

# CFA Archaeology Ltd

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## **Hill of Towie Wind Farm, Drummuir, Moray**

### **Archaeological Watching Brief and Demarcation**

**Report No. 1988**

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## **1. INTRODUCTION**

### **1.1 General**

This report presents the results of an archaeological watching brief and site demarcation undertaken by CFA Archaeology Ltd (CFA) between July 2010 and September 2011 on the proposed site of Drummuir Wind Farm, Keith, Moray. The work was commissioned by Renewable Energy Systems Ltd (RES).

A Written Scheme of Investigation (WSI) was produced by CFA based upon information provided by RES. The WSI was designed to meet the requirements of the Aberdeenshire Council Archaeology Service (ACAS) acting as the archaeological advisor to Moray Council.

### **1.2 Background**

An archaeological field reconnaissance survey was undertaken on the proposed development area in October 2001 by CFA Archaeology Ltd on behalf of RES. Due to boundary changes after the initial field survey took place, a small area to the south-west of the proposed development area (the site of Turbines 1 and 2) was not included in the original survey. Subsequently, a further archaeological field reconnaissance survey was carried out in March 2010 (MacRae 2010).

A number of archaeological sites were recorded and demarcated by fencing prior to the commencement of work as detailed in Stage 1 of the WSI. The demarcation was reported on under separate cover (MacRae 2010). As part of the current phase of works, these sites were re-visited and photographed following the completion of all on site construction works, to assess their condition and check whether any disturbance/damage had occurred through the construction period.

A watching brief was undertaken during ground breaking works on areas agreed in the WSI. This comprised groundbreaking works in the vicinity of Site **18** (a cairn that forms the surviving elements of an administrative boundary).

### **1.3 Objectives**

This report details the results of work carried out in accordance with Stage 1 as described in the WSI produced by CFA in November 2008. The specific aspects of work carried out were as follows:

- To provide a watching brief during groundbreaking works in the vicinity of Site **18**.
- To provide a watching brief in the vicinity of Site **14** if a stone borrow pit is needed at this location.
- To assess the needs for further work (Stage 2).

## **2. WORKING METHODS**

### **2.1 General**

CFA Archaeology Ltd follows the Institute for Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Fieldwork. Recording of all elements followed established CFA methods, as detailed in the approved WSI.

### **2.2 Archaeological Watching Brief**

The terms of the WSI required an appropriate programme of archaeological investigation (watching brief) to monitor all ground breaking works. Excavation was undertaken using a 22 ton back-actor fitted with a smooth-bladed ditching bucket.

All discoveries, including soil profiles and subsoil characteristics, were recorded using standard CFA recording forms and digital photography.

## **3. ARCHAEOLOGICAL RESULTS**

Numbers in bold in the following text refer to contexts, a full list of which is contained in Appendix 1.

### **3.1 Watching Brief**

A watching brief was not needed in the vicinity of Site **14** (an annular earthwork) as the borrow pit was not located here.

A watching brief was maintained in the vicinity of Site **18**. Topsoil was 0.2m to 0.3m thick, occasionally with a thin layer of peat beneath the topsoil which was never more than 0.2m thick (Fig. 2). Natural substrate was orange sandy clay and grey clay with frequent shattered stones.

There were no features, deposits or artefacts of archaeological significance identified during the watching brief.

### **3.2 Demarcation of sites**

In 2010, several archaeological sites identified within the survey area were demarcated to prevent any ground works or site traffic encroaching upon, and potentially damaging, the sites. The buffer zones were marked out by CFA personnel with more substantial barriers erected by RES prior to any work taking place around the sites (see Appendix 2 for the list of sites).

The sites were re-visited in September 2011 and no damage or encroachment onto the sites had taken place and all sites were in the same condition as prior to construction works.

The upstanding remains of Rosarie farmstead, mill pond and lade were located and a 10m buffer zone was demarcated around the site (Figs. 3-4).

The remains/location of Rosarie cottages was identified and a 10m buffer zone was demarcated around the site (Figs. 5-6).

No construction work was due to take place at the northern cairn of Site 18 and as such no demarcation took place. A 10m buffer zone was laid out around the southern marker stone of Site 18 (Figs. 7-8).

#### **4. CONCLUSION**

A watching brief was carried out during ground works for construction of access tracks and turbine bases in the vicinity of Site **18**, an administrative boundary marker. There were no features, deposits or artefacts of archaeological significance identified during the watching brief.

The demarcated sites were re-visited to assess their baseline condition following completion of construction and there was found to be no change.

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

A summary statement of the results of this watching brief will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 3) and an online OASIS form will be completed.

#### **5. REFERENCE**

MacRae, F 2010 *Hill of Towie Wind Farm, Drummuir, Moray. Archaeological Field Reconnaissance Survey*. CFA Archaeology Ltd, unpublished Report No. 1765.

## APPENDIX 1: Digital Photographic Register

No.	Description	Taken From
1	Working shot, T12	S
2	Working shot, T12	S
3	Working shot, T12	S
4	Working shot, T12	S
5	Working shot, T12	S
6	Working shot, fenced Site 18	SW
7	Working shot, topsoiling near Site 18	S
8	Working shot, topsoiling near Site 18	SW
9	View of site 18 and stripped road	W
10	General view of Site 18	SW
11	General view of Site 18	W
12	Working shot, stripping road	S
13	Working shot, near T14	S
14	Working shot, near T14	S
15	General view of stripped watching brief area, T12	N
16	General view of stripped watching brief area, T12	NW
17-20	Post-construction views of Site 18	Various
21-22	Post-construction views of Rosarie Cottages	Various
23-34	Post-construction views of Rosarie Farmstead	Various

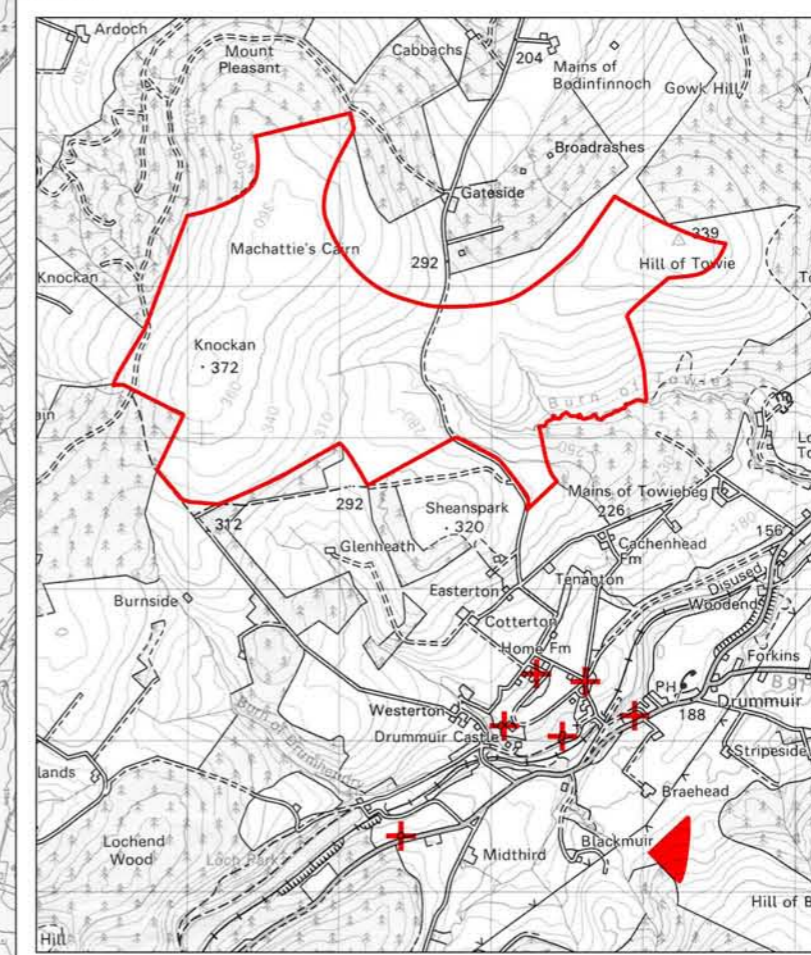
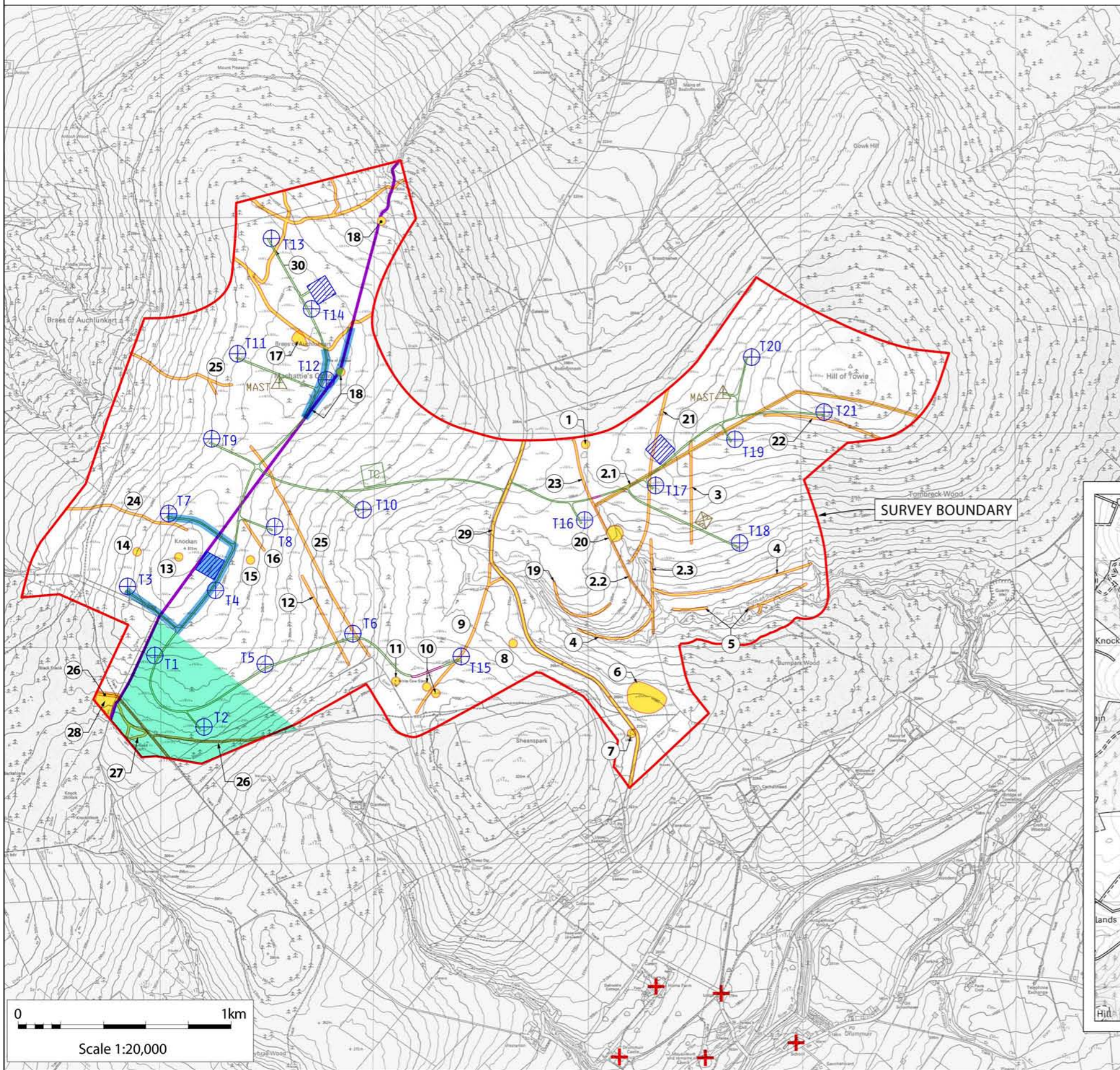
## APPENDIX 2: Site Gazetteer

Site no.	Name/Site type	NGR	Description	SMR/NMRS Number
18	Cairn	NJ 3585 4729 (southern cairn)	Small turf covered cairn measuring 2m by 0.2m topped by a small un-worked orthostat measuring 0.5 in height. This cairn most likely relates to the Knochan series of parish boundary markers.	NJ34NE0026
	Rosarie Cottages	NJ 3871 4956	Two small rectangular buildings are depicted on the OS map of 1847 lying on the south side of a road c100m apart. By the OS map of 1888 only the most easterly one is depicted but in a disused condition. Now nothing is visible though foundations may survive.	NJ34NE0019
	Rosarie Farmstead	NJ 3884 4938	The remains of a building stand on the east side of a forest road. On the OS map of 1847 a farmstead is depicted at this location. It is rectangular, oriented NE/SW, with an internal courtyard and another building to the south. A mill pond with lade lies on the SE. By the 1888 edition part of the farmstead is unused and several small enclosures have been added to the west side.	NJ34NE0013

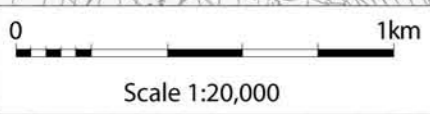
### APPENDIX 3: Discovery and Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	Aberdeenshire Council
<b>PROJECT TITLE/SITE NAME:</b>	Hill of Towie Wind Farm, Drummuir, Moray
<b>PROJECT CODE:</b>	DRUM
<b>PARISH:</b>	Botriphnie
<b>NAME OF CONTRIBUTOR:</b>	Gary Savory and Fraser MacRae
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Archaeological Watching Brief
<b>NMRS NO(S):</b>	SMR No. NJ34NE 0019, SMR No. NJ34NE 00193, SMR No. NJ34NE0026
<b>SITE/MONUMENT TYPE(S):</b>	Parish boundary marker, farmstead, cottages
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 10 figures)</b>	NJ 35027 45761
<b>START DATE (this season)</b>	March 2010
<b>END DATE (this season)</b>	September 2011
<b>PREVIOUS WORK (incl. DES ref.)</b>	N/A
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>A programme of archaeological work was undertaken between March 2010 and September 2011 on the site of Towie Hill Wind Farm, near Keith, Moray.</p> <p>A previous archaeological field reconnaissance survey was undertaken on the proposed development area in October 2001 by CFA Archaeology Ltd. Due to boundary changes after the initial field survey took place, a small area to the south-west of the proposed development area was surveyed in 2010.</p> <p>Three previously known sites were demarcated and fenced off to prevent accidental damage during the windfarm construction phase; these were Rosarie Forest Buildings (SMR No NJ34NE 0019), Rosarie Forest Enclosure, Farmsteads, Lades and Ponds (SMR No NJ34NE 00193), and a boundary marker (SMR No. NJ34NE0026). These sites were re-visited following construction and there was no change to their baseline condition.</p> <p>A watching brief was also maintained construction of access tracks and turbine bases in the vicinity of the demarcated administrative boundary marker. There were no features, deposits or artefacts of archaeological significance identified during the watching brief.</p>
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	N/A
<b>SPONSOR OR FUNDING BODY:</b>	RES UK and Ireland Ltd
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	The Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ
<b>EMAIL ADDRESS:</b>	cfa@cfa-archaeology.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	National Monuments Record of Scotland Moray Council Sites and Monuments Record





- Key:
- Areas of archaeological interest
  - Areas of archaeological watching brief
  - Areas of field reconnaissance survey
  - Administrative boundary (1st Edition OS)
  - + Listed Building
  - ◀ Scheduled Ancient Monument
  - ⊕ Turbine
  - Anemometer
  - Compound
  - Proposed Access Track
  - Floated Access Track
  - Borrow Pit
  - Substation



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Fig. No:	1	Revision:	A
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Title:  
**Location plan showing cultural heritage sites and watching brief areas**

Project:  
**Hill of Towie Wind Farm, Drummuir**

Scale at A3:

Client:  
**Renewable Energy Systems Ltd**





Fig 2 - General view of stripped area near T12, from north



Fig 3 - Rosarie Farmstead pre-construction, from north


Key:	Fig. No: 2-3	Revision: A	Client: Renewable Energy Systems Ltd	 <p>CFA ARCHAEOLOGY LTD The Old Engine House Eskmills Park Musselburgh East Lothian, EH21 7PQ t: 0131 273 4380 f: 0131 273 4381 e: info@cfa-archaeology.co.uk w: www.cfa-archaeology.co.uk</p>
	Title:			
Scale at A4:	Project: Hill of Towie Wind Farm, Drummuir			Drawn by: SW
				Checked: LW
				Report No: 1988





Fig 4 - Rosarie Farmstead post-construction, from north



Fig 5 - Site of Rosarie Cottages pre-construction, from south-east


Key:	Fig. No: 4-5	Revision: A	Client: Renewable Energy Systems Ltd	 <p>CFA ARCHAEOLOGY LTD The Old Engine House Eskmills Park Musselburgh East Lothian, Eh21 7PQ t: 0131 273 4380 f: 0131 273 4381 e: info@cfa-archaeology.co.uk w: www.cfa-archaeology.co.uk</p>
	Title:			
Scale at A4:	Project: Hill of Towie Wind Farm, Drummuir			Drawn by: SW    Checked: LW    Report No: 1988






Fig 6 - Site of Rosarie Cottages post-construction, from south-east



Fig 7 - Site 18 pre-construction, from north-west



Fig 8 - Site 18 post-construction, from south-east

Key:	Fig. No:	6-8	Revision:	A	Client:	Renewable Energy Systems Ltd	
	Title:						
Scale at A4:	Project:						
	Hill of Towie Wind Farm, Drummuir						
				CFA ARCHAEOLOGY LTD The Old Engine House Eskmills Park Musselburgh East Lothian, Eh21 7PQ t: 0131 273 4380 f: 0131 273 4381 e: info@cfa-archaeology.co.uk w: www.cfa-archaeology.co.uk			
		Drawn by:	SW	Checked:	LW	Report No:	
							1988