

CFA Archaeology Ltd

archaeological consultants

Advice on Archaeology & Planning

Environmental Impact Assessment

Interpretation, Design & Display

Finds/ Environmental Analysis

Field Evaluation & Excavation

Historic Building Recording

Site & Landscape Survey

Geophysical Survey

Kenmore Bore Hole Upgrade Kenmore, Perth & Kinross

Archaeological Watching Brief

Report No. 3061

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
web: www.cfa-archaeology.co.uk

Author	Stuart Mitchell MA AIfA
Illustrator	Tamlin Barton MA
Editor	Melanie Johnson MA PhD FSA Scot MIfA
Commissioned by	Scottish Water
Date issued	July 2013
Version	0
Grid Ref	NN 7772 4559

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

Kenmore Bore Hole Upgrade Kenmore, Perth & Kinross

Archaeological Watching Brief

Report No. 3061

CONTENTS

1.	Introduction	3
2.	Working Methods	3
3.	Archaeological Results	4
4.	Conclusion	5

Appendices

1.	Context Register	6
2.	Photographic Register	6
3.	Discovery and Excavation in Scotland Entry	7

Illustrations (bound at rear)

Fig. 1 Area monitored during watching brief

Fig. 2 Trench excavated for the new concrete outflow, looking S

Fig. 3 Trench excavated between the Outflow and the Manhole

Fig. 4 Linear feature 005 revealed in section, looking E

1. INTRODUCTION

1.1 General

This report presents the results of an archaeological watching brief undertaken by CFA Archaeology Ltd (CFA) in June 2013 during ground breaking works for a bore hole upgrade at Kenmore, Perth and Kinross (NGR: NN 77808 45814) (Fig. 1). The work was commissioned by Scottish Water.

A Written Scheme of Investigation (WSI) dated 01 February 2013 was produced by CFA on behalf of Scottish Water. The WSI was approved in advance by Perth and Kinross Heritage Trust (PKHT).

1.2 Background

Scottish Water intend to upgrade the bore hole at Kenmore which involves the construction of a new pumping station kiosk adjacent to the existing WTW building and an outfall pipe into the River Tay.

The development lies within the Taymouth Castle Gardens and Designed Landscape.

1.3 Objectives

The objectives of the project are to conduct a watching brief during ground breaking works in order to establish the presence or absence of archaeological deposits within the development area, and propose mitigation measures where necessary.

2. WORKING METHODS

2.1 General

CFA Archaeology Ltd follows the Institute for Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Evaluations.

2.2 Archaeological Watching Brief

All ground breaking works whether by mechanical excavator or hand tools were monitored.

All trenches were excavated by machine under direct archaeological supervision to remove topsoil and modern deposits down to subsoil or the first significant archaeological horizon, whichever was reached first. Any further excavation required to fulfil the objectives of the watching brief was to be carried out by hand.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, by photography and by completing standard CFA record forms.

The stratification of all excavated areas was recorded, whether or not significant archaeological deposits have been identified.

The locations of all trenches were recorded using industry standard electronic surveying equipment.

3. ARCHAEOLOGICAL RESULTS

The watching brief was carried out on the new outfall headwall and trench connecting it to the manhole. Topsoil (**001**) was up to 0.1m thick. Natural was yellow stony sand (**003**) overlying glacially deposited coarse brown sand (**004**).

The new outfall headwall was cut into the bank (**002**) of the River Tay and measured 0.5m wide and up to 0.7m deep. It was cut c.2.5m back from the edge of the bank (Fig. 2) to accommodate a concrete outflow. Natural deposits of yellow stony sand (**003**) and coarse brown sand (**004**) were exposed. No archaeological remains or deposits were identified.

The trench extending to the manhole measured 0.8m wide and 0.9m deep and extended for approximately 20m. It was cut into natural stony yellow sand (**003**) (Fig. 3).

A linear ditch (**005**) was revealed in the trench section (Fig. 4). It was aligned east to west and ran underneath a compacted gravel path. Its full depth remains unknown as it extended deeper than the base of the trench. It measured 0.8m wide. The fill (**006**) was a mix of sand, silt and stones, similar to the topsoil. The trench may be for a buried service or be a boundary or drainage ditch relating to the path. No finds were recovered.

4. CONCLUSION

The watching brief carried out during the excavation of an outfall headwall and trench for a bore hole upgrade at Kenmore, Perth and Kinross. The watching brief identified a linear ditch within the trench section, the full depth of which was not reached. It is likely that the ditch is for a buried service although the possibility remains that it may relate to a boundary or drainage ditch relating to a path.

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 Perth and Kinross Sites and Monuments Record.

A summary statement of the results of this programme of works will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 3).

APPENDICES

Appendix 1: Context Register

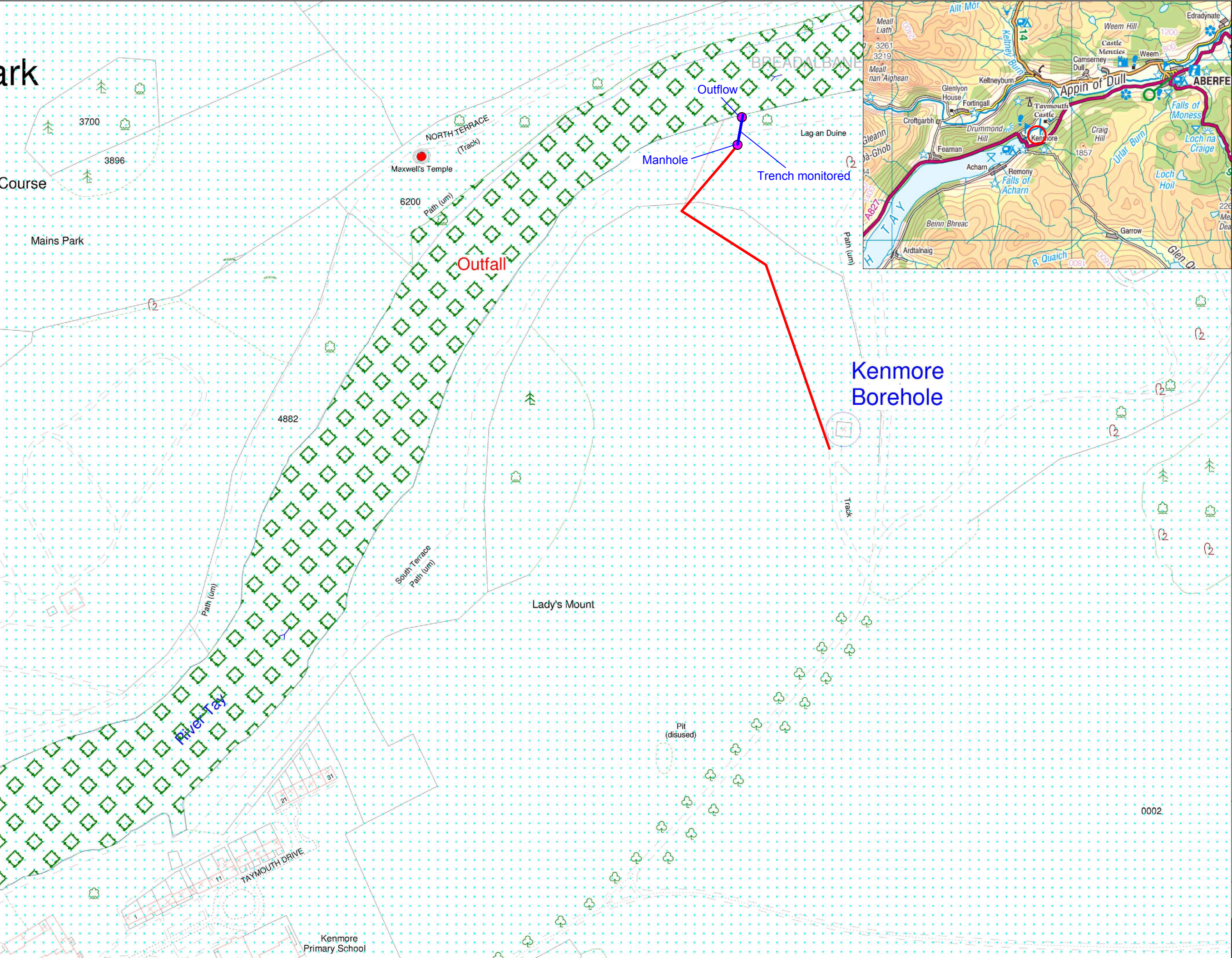
Context	Description
001	Topsoil
002	Stone revetment wall of river Tay
003	Natural: stony yellow sand
004	Natural: dark brown sand
005	Cut of linear feature
006	Fill of 005


Appendix 2: Photographic Register

Context	Description	From
001	Working shot: excavation of outflow trench	NW
002	Working shot: excavation of outflow trench	N
003	Working shot, concrete outflow channel insertion	N
004	Working shot, trench excavation for outflow pipe	N
005	Working shot, trench excavation for outflow pipe	W
006	Feature 005	W
007	Feature 005	W
008	Feature 005 with footpath in background	W

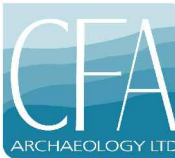
APPENDIX 3: Discovery & Excavation in Scotland Entry

LOCAL AUTHORITY:	Perth and Kinross
PROJECT TITLE/SITE NAME:	Kenmore Bore Hole Upgrade
PROJECT CODE:	BHUP
PARISH:	Kenmore
NAME OF CONTRIBUTOR:	Stuart Mitchell
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Watching Brief
NMRS NO(S):	-
SITE/MONUMENT TYPE(S):	Designed Landscape
SIGNIFICANT FINDS:	-
NGR	NN 7772 4559
START DATE (this season)	16 July 2013
END DATE (this season)	17 July 2013
PREVIOUS WORK (incl. <i>DES</i> ref.)	-
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	The excavation of a trench and outflow were subject to a watching brief. A linear ditch was revealed within the section of the trench. Its full depth was not reached by the trench. It is likely either to contain a buried service or be a boundary or drainage ditch.
PROPOSED FUTURE WORK:	Watching brief
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	Scottish Water
ADDRESS OF MAIN CONTRIBUTOR:	Old Engine House, Eskmills Business Park, Musselburgh, EH21 7PQ
EMAIL ADDRESS:	smitchell@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	National Monument Record for Scotland (NMRS) Perth & Kinross Council Sites and Monuments Record





Key:



CFA
ARCHAEOLOGY LTD

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

Fig. No:	1	Revision:	A
Title: Area monitored during watching brief			
Project: Kenmore Bore Hole, Upgrade Kenmore, Perth & Kinross, Archaeological Watching Brief			
Client: Scottish Water			
Scale at A3: 1:2000			
Drawn by:	Checked:	Report No:	
TB	MJ	3061	








Fig. 2 - Trench excavated for the new concrete outflow, looking S





Fig. 3 - Trench excavated between the Outflow and the Manhole

Fig. No: 2-3		Revision: A	Project: Kenmore Bore Hole, Upgrade Kenmore, Perth & Kinross, Archaeological Watching Brief			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: TB	Checked: MJ	Report No: 3061	Client: Scottish Water			

The copyright in this document (including its electronic form) shall remain vested in CFA Archaeology Ltd (CFA) but the Client shall have a licence to copy and use the document for the purpose for which it was provided. CFA shall not be liable for the use by any person of this document for any purpose other than that for which the same was provided by CFA. This document shall not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express written authority of CFA.



Fig. 4 - Linear feature 005 revealed in section, looking E

Fig. No: 4		Revision: A	Project: Kenmore Bore Hole, Upgrade Kenmore, Perth & Kinross, Archaeological Watching Brief			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: TB	Checked: MJ	Report No: 3061	Client: Scottish Water			

The copyright in this document (including its electronic form) shall remain vested in CFA Archaeology Ltd (CFA) but the Client shall have a licence to copy and use the document for the purpose for which it was provided. CFA shall not be liable for the use by any person of this document for any purpose other than that for which the same was provided by CFA. This document shall not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express written authority of CFA.