the south-east of the development area. No evaluation trenching was undertaken in this area.

1.2 Location

1.2.1 The proposed development area is a greenfield site located to the south of Kintore immediately east of the old A96 (NGR: NJ 793 152). The application area, amounting to some 2.6 ha is rectangular in plan. The site is bounded by agricultural land to the north and east, an industrial estate to the south and the old A96 to the west. The site has long been under agricultural use and appears to have undergone little previous development, apart from the construction of a new access road in the north of the site. The site is characterised by a slight ridge in the centre of the area which slopes gently to the south and north-west and more steeply to the north-east towards the Tuach Burn; these low-lying areas were damp and marshy. Midmill Cairn sits in the south-eastern corner of the development site. The subsoil visible during the evaluation comprised light orange silty sand and light yellow grey sand. The location and extent of the site is shown in Figure 1.

1.3 Archaeological background

- 1.3.1 Midmill Cairn (NMRS No. NJ71NE 31) represents the remains of a long barrow situated on the crest of a low rise in an area of relatively open ground. The surviving portion of the barrow stands 3.5 m high and measures at least 27 m in length, tapering in width from 20 m at the ESE end to 16 m on the WNW. A cleft cuts obliquely across the axis of the barrow at the ESE end, its line followed by an old field boundary. Beyond this field boundary to the east, the barrow has been subjected to significant quarrying though it may have extended another 34 m to the ESE, with its axis swinging a little further to the south to assume a NW and SE alignment. A small quarry has been dug into the WNW end of the barrow.
- 1.3.2 In recent years archaeological watching briefs (NMRS No. NJ 791 151) in the immediate environs of Midmill Cairn failed in identifying either significant features or artefacts. However in 2001 a few discrete features containing Neolithic pottery were found to the south of the development area (NMRS No. NJ 7952 1514).

2 OBJECTIVES

- 2.1 The objectives of the archaeological evaluation were:
 - *i)* to determine and assess the character, extent, condition, quality, date and significance of any buried archaeological remains within the proposed development area;
 - *ii)* to advise and implement an appropriate form of mitigation, such as excavation, post-excavation analyses and publication, given the infeasibility of preserving the archaeological material *in situ*, should significant archaeological remains be encountered.

3 METHODOLOGY

- 3.1 Twenty-one trenches (Figure 1) totalled 1820 m², a 7% sample of the site.
- 3.2 The trial trenching aimed to establish the extent, condition, character, quality, significance and date of any archaeological features present. The trenches were of varying lengths and set on varying orientations (Figure 1). A number of the trenches lengths and locations were adjusted slightly from those shown in the WSI, reflecting the presence of a new access road previously constructed in the north of the site. The fieldwork was undertaken with a field team of two archaeologists. Weather conditions during the evaluation were dry and fine with good archaeological visibility.
- 3.3 Stripping of the overburden was by means of a 360° excavator equipped with a toothless ditching bucket approximately 2.00 m wide. Excavation was undertaken in shallow units/spits until the first significant archaeological horizon or natural subsoil was reached. All machine excavation was supervised by an experienced field archaeologist.
- 3.4 All trial trenching was undertaken according to AOC Archaeology Group's standard operating procedures. Stratigraphy was recorded in all trenches even where no deposits of archaeological significance were discovered. The trenches were backfilled on completion of excavation.

4 RESULTS

- 4.1 The archaeological evaluation was undertaken between 12th and 13th February 2008. Twenty-one trenches, approximately 2.00 m wide were machine excavated (Figure 1).
- 4.2 The following should be read in conjunction with the data presented in Appendices 1-3 and Figure 1.
- 4.3 The excavation of all the trenches revealed topsoil comprising soft dark brown sandy silt with occasional small sub-rounded stones and occasional fragments of modern white ceramic. Four of the trenches (Trenches 1, 7, 8 and 9) contained areas of modern backfill (consisting of very compacted gravel, broken concrete, broken service pipes etc) as well as topsoil. Underlying the topsoil or modern backfill, natural subsoil in the south and west of the area consisted of soft light orange silty sand with occasional small sub-rounded stones and very occasional larger (0.40 m by 0.30 m by 0.15 m) angular stones. Elsewhere in the area the natural subsoil comprised very soft light yellow grey sand with very occasional small lenses of gravel.

- 4.4 In two of the Trenches, 3 and 18, field drains were observed cutting the natural subsoil. The lowlying and very damp nature of the ground in these areas probably accounts for the presence of these drains.
- 4.5 Occasional fragments of modern white ceramic and modern glass were observed scattered throughout the topsoil in all of the trenches.
- 4.6 No significant archaeological features or finds were encountered on this site.

CONCLUSION 5

5.1 No features or artefacts of archaeological significance were identified. No further works are recommended.

6 **BIBLIOGRAPHIC REFERENCES**

AOC 2008 Midmill, Kintore: Written Scheme of Investigation. AOC unpublished client document.

SOEnd 1994 National Planning Policy Guideline 5: Archaeology and Planning. The Scottish Office Environment Department.

SOEnd 1994a Planning Advice Note 42. Archaeology - The Planning Process and Scheduled Ancient Monument Procedures. The Scottish Office Environment Department.

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Section 2: Appendices



APPENDIX 1

Trench Descriptions

Trench 1

Dimensions70 m by 2 mTotal Area140 m²OrientationN/SDepth of Topsoil0.40 mDepth of Excavation0.40 m

Significant Features No archaeology; between 7 and 13 m from north end topsoil was replaced by

modern backfill.

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Occasional fragments of modern white ceramic through topsoil, one very small

fragment of clay pipe stem.

Trench 2

Dimensions75 m by 2 mTotal Area150 m²OrientationE/WDepth of Topsoil0.50 mDepth of Excavation0.50 m

Significant Features No archaeology

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Very occasional fragments of modern white ceramic through topsoil.

Trench 3

Dimensions25 m by 2 mTotal Area50 m²OrientationNW/SEDepth of Topsoil0.50 mDepth of Excavation0.50 m

Significant Features Between 10 m and 16 m from SE end a ceramic field drain was observed.

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Occasional fragments of modern white ceramic throughout topsoil.

Trench 4

Dimensions48 m by 2 mTotal Area96 m²OrientationNW/SEDepth of Topsoil0.40 mDepth of Excavation0.40 m

Significant Features No archaeology

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Very occasional fragments of modern white ceramic throughout topsoil.

Trench 5

Dimensions50 m by 2 mTotal Area100 m²OrientationNE/SWDepth of Topsoil0.30 mDepth of Excavation0.30 m

Significant Features No archaeology

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Very occasional fragments of modern white ceramic through topsoil.

Trench 6

Dimensions50 m by 2 mTotal Area100 m²OrientationE/WDepth of Topsoil0.30 mDepth of Excavation0.30 m

Significant Features No archaeology

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Occasional fragments of modern white ceramic throughout topsoil.

Trench 7

Dimensions 25 m by 2 m

Total Area50 m²OrientationSW/NEDepth of Topsoil0.30 mDepth of Excavation0.30 m

Significant Features No archaeology; last 8-9 m towards NE end topsoil replaced by modern backfill.

Subsoil Soft light orange silty sand with occasional small rounded stones and very

occasional larger angular stones (0.40 m by 0.30 m by 0.15 m).

Finds Occasional fragments of modern white ceramic throughout topsoil.

Trench 8

Dimensions50 m by 2 mTotal Area100 m²OrientationSE/NW

Depth of Topsoil 0.40 m topsoil with 0.60 m modern backfill in places

Depth of Excavation 0.60 m

Significant Features No archaeology; between 5 m and 25 m from SE end modern backfill replaced

topsoil to a depth of up to 0.60 m.

Subsoil Very soft light yellow grey sand with occasional small lenses of gravel.

Finds Occasional fragments of modern white ceramic through topsoil and plastic, broken

service pipe etc in backfill.

Trench 9

Dimensions 48 m by 2 m

Total Area 96 m²
Orientation NW/SE

Depth of Topsoil 0.25-0.40 m topsoil with 0.80 m modern backfill in places

Depth of Excavation 0.80 m

MIDMILL, KINTORE EVALUATION: DATA STRUCTURE REPORT

No archaeology; between 16 m and 30.5 m from SE end modern backfill replaced Significant Features

topsoil to a depth of up to 0.80 m.

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel.

Finds Occasional fragments of modern white ceramic through topsoil and plastic, broken

service pipe etc in backfill.

Trench 10

Dimensions 50 m by 2 m Total Area 100 m² NE/SW Orientation Depth of Topsoil 0.40 m Depth of Excavation 0.40 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. Finds Occasional fragments of modern white ceramic and plastic throughout topsoil.

Trench 11

Dimensions 25 m by 2 m 50 m² Total Area N/S Orientation Depth of Topsoil 0.40 m

Depth of Excavation 0.40 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel.

Finds Rare fragments of modern white ceramic throughout topsoil.

Trench 12

Dimensions 50 m by 2 m Total Area 100 m² Orientation NW/SE Depth of Topsoil 0.40 m Depth of Excavation 0.40 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel.

Finds None.

Trench 13

Dimensions 50 m by 2 m 100 m² Total Area Orientation NW/SE Depth of Topsoil 0.40-0.60 m Depth of Excavation 0.60 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel.

Finds None.

Trench 14

Dimensions 50 m by 2 m Total Area 100 m² Orientation E/W Depth of Topsoil 0.43 m Depth of Excavation 0.43 m

MIDMILL, KINTORE EVALUATION: DATA STRUCTURE REPORT

Significant Features No archaeology

Very soft light yellow grey sand with very occasional small lenses of gravel. Subsoil

Finds Occasional fragments of modern white ceramic through topsoil.

Trench 15

Dimensions 25 m by 2 m Total Area 50 m² NNW/SSE Orientation Depth of Topsoil 0.45 m Depth of Excavation 0.45 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. Finds Very occasional fragments of modern white ceramic throughout topsoil.

Trench 16

Dimensions 50 m by 2 m Total Area 100 m² SE/NW Orientation Depth of Topsoil 0.57 m Depth of Excavation 0.57 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. **Finds** Very occasional fragments of modern white ceramic throughout topsoil.

Trench 17

Dimensions 50 m by 2 m Total Area 100 m² Orientation SW/NE Depth of Topsoil 0.31-0.51 m Depth of Excavation 0.51 m

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel.

Finds Occasional fragments of modern white ceramic throughout topsoil.

Trench 18

Dimensions 25 m by 2 m 50 m² Total Area Orientation SE/NW Depth of Topsoil 0.40-0.50 m Depth of Excavation 0.50 m

Field drain observed at approximately 6 m from SE end, aligned N/S towards Tuach Significant Features

Burn.

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. **Finds** Very occasional fragments of modern white ceramic throughout topsoil.

Trench 19

Dimensions 50 m by 2 m Total Area 100 m² Orientation NNE/SSW Depth of Topsoil 0.40-0.80 m Depth of Excavation 0.80 m

Significant Features No archaeology

MIDMILL, KINTORE EVALUATION: DATA STRUCTURE REPORT

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. Finds Very occasional fragments of modern white ceramic throughout topsoil.

Trench 20

25 m by 2 m **Dimensions**

Total Area 50 m² Orientation SE/NW Depth of Topsoil 0.37 m Depth of Excavation 0.37 m

Significant Features No archaeology

Very soft light yellow grey sand with very occasional small lenses of gravel. Subsoil

Finds None.

Trench 21

Dimensions 19 m by 2 m

38 m² Total Area Orientation ESE/WNW Depth of Topsoil 0.30 m Depth of Excavation $0.30 \, m$

Significant Features No archaeology

Subsoil Very soft light yellow grey sand with very occasional small lenses of gravel. Finds Very occasional fragments of modern white ceramic throughout topsoil.

APPENDIX 2

Photographic Record

Black & White Print Film 1

| Frame | Area | Description | From |
|-------|-------|--|------|
| 1-2 | | Registration shots | |
| 3-4 | | General site shot pre-excavation (Cairn in background) | NE |
| 5-6 | TR 1 | General shot Trench 1 | N |
| 7-8 | TR 1 | East facing section of trench 1 | E |
| 9-10 | TR 2 | General shot Trench 2 | E |
| 11-12 | TR 3 | General shot Trench 3 | SE |
| 13-14 | TR 4 | General shot Trench 4 | NW |
| 15-16 | TR 5 | General shot Trench 5 | NE |
| 17-18 | TR 6 | General shot Trench 6 | E |
| 19-20 | TR 7 | General shot Trench 7 | SW |
| 21-22 | TR 8 | General shot Trench 8 | SE |
| 23-24 | TR 9 | General shot Trench 9 | SE |
| 25-26 | TR 10 | General shot Trench 10 | SW |
| 27-28 | TR 11 | General shot Trench 11 | S |
| 29-30 | TR 12 | General shot Trench 12 | SE |
| 31-32 | TR 13 | General shot Trench 13 | NW |
| 33-34 | TR 14 | General shot Trench 14 | E |
| 35-36 | TR 15 | General shot Trench 15 | NNW |

Black & White Print Film 2

| Frame | Area | Description | From |
|-------|-------|--|------|
| 1-2 | | Registration shots | |
| 3-4 | TR 16 | General shot Trench 16 | SE |
| 5-6 | TR 17 | General shot Trench 17 | SW |
| 7-8 | TR 19 | General shot Trench 19 | SSW |
| 9-10 | TR 20 | General shot Trench 20 | ESE |
| 11-12 | TR 18 | General shot Trench 18 | SE |
| 13-14 | TR 21 | General shot Trench 21 | E |
| 15-16 | | General shot of site post-excavation (Cairn in background) | NE |

Colour Slide Film 1

| Frame | Area | Description | From |
|-------|-------|--|------|
| 1-2 | | Registration shots | |
| 3-4 | | General site shot pre-excavation (Cairn in background) | NE |
| 5-6 | TR 1 | General shot Trench 1 | N |
| 7-8 | TR 1 | East facing section of Trench 1 | E |
| 9-10 | TR 2 | General shot Trench 2 | E |
| 11-12 | TR 3 | General shot Trench 3 | SE |
| 13-14 | TR 4 | General shot Trench 4 | NW |
| 15-16 | TR 5 | General shot Trench 5 | NE |
| 17-18 | TR 6 | General shot Trench 6 | E |
| 19-20 | TR 7 | General shot Trench 7 | SW |
| 21-22 | TR 8 | General shot Trench 8 | SE |
| 23-24 | TR 9 | General shot Trench 9 | SE |
| 25-26 | TR 10 | General shot Trench 10 | SW |
| 27-28 | TR 11 | General shot Trench 11 | S |
| 29-30 | TR 12 | General shot Trench 12 | SE |
| 31-32 | TR 13 | General shot Trench 13 | NW |
| 33-34 | TR 14 | General shot Trench 14 | E |
| 35-36 | TR 15 | General shot Trench 15 | NNW |

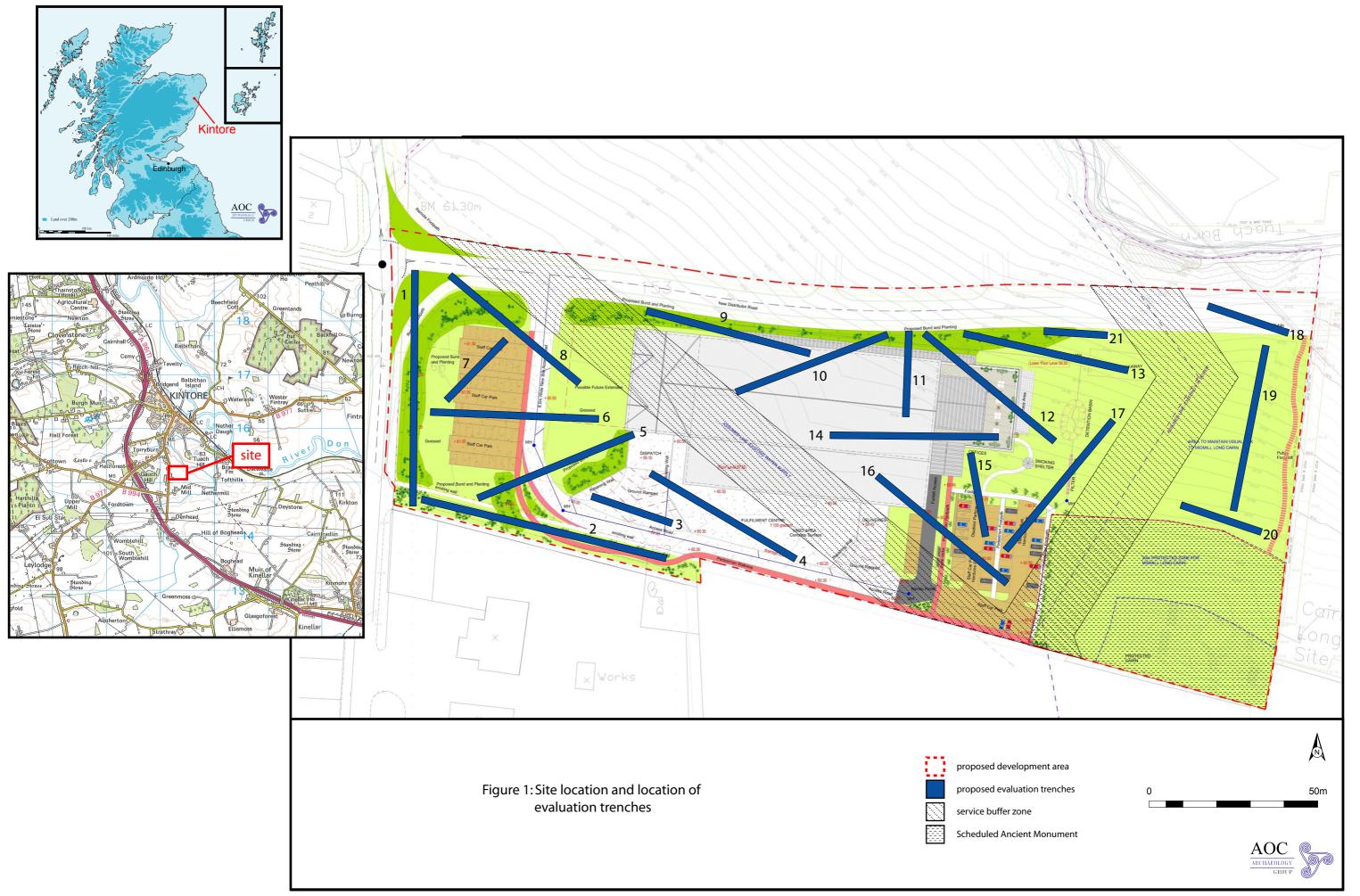
Colour Slide Film 2

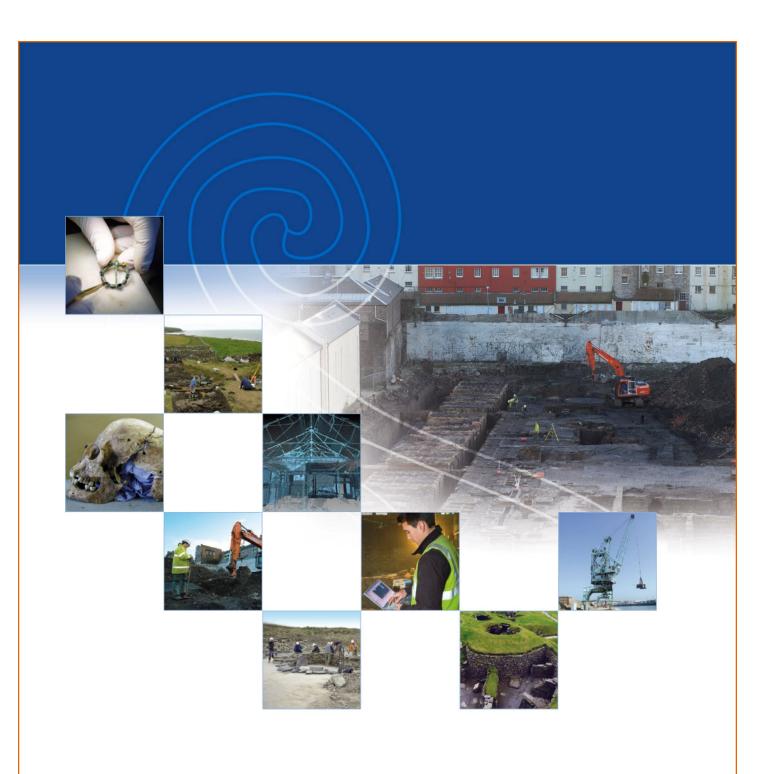
| Frame | Area | Description | From |
|-------|-------|--|------|
| 1-2 | | Registration shots | |
| 3-4 | TR 16 | General shot Trench 16 | SE |
| 5-6 | TR 17 | General shot Trench 17 | SW |
| 7-8 | TR 19 | General shot Trench 19 | SSW |
| 9-10 | TR 20 | General shot Trench 20 | ESE |
| 11-12 | TR 18 | General shot Trench 18 | SE |
| 13-14 | TR 21 | General shot Trench 21 | Е |
| 15-16 | | General shot of site post-excavation (Cairn in background) | NE |

APPENDIX 3

Discovery and Excavation in Scotland Report

| LOCAL AUTHORITY: | Aberdeenshire Council |
|---|---|
| PROJECT TITLE/SITE NAME | Midmill, Kintore Evaluation |
| PROJECT CODE: | AOC 20857 |
| PARISH: | Kintore |
| NAME OF CONTRIBUTOR: | Victoria Clements |
| NAME OF ORGANISATION: | AOC Archaeology Group |
| TYPE(S) OF PROJECT: | Archaeological Evaluation |
| NMRS NO(S) | NJ71NE 31 |
| SITE/MONUMENT TYPE(S): | Midmill Cairn Scheduled Ancient Monument 3958 |
| SIGNIFICANT FINDS: | None |
| NGR (2 letters, 6 figures) | NJ 793 152 (centred) |
| START DATE (this season) | 12 th February 2008 |
| END DATE (this season) | 13 th February 2008 |
| PREVIOUS WORK (incl. DES | |
| ref.) | |
| MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields) | An archaeological evaluation was carried out in advance of proposed development. Twenty-one trenches (covering an area of 1820 m²) were opened. Despite the presence of Midmill Cairn, a scheduled ancient monument, in the south-east corner of the development area, no |
| | features or artefacts of archaeological significance were identified. |
| PROPOSED FUTURE WORK: | None |
| CAPTION(S) FOR ILLUSTRS: | MACHICAGO I in a graph to start and a |
| SPONSOR OR FUNDING BODY: | William Lippe Architects Ltd |
| ADDRESS OF MAIN CONTRIBUTOR: | Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY |
| EMAIL ADDRESS: | admin@aocscot.co.uk |
| ARCHIVE LOCATION (intended/deposited) | Archive to be deposited in NMRS |







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