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Advice on Archaeology & Planning

Environmental Impact Assessment

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Finds/ Environmental Analysis

Field Evaluation & Excavation

Historic Building Recording

Site & Landscape Survey

Geophysical Survey

**Dalgig Bridge, Dalgig, near New Cumnock,
East Ayrshire
Level 1 Standing Building Survey**

**Data Structure Report
No. 1864**

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This document has been prepared in accordance with CFA Archaeology Ltd standard operating procedures.

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1. INTRODUCTION

1.1 General

This report presents the results of a Level 1 archaeological standing building survey carried out by CFA Archaeology Ltd (CFA) on Dalgig Bridge by Dalgig Farm, near New Cumnock, South Ayrshire (NGR NS 5577 1295; Fig. 1) in advance of a proposed extension to the Greenburn surface mining operation.

The survey was carried out during February 2011 and was commissioned by Kier mining.

The survey forms part of a multi-phase response to required mitigation based on that proposed within the Cultural Heritage chapter of the Environmental Statement prepared for the Dalgig Extension. A written scheme of investigation (WSI) for the work was produced by CFA and approved by the West of Scotland Archaeology Service (WoSAS).

1.2 Background

The bridge forms a crossing over a stream on a tributary of the river Nith. The NMRS records that Dalgig Bridge was constructed around 1870. The river crossing is annotated as a ford on the First Edition Ordnance Survey map (1860) of the area.

1.3 Objectives

The objectives of the archaeological work were to record the bridge to a Level 1 standard as defined by English Heritage guidelines .

2. METHODOLOGY

CFA follows the relevant guidelines for recording historic buildings (English Heritage 2006). Level 1 survey is essentially a visual record supplemented by sufficient information to identify the building's location, age and type. Recording typically entails photography and measured sketching.

CFA uses digital SLR cameras. A photographic record was made of the bridge and all relevant architectural details.

3. STANDING BUILDING SURVEY

3.1 General

The survey is presented as a narrative description. Unique identifier numbers have been assigned to structural features of the bridge and are included in the text in brackets. Dimensions and identifiers are listed below in Appendix 1.

3.2 Dalgig Bridge (Figs. 2-9)

The bridge spans a tributary of the river Nith and is currently in use, with a modern rough tarmac-surfaced single track road crossing it as part of the road running from Dalricket Mill to Waterhead Farm (Fig. 2, 9).

The bridge comprises two identical spans over the stream. The main build of the spans (1) comprise large quarry-faced ashlar coursed red sandstone blocks. The watercourse passes through a single arch (2) which is framed by vousoirs (Fig. 6, 7).

The parapets (3) are built of ashlar coursed sandstone with a fine horizontal droved finish (Fig. 5). Ridged capstones are set on top of the parapets (Fig. 4). Single ashlar-built piers (4) stand at each end of the parapets, capped with trapezoidal profiled capstones (Fig. 3).

The outside curve or the upstream side of the bank has a low retaining wall (5) built into the bank (Fig. 8). It is built from substantial ashlar blocks and runs for c.22m upstream from the bridge.

4. CONCLUSION

A Level 1 standing building survey has been carried out on Dalgig Bridge, Dalgig Farm, New Cumnock, East Ayrshire.

Built in the late 19th century, the bridge is very substantial and reflects the need to be able to support an increasing prevalence of mechanical agricultural traffic. The bridge is currently in use by heavy traffic associated with surrounding farms and mining activities.

A summary statement of the results of this evaluation will be submitted for publication in *Discovery and Excavation in Scotland*. The project will be reported through the OASIS protocol.

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 East Ayrshire Council Sites and Monuments Record.

5. REFERENCES

English Heritage 2006 *Understanding Historic Buildings: A guide to good recording practice*.

Ordnance Survey 1860 First Edition. Ayrshire 1;10,560 Sheet XLI.

APPENDIX 1: Architectural Context Register

Ident	Description	Length (mm)	Width (mm)	Height (mm)
1	Bridge span	7950	8100	2300
2	Arch		1730	770
3	Parapet	7950	290	750
4	Piers	830	470	750
5	Retaining wall in bank	c.22000	c.880	1200

APPENDIX 2: Photograph Register

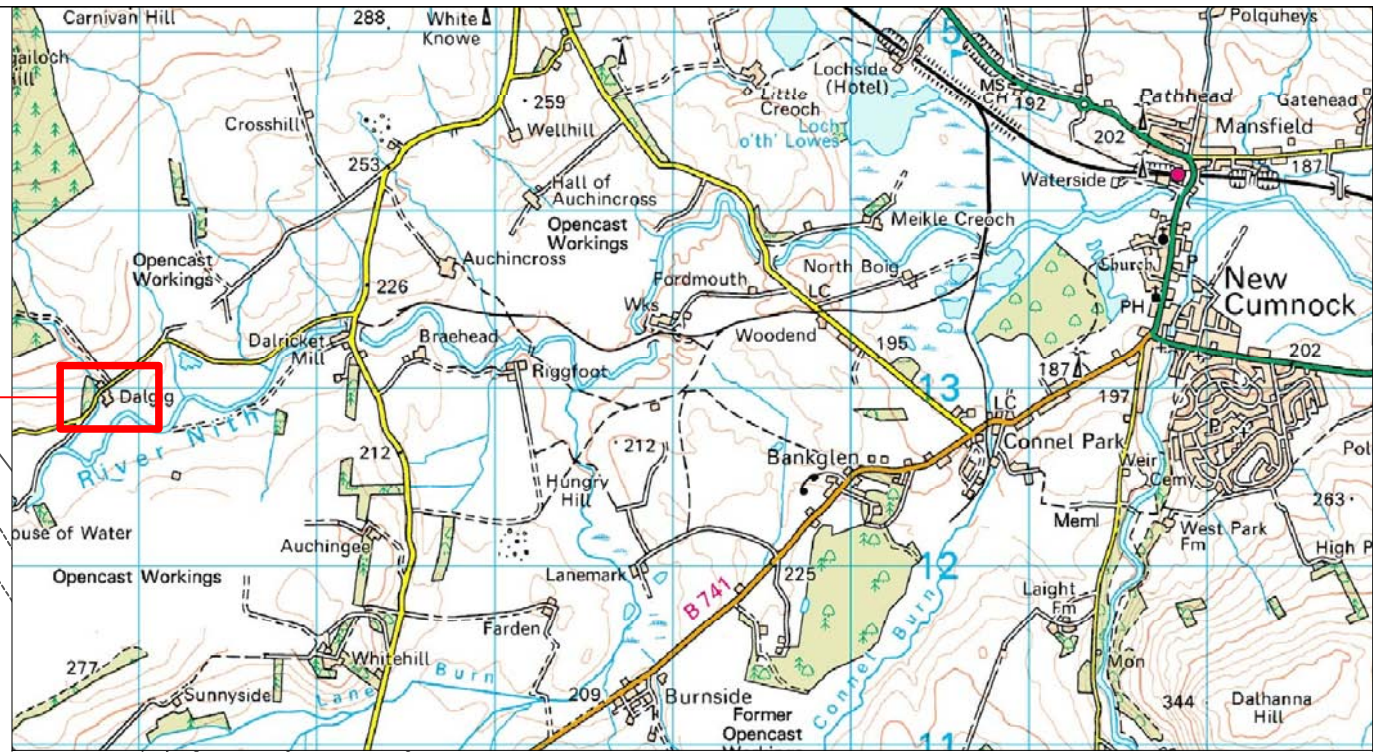
Photo No.	Description	Taken from
1	General view of road crossing bridge	NE
2	Detail of pier elevation	S
3	Detail of capstones on parapet and pier	NE
4	General view of parapet	SE
5	General view of bridge from upstream,	NW
6	Detail of arch	NW
7	Retaining wall In bank	NE
8	General view of bridge	N

APPENDIX 3: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	East Ayrshire
PROJECT TITLE/SITE NAME:	Greenburn Opencast Mine: Dalgig Bridge
PROJECT CODE:	KIMI2
PARISH:	New Cumnock
NAME OF CONTRIBUTOR:	S Mitchell
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Level 1 Standing Building Recording
NMRS NO(S):	N/A
SITE/MONUMENT TYPE(S):	Bridge
SIGNIFICANT FINDS:	N/A
NGR (2 letters, 6 figures)	NS 5577 1295
START DATE (this season)	February 2011
END DATE (this season)	February 2011
PREVIOUS WORK (incl. DES ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	A Level 1 standing building survey was carried out at Dalgig Bridge, Dalgig, near New Cumnock, South Ayrshire. The bridge is substantially built of quarry-faced ashlar blocks with a vousoir supported arch and ashlar parapets. The outer bank of the watercourse passing under the bridge has also been reinforced by a substantial retaining wall. The bridge was built c.1870 and reflects an increase in the weight and frequency of agricultural traffic.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	Kier Mining Ltd.
ADDRESS OF MAIN CONTRIBUTOR:	CFA Archaeology Ltd, Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ.
EMAIL ADDRESS:	smitchell@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS, Reports lodged with SMR and NMRS.



Key:



Site Location

Dalgig Plantation

Dalgig Bridge

Dalgig Plantation

Dalgig

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Fig. No: 1 Revision:

Title: General Location Map

Project: Greenburn Surface Mine, Dalgig Extension

Client: Kier Mining Ltd

Scale: 1:800

Drawn by: LW Report No: 1864



Fig. 2 View of bridge from the road



Fig. 3 Detail of pier and parapet capstones


Key:	Fig. No:	2-3	Revision:	A	Client:	Kier Mining 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:	Project: Greenburn Surface Mine, Dalgig Extension						Drawn by: GC Page No: Report No: 1864



Fig. 4 Detail of pier and parapet capstones



Fig. 5 General view of parapet


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	Title:										
Project:											
Scale:	Greenburn Surface Mine, Dalgig Extension					Drawn by:	GC	Page No:		Report No:	1864



Fig. 6 NW elevation of bridge



Fig. 7 Detail of arch



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	Title:						
Scale:	Project:	Greenburn Surface Mine, Dalgig Extension					
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Fig. 8 Bank retaining wall



Fig. 9 General view of bridge

Key:	Fig. No:	8-9	Revision:	A	Client:	Kier Mining Ltd
	Title:					
Scale:	Project:	Greenburn Surface Mine, Dalgig Extension				
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