

# CFA Archaeology Ltd

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*Historic Building Recording*

*Site & Landscape Survey*

*Geophysical Survey*

**Andershaw Wind Farm, South Lanarkshire**

**Post-felling Survey**

**Report No. 3319**

## **CFA ARCHAEOLOGY LTD**

The Old Engine House  
Eskmills Business Park  
Musselburgh  
East Lothian  
EH21 7PQ

Tel: 0131 273 4380

Fax: 0131 273 4381

email: [info@cfa-archaeology.co.uk](mailto:info@cfa-archaeology.co.uk)

web: [www.cfa-archaeology.co.uk](http://www.cfa-archaeology.co.uk)

Author	Mhairi Hastie BSc MSc FSA Scot MCifA
Illustrator	Graeme Carrathurs MA, MCifA
Editor	Tim Neighbour BSc FSA Scot MCifA
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This document has been prepared in accordance with CFA Archaeology Ltd standard operating procedures.

### **Andershaw Wind Farm, South Lanarkshire**

#### **Post-felling Survey**

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## CONTENTS

1.	Introduction	3
2.	Working Methods	3
3.	Archaeological Results	4
4.	Mitigation	6
5.	Bibliography	6

## Appendices

1.	Photographic Register	7
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## Illustrations (bound at rear)

Fig. 1 Cultural Heritage: Location map

Fig. 2 Sheepfold **22686** taken from the east

Fig. 3 Sheepfold **22686** taken from the south-east

Fig. 4 Sheep shelter **Entec 11** taken from the north-west

Fig. 5 Small shelter abutting south-east side of sheep shelter **Entec 11** taken from the south-west

Fig. 6 Building **cfa100** taken from the west

Fig. 7 Enclosure **13296** taken from the south-west

Fig. 8 Enclosure **13296**, section through bank taken from the south-east

Fig. 9 Enclosure **13296**, enclosure bank taken from the east-south-east

Fig. 10 Enclosure **13296**, section through enclosure bank and possible ditch taken from south-east

Fig. 11 Plan of enclosure **13296** over aerial photograph

## 1. INTRODUCTION

### 1.1 General

This report presents the results of a post-felling walkover survey undertaken by CFA Archaeology Ltd (CFA) in August 2015 prior to the construction of Andershaw Wind Farm, near Crawfordjohn, South Lanarkshire (NGR: NS 842 255). The work was commissioned by Andershaw Wind Power Limited.

A Written Scheme of Investigation (WSI) dated 28 May 2014 covering this programme of works was produced by CFA and approved by West of Scotland Archaeology Service (WoSAS).

### 1.2 Background

Andershaw Wind Farm Limited has been granted planning permission (Ref: CL/07/0454) from South Lanarkshire Council for the development of eleven wind turbines within a commercial forestry plantation, measuring c. 4km<sup>2</sup> at Andershaw, near Crawfordjohn, South Lanarkshire. The terms of the planning consent required a programme of archaeological works including post-felling walkover survey.

The Environmental Statement (Entec 2007) recorded twelve cultural heritage sites and features within the proposed development site, consisting principally of post-medieval agrarian features and several quarries.

### 1.3 Objectives

In accordance with the brief the objectives of the project were to ‘protect and preserve by record known sites, and to identify through post-felling survey the presence, character and quality of any archaeological sites which lie within the proposed development area and that may be affected by construction works’.

The objectives of the post-felling survey were to:

- To carry out a post-felling walkover survey of the turbine locations along with their associated infrastructure, comprising a 100m corridor centred on the tracks and turbine base locations
- To mark-off sites **Entec 11, 22685** and **22686**
- To survey site **13296** prior to the access track upgrade.

## 2. WORKING METHODS

CFA Archaeology Ltd follows the Chartered Institute for Archaeologists’ ‘Code of Conduct’ (CIfA 2014).

The walkover survey encompassed the areas felled for the wind farm infrastructure, and which comprised the turbine locations and access track corridors.

All on-site recording was carried out according to standard CFA procedures. The position of identified assets (and where appropriate their extents) were logged using a GPS with typical sub-metre accuracy. The baseline condition of identified assets was recorded on pro-forma monument recording sheets and by digital photography.

### 3. ARCHAEOLOGICAL RESULTS

#### 3.1 Post-felling survey

Four previously recorded cultural heritage sites were identified during the post-felling survey: a sheepfold **22686**, a sheep shelter **Entec 11**, and two quarries **Entec 6** and **Entec 8**. Three additional features were also recorded: a building **cfa100** and two quarries **cfa101** and **cfa102**. Details of these features are presented in Table 1 and shown on Figure 1. A list of photographs of the sites is presented as Appendix 1

No remains of a previously recorded sheepfold **22685** now survive. The location of this site was still afforested at the time of the survey. It seems likely that sites **22685** is the same as **22686**, with the discrepancy between grid references being a result of one of the site records being recorded from the First Edition Ordnance Survey map (**22686**) and one being recorded from aerial photographs (**22685**). Therefore, it seems likely that site **22685** did not ever exist at the grid reference associated with that site record.

*Table 1. Gazetteer of Cultural Heritage Sites identified during Post-felling Survey*

Site no	Easting	Northing	Baseline condition
<b>22686</b>	284667	625707	The remains of a well-preserved dry-stone sheepfold stand in a forest clearing c. 25m north-east from an existing forest track. The sheepfold is roughly oval in plan and measures 19m by 17m with walls 1.5m high. Two walls run from the north-west and south-west corners of the sheepfold for c.8m and c.5m, respectively. An entrance, c.3m wide, is present in the north-east arc of the sheepfold (Figures 2 and 3).
<b>Entec 6</b>	283387	624985	A large quarry is located c. 30 m north of the Glespin to Crawfordjohn public road, adjacent to an existing forest track. The quarry measures c.65m by 30m and is 2m deep. It is partially grass-covered although a large amount of stone debris is visible at its base.
<b>Entec 8</b>	284180	624603	A bedrock ridge is aligned west-north-west by east-south-east c.100 m north-east of the Glespin to Crawfordjohn public road. At least four quarries have been cut into the bedrock ridge, ranging in size from 10m by 8m to 70m by 18m and up to 3m deep.
<b>Entec 11</b>	284313	624583	The remains of a well-preserved dry-stone sheep shelter stand on a north-west facing slope, just south-east of a former quarry. The sheep shelter is roughly horse-shoe shaped, open to the north-west and measures 30m at its widest part. The remains of a small square, dry-stone structure, which abuts the sheep shelter on its south-east side, measures c.1m by 1m (internally) with walls 0.5m high. The exact function of this structure is not known, but it may be a possible lambing pen or small shepherd's shelter (Figures 4 and 5).
<b>cfa100</b>	285158	625353	The tumbled remains of a dry-stone building survive at the base of a small quarry <b>cfa102</b> . The building is rectangular in plan and measures c.2.5m by 2m and up to 0.4m high. The

			structure is partially covered in moss and turf and no internal features or an entrance are visible. Its function is unknown, although it may have been a small shelter for the quarry workers (Figure 6).
<b>cfa101</b>	285141	625353	A small roughly oval quarry cut into the edge of a bedrock knoll. The quarry measures 6m by 5m and is c.1.5m deep. It is partially water-filled.
<b>cfa102</b>	285158	625359	A possible quarried bedrock edge is c.22m long and 1.5m high. The quarried edge is largely covered in moss, but tumbled stone is visible at its base.

### 3.2 Detailed Survey of an Enclosure (Site 13296)

Field survey carried out in 1992 (Ward 1992) had recorded the presence of the enclosure (RCAHMS Ref no: NS82NE 23) and remnants of rig and furrow cultivation on the south-east flank of Auchensauch Hill. A pre-construction survey of the enclosure was carried out to record the current baseline condition of the site.

The remains of the enclosure were identified on a gentle slope, on the edge of an improved pasture field, just north of the former conveyor road at NGR: 285744 626980. The conveyor road has been cut into the natural slope of the hill down to a maximum depth of between 1.5m and 2m and much of the enclosure was evidently destroyed during road construction; only its north-western arc now survives (Figures 7-11). The enclosure remains are crossed by a modern post- and wire-fence and a trident electric overhead power line runs passed the eastern side of the enclosure remains.

The surviving portion of the enclosure bank is 3m-4m wide and 0.4m high (Figures 8 and 9). There are no obvious stones within the bank, but the faint outline of what may be the remnants of a groove, as recorded by Ward (1992), are visible partially running along the centre of the bank. A possible ditch, which runs around the enclosure is visible on the surface as a depressions c. 0.5m-1m wide and 0.2m-0.3m deep (Figure 10). The ditch is filled with dense grass and reeds and was difficult to define, and it seems probable that excavation would reveal it to be both broader and deeper.

Little survives of the interior of the enclosure, it having been largely removed by the construction of the former conveyor road. What does survive is grass-covered, and no internal features were visible.

No upstanding remains of the enclosure were visible on the southern side of the conveyor road. This side of the conveyor road has been disturbed both during the construction of the conveyor route, which ran along the southern edge of the road, and during the removal of the conveyor itself following the closure of Glentaggart Mine (Figure 11). It is, therefore, considered that it is unlikely that any buried remains of the enclosure survive on the southern side of the conveyor road.

No surface traces were identified of the rig and furrow cultivation that was recorded along the slopes of Auchensaugh Hill in 1992.

#### 4. MITIGATION

Sites **13296**, **22686**, **Entec 11** and **cfa100-102** were marked-off with canes and bunting. Where possible a 10m stand-off buffer from the edge of the upstanding remains was included within the demarcated areas. Durable fencing will be placed around each of the sites by the Infrastructure Contractor prior to construction works commencing. No further work is recommended in relation to these sites.

No construction works are necessary along the northern edge of the former Glentaggart Mine conveyor road as part of the upgrading works to form the access to the proposed Wind Farm. Therefore, the surviving upstanding remains of the enclosure **13296** will not be affected. Taking this into account, it was agreed with WoSAS that no further mitigation would be required in relation to this site.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Monuments Record of Scotland (NMRS).

Following the completion of this project, an online entry into OASIS will be submitted and a *Discovery & Excavation in Scotland* entry will be submitted.

#### 5. BIBLIOGRAPHY

Chartered Institute for Archaeologists (Cifa) (2014) *By-Laws: Code of Conduct*. Institute for Archaeologists. London.

Entec 2007 *Andershaw Wind Farm Environmental Statement: Cultural Heritage*, Enetc UK Limited (June 2007).

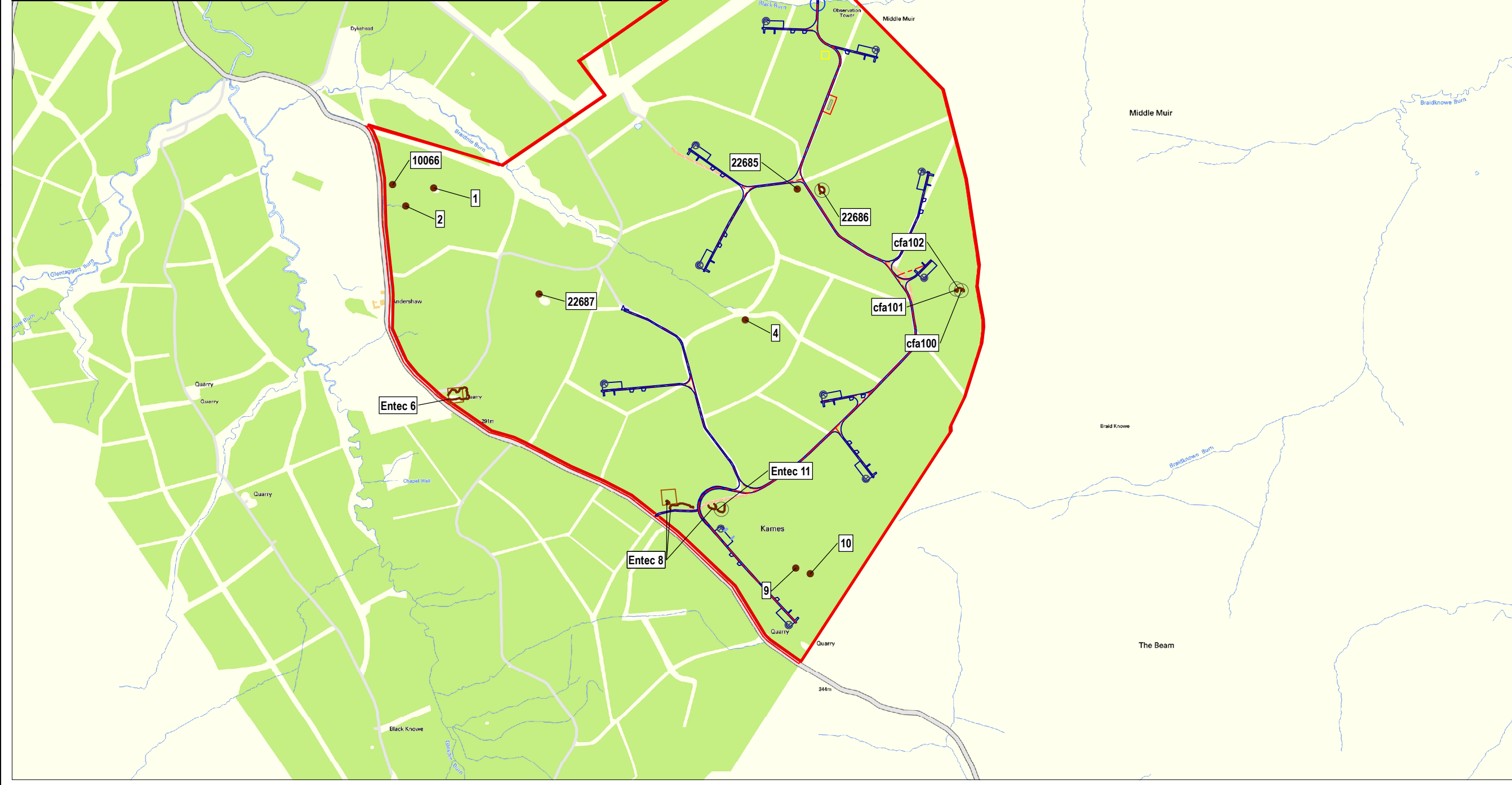
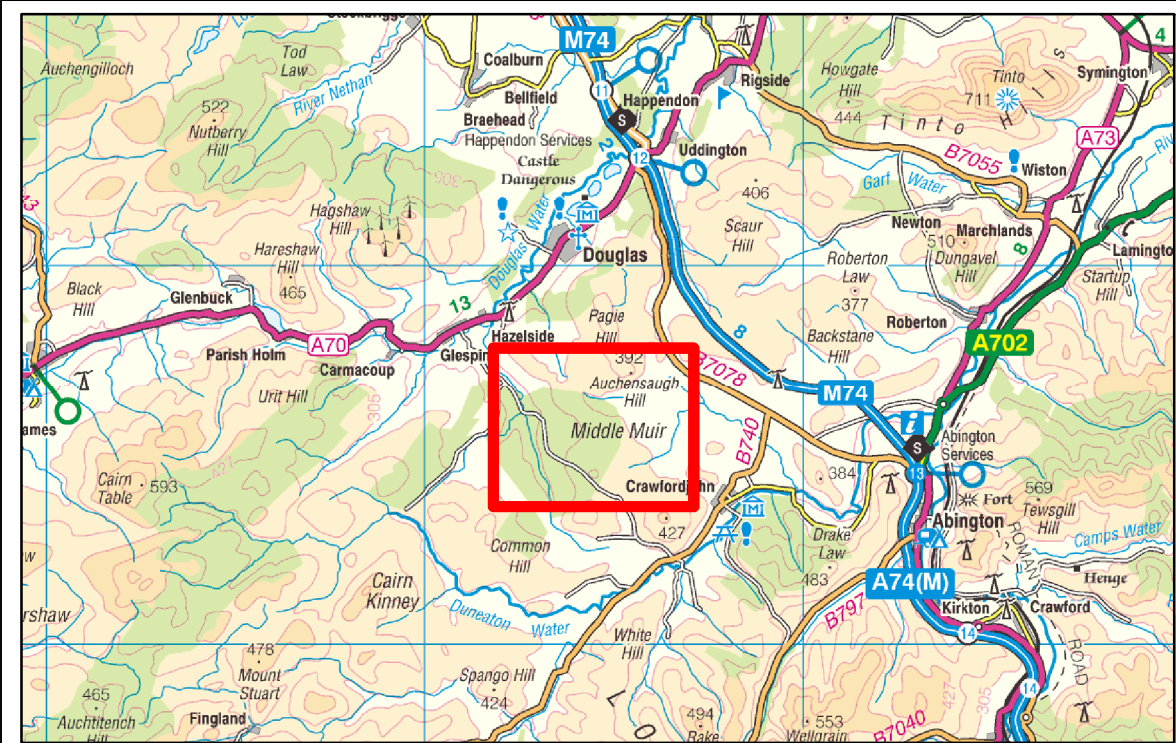
Ward, T (1992) *Upper Clydesdale through the ages, the M74 project (archaeology): the Clydesdale experience* [Biggar], p. 83.

## APPENDIX 1: Photographic Register

Photo no	Site no	Photo description	Taken from
ANDE_001	-	General shots of felled area around Turbine 2	-
ANDE_002	-	General shots of felled area around Turbine 2	-
ANDE_003	<b>22686</b>	General shot of sheepfold	NE
ANDE_004	<b>22686</b>	General shot of sheepfold	NE
ANDE_005	<b>22686</b>	General shot of sheepfold (showing sheepfold entrance)	E
ANDE_006	<b>22686</b>	General shot of sheepfold	SE
ANDE_007	-	General shots of felled area around Turbine 4	-
ANDE_008	-	General shots of felled area around Turbine 4	-
ANDE_009	-	General shots of felled area around Turbine 4	-
ANDE_010	<b>cfa100</b>	General shot of quarry	SW
ANDE_011	<b>cfa100</b>	As above	E
ANDE_012	<b>cfa100 - cfa102</b>	General shot of building and quarry	W
ANDE_013	<b>cfa 100</b>	General shot of building	N
ANDE_014	<b>cfa100 - cfa102</b>	General shot of building and quarries marked-off	-
ANDE_015	<b>cfa100 - cfa102</b>	General shot of building and quarries marked-off	-
ANDE_016	-	General shots of felled area around Borrow Pit 2	-
ANDE_017	-	General shots of felled area around Borrow Pit 2	-
ANDE_018	-	General shots of felled area around Borrow Pit 2	-
ANDE_019	<b>Entec 8</b>	General shots of quarrying	ESE/SE
ANDE_020	<b>Entec 8</b>	General shots of quarrying	ESE/SE
ANDE_021	<b>Entec 8</b>	General shots of quarrying	ESE/SE
ANDE_022	<b>Entec 8</b>	General shot of quarrying in ridge – quarry appears to have been re-used for construction of forestry access road	ESE
ANDE_023	<b>Entec 8</b>	General shot of bedrock ridge	SE
ANDE_024	-	General shot of Turbine 10 construction area	SW
ANDE_025	<b>Entec 8</b>	General shot of quarry (adjacent to sheep shelter <b>Entec 11</b> )	NNW
ANDE_026	<b>Entec 8</b>	General shot of quarry (adjacent to sheep shelter <b>Entec11</b> )	NNW
ANDE_027	<b>Entect 11</b>	General shot of sheep shelter	NW
ANDE_028	<b>Entect 11</b>	General shot of sheep shelter	NW
ANDE_029	<b>Entect 11</b>	Small possible lambing pen or shelter abutting Sheep shelter	SE
ANDE_030	<b>Entect 11</b>	Small possible lambing pen or shelter abutting Sheep shelter	SW
ANDE_031	<b>Entec 6</b>	General shot of quarry	SW
ANDE_032	<b>Entec 6</b>	General shot of quarry	SW
ANDE_033	<b>Entec 6</b>	General shot of quarry	SW
ANDE_034	<b>22686</b>	General shot of sheepfold marked-off	SW/S
ANDE_035	<b>22686</b>	General shot of sheepfold marked-off	SW/S
ANDE_036	<b>13296</b>	SE-facing section of enclosure bank (and poss ditch; NE arc) where truncated by conveyor road	SE
ANDE_037	<b>13296</b>	As above – close up of bank	ESE
ANDE_038	<b>13296</b>	Enclosure bank at NE arc	ESE
ANDE_039	<b>13296</b>	Enclosure bank and ditch at NE arc	ESE
ANDE_040	<b>13296</b>	Enclosure bank at approx. centre point (of surviving bank section) showing ‘hint’ of central surface depression recorded by T Ward in 1992	ENE
ANDE_041	<b>13296</b>	General shot of surviving enclosure bank	SW
ANDE_042	<b>13296</b>	Enclosure bank at S arc	S
ANDE_043	<b>13296</b>	Enclosure bank and ditch at S arc	S
ANDE_044	<b>13296</b>	S-facing section of enclosure bank (and possible ditch) at S arc where truncated by conveyor road	SE



<b>Photo no</b>	<b>Site no</b>	<b>Photo description</b>	<b>Taken from</b>
ANDE_045	<b>13296</b>	As above – close up of bank	SE
ANDE_046	<b>13296</b>	General shot of enclosure marked-off	SW
ANDE_047	<b>13296</b>	General shot of enclosure marked-off	SSW
ANDE_048	<b>13296</b>	As above – also showing SE-facing section of enclosure/truncation by road	S
ANDE_049	<b>13296</b>	General shot of area on opposite side of conveyor road to enclosure	NW
ANDE_050	<b>Entec 11</b>	General shot of sheepfold marked-off	NW
ANDE_051	<b>Entec 11</b>	General shot of sheepfold marked-off	N



**Key:**

- Site Boundary (approximate)
- Cultural Heritage Site (point)
- Cultural Heritage Site (line)

**CFA** ARCHAEOLOGY LTD  
 The Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

Fig. No: 1 Report No: 3319

Title:  
**Cultural Heritage: Location map**

Project:  
**Andershaw Wind Farm, South Lanarkshire, Post-felling Survey**

Client:  
**Andershaw Wind Farm Limited**

Scale at A3:  
**1:15,000**

Drawn by: GC Checked: SW Date: 23/11/2015

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Fig. 2 Sheepfold **22686** taken from the east



Fig. 3 Sheepfold **22686** taken from the south-east



**CFA ARCHAEOLOGY LTD**  
 Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

Title:	Fig. 2 - 3	Report: 3319	Drawn: GC	CKD: SW	Date: 02/09/15
	Client: Andershaw Wind Power Limited				
Project: Andershaw Wind Farm, South Lanarkshire, Post-felling Survey					



Fig. 4 Sheep shelter **Entec 11** taken from the north-west



Fig. 5 Small shelter abutting south-east side of sheep shelter **Entec 11**, taken from the south-west



**CFA ARCHAEOLOGY LTD**  
 Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

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Client:	Andershaw Wind Power Limited				
Project:	Andershaw Wind Farm, South Lanarkshire, Post-felling Survey				



Fig. 6 Building **cfa100** taken from the west



Fig. 7 Enclosure **13296** taken from the south-west



**CFA ARCHAEOLOGY LTD**  
 Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

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	Client: <b>Andershaw Wind Power Limited</b>				
Project: <b>Andershaw Wind Farm, South Lanarkshire, Post-felling Survey</b>					



Fig. 8 Enclosure 13296, section through bank taken from the south-east



Fig. 9 Enclosure 13296, enclosure bank taken from the east-south-east



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 Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

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Client:	Andershaw Wind Power Limited				
Project:	Andershaw Wind Farm, South Lanarkshire, Post-felling Survey				



Fig. 10 Enclosure **13296**, section through enclosure bank and possible ditch taken from the south-east



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 Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

Title:	Fig. <b>10</b>	Report: <b>3319</b>	Drawn: <b>GC</b>	CKD: <b>SW</b>	Date: <b>02/09/15</b>
	Client: <b>Andershaw Wind Power Limited</b>				
Project: <b>Andershaw Wind Farm, South Lanarkshire, Post-felling Survey</b>					



Key:

- Enclosure bank
- - - Projected limit of enclosure



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 The Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 T: 0131 273 4380  
 F: 0131 273 4381  
 info@cfa-archaeology.co.uk  
 www.cfa-archaeology.co.uk

Fig. No:	11	Report No:	3319
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Title:  
**Plan of Enclosure 13296**  
 over arial photograph

Project:  
**Andershaw Wind Farm,**  
**South Lanarkshire,**  
**Post-felling Survey**

Client:  
**Andershaw Wind Power Limited**

Scale at A3:  
**1:250**

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