

CFA ARCHAEOLOGY LTD

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**Tyndrum Water Treatment Works,
Stirlingshire**

Archaeological Watching Brief

Report No. 1571

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1. INTRODUCTION

1.1 General

- 1.1.1 This report presents the results of an archaeological watching brief undertaken by CFA Archaeology Ltd (CFA) between September and October 2008, during ground breaking works for the insertion of a raw water intake and new water pipe, between Tyndrum and Dalrigh (centred NN 3350 2950) (Fig. 1)
- 1.1.2 A Written Scheme of Investigation (WSI) for the watching brief was produced by CFA on behalf of Scottish Water Solutions. The WSI was based upon a Terms of Reference supplied by Lorna Main, Stirling Council Archaeologist. The programme of work was subsequently revised following a site meeting with Lorna.

1.2 Background

- 1.2.1 A raw water intake pipe and new water pipe is being installed to the west of Dalrigh, running north towards Tyndrum. A watching brief was required in one location, at the confluence of the rivers Cononish and Crom Allt, in the immediate vicinity of the water intake and the location of a possible industrial site (NN 3402 2897, Fig. 1).
- 1.2.2 The industrial site (NMRS No. NN32NW 4), is depicted on the OS 1st Edition 6" to 1 mile map (Perthshire 1867, sheet lxxviii), and the current OS 1:10000 map (1976) as a roofless enclosure of three compartments. The NMRS notes various metal-working remains in the vicinity of the enclosure.
- 1.2.3 No previous invasive archaeological fieldwork is known to have taken place within the development area prior to this programme of archaeological works.

1.3 Objectives

- 1.3.1 The aims of the watching brief were to determine the location, character, extent and quality of any features or objects of archaeological importance that may survive within the pipeline excavation, and which may be damaged or destroyed by this development.

2. WORKING METHODS

- 2.1 CFA Archaeology Ltd follows the Institute of Field Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Watching Briefs.
- 2.2 The removal of soil deposits was carried out using a mechanical excavator equipped with a toothed ditching bucket. The removal of all deposits was carried out under constant archaeological supervision. All further works required to fulfil the terms of the brief were carried out by hand.

- 2.3 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.

3. ARCHAEOLOGICAL RESULTS

- 3.1 The work monitored consisted of a trench 4m wide, stepped in so that it was approximately 2m wide at the base, with a depth of 4-5m and a length of approximately 18m (Fig. 2). The trench crossed the Crom Allt, and passed to the south-east of the industrial site (Fig. 3).
- 3.2 Deposits removed during excavation consisted of medium-large sub-rounded alluvial river gravels and sands. These deposits shallowed at the western end of the trench near the pumping station to 2-3m deep, and overlay bedrock.
- 3.3 No features or finds of archaeological importance were recorded during the watching brief.

4. CONCLUSIONS

- 4.1 An archaeological watching brief carried out by CFA Archaeology Ltd during ground breaking works for a raw water intake and new water pipe revealed no sites or finds of archaeological importance.
- 4.2 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 Stirling Council Sites and Monuments Record (SMR).
- 4.3 A summary statement of the results of this watching brief will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 2).

5. REFERENCES

Ordnance Survey First Edition 6" map 1867, *Perthshire Sheet lxxviii*, Scale 1:10,560

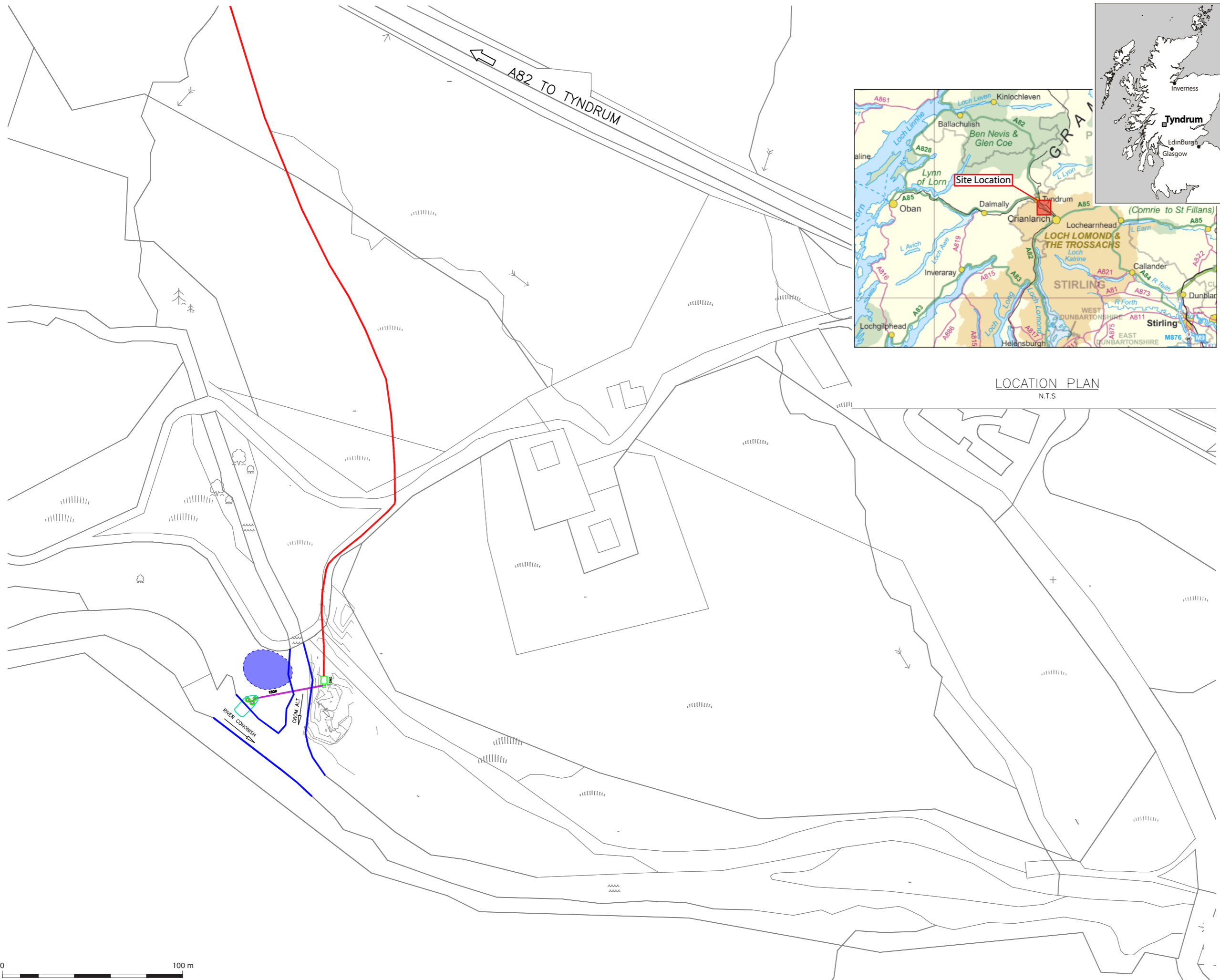
Ordnance Survey 1976 Edition, Scale 1:10000

APPENDIX 1: Digital Photographic Register

Shot	Description	Taken From	Conditions
1	General shot of trench crossing Crom Allt	N	Bright
2-3	General site shots	NE	Bright
4	General site shots	NW	Bright
5-6	Shot of trench after alluvial gravels removed	NW	Bright
7	Shot of trench during bedrock excavation	NW	Bright
8-9	Shot of trench after full excavation	NNW	Bright

APPENDIX 2: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	Stirlingshire Council
PROJECT TITLE/SITE NAME:	Tyndrum Water Treatment Works, Stirlingshire
PROJECT CODE:	TWTW
PARISH:	Killin
NAME OF CONTRIBUTOR:	Helena Gray
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Watching brief
NMRS NO(S):	NN32NW 4
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NN 33500 29500
START DATE (this season)	September 2008
END DATE (this season)	October 2008
PREVIOUS WORK (incl. DES ref.)	N/A
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	An archaeological watching brief was carried out during groundworks for a raw water intake and new water pipe between Dalrigh and Tyndrum. A watching brief was required in one location, at the southern end of the development, centred on the confluence between the rivers Cononish and Crom Allt. This part of the development lay in close proximity to an industrial metal-working site (NN32NW 4). No remains or finds relating to this site, or any other of archaeological importance, were identified.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	Scottish Water Solutions
ADDRESS OF MAIN CONTRIBUTOR:	The Old Engine House, Eskmills Park, Musselburgh, East Lothian, EH21 7PQ
EMAIL ADDRESS:	cfa@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	National Monuments Record for Scotland (NMRS) Stirlingshire Council Sites and Monuments Record (SMR)



- Key:
- Industrial metal-working site
NMRS No. NN32NW 4
 - Water Pipe Route
 - Route of Water Pipe requiring Watching Brief



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Fig. No: **1** Revision: **A**

Title:
Site Location Map

Project:
Tyndrum Water Treatment Works

Scale:
1:2,000 @ A3

Client:
Scottish Water Solutions


Drawn by:
CAE



Fig. 2 - View of Trench after full excavation



Fig. 3 - General view of site from NW

Key:	Fig. No:	2 & 3	Revision:	A	Client:	Scottish Water Solutions
	Title:					
	Project:	Tyndrum Water Treatment Works				
Scale:						 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
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