

3 June 2014

<Address>

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Attention:

Our Ref: 13-0493

**Re: Energy From Waste Facility (EFW), Eastern Creek—Archaeological Field Survey**

Dear

Following our recent correspondence sent to you regarding the above project (project methodology, 16 April 2014), on behalf of The Next Generation Pty Ltd (TNG) (the proponent), GML Heritage (GML) wishes to invite one representative from your organisation to participate in the Field Survey of the 'EFW, Eastern Creek' study area, in a paid capacity on **Friday 13 June 2014**.

We estimate that the field survey will take three hours to complete and therefore the work would only be for half the day.

Work will commence on site at 9am, and we anticipate we will be finished by midday. We will access the site via Honeycomb Drive, off Old Wallgrove Road. The meeting point is indicated in the map below and the meeting time is **8:45am**.

All site workers must comply with relevant Occupational Health and Safety rules and regulations of the site, including:

- Attendance at the GML WH&S induction on the first day of fieldwork.
- Compliance with the Safe Work Method Statement (SWMS) supplied at the WH&S induction.
- Appropriate PPE must be worn, including long sleeves, long pants, sturdy walking shoes or boots, sunhat and sunglasses. High visibility clothing and hard hats may be required and should be brought to site.
- Please bring water and morning tea/snacks as desired for yourself.
- The work we will be undertaking will be physically demanding, and as such, in addition to having appropriate experience, representatives should be physically capable of undertaking the survey.
- Persons under the influence of drugs and/or alcohol will not be permitted on to site. Smoking, alcohol consumption or the use of illicit drugs on site will not be tolerated.

**Sydney Office**

78 George Street Redfern  
NSW Australia 2016  
T +61 2 9319 4811  
F +61 2 9319 4383  
E [heritage@gml.com.au](mailto:heritage@gml.com.au)

**Canberra Office**

2A Mugga Way Red Hill  
ACT Australia 2603  
T +61 2 6273 7540  
F +61 2 6273 8114  
E [heritage@gml.com.au](mailto:heritage@gml.com.au)

**GML Heritage Pty Ltd**  
ABN 60 001 179 362

Please ensure the person to participate will be able to undertake the required tasks, without risk to themselves or other people.

TNG have advised that they are able to offer \$350 per organisation for participation in the half day field survey for this project. This is a flat rate of payment per organisation for the day's work, regardless of the number of the number of people each organisation may bring to the survey. This fee is proposed to cover all costs and out-of-pocket expenses including travel.

Invoices for this amount, following the field survey, should be sent via email or mail to:

Alexandria Landfill P/L (CAN/ABN 098 849 971) Ref  
The Next Generation NSW P/L  
32 Burrows Road  
ALEXANDRIA NSW 2015

**Attention:** Mr Ian Malouf, Managing Director

**Re:** Energy From Waste Facility, Eastern Creek—Aboriginal Archaeological Field Survey

**Email:** [ianmalouf@dadi.com.au](mailto:ianmalouf@dadi.com.au)

Please confirm your attendance at the field survey via email to [samc@gml.com.au](mailto:samc@gml.com.au) or via phone on 9319-4811.

Please make sure that your representative has a copy of this letter and is aware of the meeting location and time.

If you have any further questions about this project please do not hesitate to call or email me.

**Yours sincerely**  
**GML Heritage Pty Ltd**



**Sam Cooling**  
**Consultant Archaeologist**

17 April 2014

Office of Environment and Heritage  
Environment Protection and Regulation Group  
Aboriginal Heritage Section  
PO Box 668  
PARRAMATTA NSW 2124

Our Ref: 13-04930eh2

**Re: Energy From Waste (EFW) Plant, Eastern Creek—Aboriginal  
Registration for Community Consultation**

Dear Sir/Madam

On behalf of The Next Generation (TNG) (the proponent), in accordance with 4.1.6 of the *Aboriginal cultural heritage consultation requirements for proponents 2010*, I write to inform you of those Aboriginal people and organisations that have registered an interest in being consulted regarding the EFW Eastern Creek Archaeological Assessment project. The twelve Registered Aboriginal Parties (RAPs) for this project are:

- Darug Land Observations (DLO);
- Tocomwall;
- Darug Aboriginal Cultural Heritage Assessments;
- Koomurri Ngunawal Aboriginal Corporation;
- HSB Heritage Consultants;
- Wurrumay Consultants;
- Darug Aboriginal Landcare;
- Darug Tribal Aboriginal Corporation;
- Deerubbin Local Aboriginal Land Council;
- Kamilaroi-Yankuntjatjara Working Group;
- Gunjeewong Cultural Heritage Aboriginal Corporation; and
- Darug Custodian Aboriginal Corporation.

The current contact details we have for the aforementioned parties are listed below. Where requested by individual parties, contact details have been omitted from the table below.

An example of the notification letter sent to Aboriginal parties identified through contacting relevant statutory authorities, and the proof of the local

**Sydney Office**

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E [heritage@gml.com.au](mailto:heritage@gml.com.au)

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E [heritage@gml.com.au](mailto:heritage@gml.com.au)

**GML Heritage Pty Ltd**

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newspaper advertisement displayed on the 21 March 2013, are attached to this letter.

RAP	Address	Phone 1	Phone 2	Email	Fax (other)
DACHA Mr Gordon Morton	90 Hermitage Road, KURRAJONG HILLS NSW 2758	(02) 4567 7421	0422 865 831	N/A	(02) 4567 7421
DALC Mr Des Dyer	18a Perigee Close, DOONSIDE NSW 2767	0408 360 814		<a href="mailto:desmond4552@hotmail.com">desmond4552@hotmail.com</a>	
DCAC Ms Leanne Watson	PO BOX 81 WINDSOR NSW 2756	(02) 4577 5181	0415 770 163	<a href="mailto:mulgokiwi@bigpond.com">mulgokiwi@bigpond.com</a>	
DLO Mr Gordon Workman	PO BOX 571, PLUMPTON NSW 2761	(02) 9831 8868	0415 663 763	<a href="mailto:gordow51@bigpond.net.au">gordow51@bigpond.net.au</a>	
DTAC Mr John Reilly	PO Box 441 BLACKTOWN NSW 2148	0402 334 123		<a href="mailto:jmreilly228@gmail.com">jmreilly228@gmail.com</a> <a href="mailto:darug_tribal@live.com.au">darug_tribal@live.com.au</a>	
DLALC Mr Steve Randall	Level 1, Suite 3, 291-295 High Street PENRITH NSW 2750 PO BOX 40 PENRITH NSW 2751	(02) 4724 5600	0417 219 174	<a href="mailto:SRandall@deerubbin.org.au">SRandall@deerubbin.org.au</a>	
Tocomwall Mr Scott Franks	PO BOX 76 CARINGBAH NSW 1495	(02) 9542 7714	0404 171 544	<a href="mailto:scott@tocomwall.com.au">scott@tocomwall.com.au</a>	
Wurrumay Consultants Ms Kerrie Slater	89 Pyramid Street EMU PLAINS NSW 2750	0423 935 556		<a href="mailto:Wurrumay@hotmail.com">Wurrumay@hotmail.com</a>	
HSB Heritage Consultants Ms Patricia Hampton	62 Ropes Crossing Boulevard, ROPES CROSSING NSW 2760	0424 142 216		<a href="mailto:hsb_heritageconsultants@mail.com">hsb_heritageconsultants@mail.com</a>	
Kamilaroi- Yankuntjatjara Working Group Mr Phil Khan	78 Forbes Street EMU PLAINS NSW 2750	0434 545 982		<a href="mailto:Philipkhan.acn@live.com.au">Philipkhan.acn@live.com.au</a> (Prefer phone or mail contact)	
Gunjeewong Cultural Heritage Aboriginal Corporation Ms Cherie Carroll Turrise	1 Bellvue Place PORTLAND NSW 2847	0438 428 805		<a href="mailto:julieschroder@live.com.au">julieschroder@live.com.au</a>	


Koomurri  
Ngunawal  
Aboriginal  
Corporation  
Mr Glen Freeman

PO BOX 356  
DOONSIDE NSW 2767

0451 790 215

[KoomurriNAC@hotmail.com](mailto:KoomurriNAC@hotmail.com)

**Yours sincerely**  
**GML Heritage Pty Ltd**



**Sam Cooling**  
**Consultant Archaeologist**

**Attachments:**

- Example Notification Letter
- Local Newspaper Advertisement Proof

28 March 2014

Deerubbin Local Aboriginal Land Council  
2/9 Tindale Street  
PENRITH NSW 2750

Attention: Mr Kevin Cavanagh

Our Ref: 13-0493dlalcc2

**Re: Aboriginal registration for Community Consultation—EFW Eastern Creek Aboriginal Assessment**

Dear Mr Cavanagh,

On behalf of The Next Generation NSW Pty Ltd (TNG) (the proponent), GML Heritage (GML) seek registration from local Aboriginal groups and people with respect to the assessment and future development of this land. The project entails the development of an Energy from Waste (EFW) electricity generation plant at Eastern Creek. The EFW project is being assessed under the Environmental Planning and Assessment Act as a State Significant Development (SSD) Project and will not require an Aboriginal Heritage Impact Permit in accordance with Part 6 of the *National Parks and Wildlife Act 1974*. However the Director General Environmental Assessment Requirements (DG EARs) for the project require the preparation of an Environmental Impact Statement (EIS) including compliance with relevant statutory guidelines for Aboriginal Community Consultation in NSW (ie OEH guidelines *Aboriginal cultural heritage consultation requirements for proponents 2010*).

The proposed development involves the construction of the EFW facility, as well as internal roadways, amenities and ablutions, parking facilities, and water detention basins.

The land subject to assessment is located at Eastern Creek, Lots 2 and 3 in DP 1145808, within the Blacktown LGA, as marked on the map below (the study area). The exact location for the EFW facility is yet to be finalised, but will be located in the south of the study area.

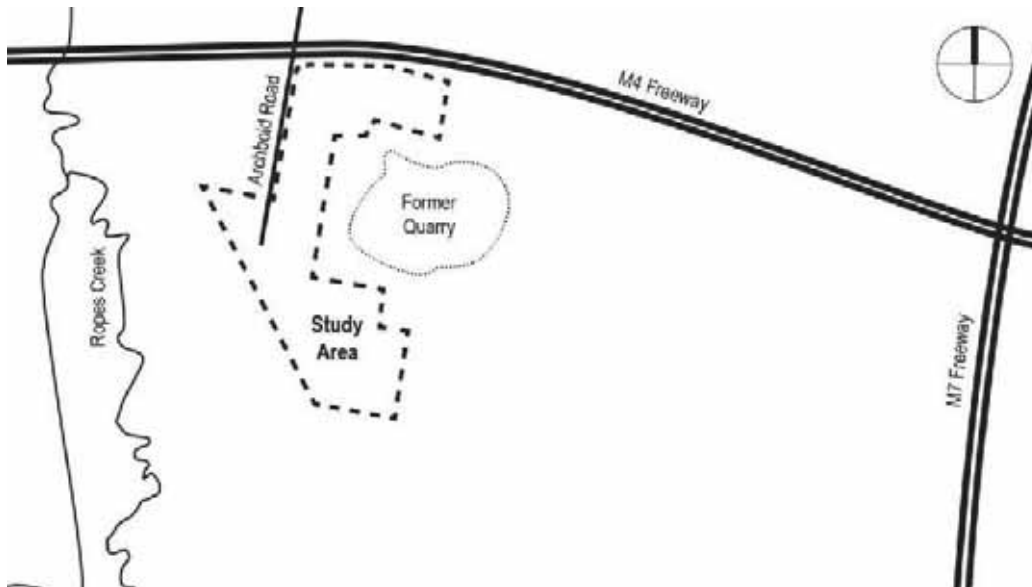
**Sydney Office**

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In accordance with the OEH guidelines 'Aboriginal cultural heritage consultation requirements for proponents 2010' (DECCW, 2010), this is an invitation for 'Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places in the area of the proposed project to register an interest in a process of community consultation' with TNG and GML regarding the project. Should you wish to register an interest in the project, please send written confirmation to:

Jane McMahon/Sam Cooling  
GML Heritage  
78 George Street  
REDFERN NSW 2016

Alternatively registration can be emailed to [janem@gml.com.au](mailto:janem@gml.com.au) or [samc@gml.com.au](mailto:samc@gml.com.au) or faxed to GML on 02 9319 4383.

Submissions should be marked '13-0493-EFW Eastern Creek' and confirm the name and contact details of the contact person or representative for your organisation or group. Registrations of interest will close on 11 April 2014.

Please be advised that if you register an interest in the project, your details will be forwarded to OEH and the LALC unless you specify that you do not want your details released.

If you have any questions about this project please call me on 9319 4811.

**Yours sincerely**  
**GML Heritage Pty Ltd**

**Sam Cooling**  
**Consultant Archaeologist**



# Classifieds

## Recreation and Activity Officers

Permanent Part-Time supporting elderly people in Residential (Dementia Specific)

Our Lady of Consolation Aged Care Services Ltd operates a residential aged care campus for 300 elderly people at Ruffy Hill and provides community care services across the Western Sydney region to over 2000 elderly people to help them live their lives better. We have an exciting opportunity for Recreation and Activity Officers (RACOs) Dementia Specific to join our team and provide a range of services to our residents. The RACOs will be responsible for the development, implementation and evaluation of recreational and activity programs for residents with dementia. The successful applicant will need to have dementia experience, to be flexible and able to adapt to the range of needs of individual residents. The successful applicant will also need to have a degree in Recreation Management or a related field. The successful applicant will also need to have a degree in Recreation Management or a related field. The successful applicant will also need to have a degree in Recreation Management or a related field.

The successful applicant will need to be able to demonstrate a genuine interest in elderly people, be creative, initiative, flexible and adaptive, and have a degree of autonomy and responsibility in a job. If this describes you, we will actively support you, and we can guarantee that you will find the best job in the industry.

We will need to be able to work within a philosophy of care that promotes the dignity of elderly people. Comprehensive orientation and training will be provided to the successful candidate. A knowledge of and/or experience in providing leisure activities tailored for a variety of individuals including those with dementia will be highly regarded.

Please visit the employment section of our website [www.alsacare.com.au](http://www.alsacare.com.au) for a copy of the selection process and standard application form.

For more information please call Jenny Fyfe on 9632 5118 between 9am and 5pm or Monday to Friday 9am to 5pm.

Send applications to: Ms. Jenny Fyfe, Senior Manager, Our Lady of Consolation Aged Care Services Ltd, 30 Evelyn Road, Ruffy Hill NSW 2166.

Applications close: Monday 27 March 2014.

Our Lady of Consolation Aged Care Services Ltd is an EEO employer.

## NOTICE BOARD

### Psychic, mediums / astrology

### AFRICAN

### CLAIRVOYANT

### FAMILY NOTICES

### Celebrants

### GENERAL FOR SALE

### Furniture & Home Furnishings

### Wardrobes

### General

### BURIAL

### CREMATION

### DOORS

### FIREGLASS

### FRIDGES

### HOSPITAL

### IRITES

## General

### SPIT

### Household items & Appliances

### AIR CONDITIONER

### Wanted to buy

### CARAVANS

### Garage Sales

### Hope Garage Sale

### GLENVIEW

### MARAYONG

### Combined Sale

### QUAKERS HILL

### Moving Sale

### HOUSE HILL

### Moving Sale

### FRIDGES

### HOSPITAL

### IRITES

## Garage Sales

### WENTWORTHVILLE

### WILLOW

### REAL ESTATE

### COASTAL

### BARGAIN

### Share accommodation

### BLACKTOWN

### CULTON

### DOONDIS

### PUNNETT

### TOONGARRIE

### WOODCROFT

### Properties to let

### BLACKTOWN

### WESTERN SYDNEY

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## EFW Eastern Creek Project-Registration for Aboriginal Community Consultation

On behalf of The Next Generation NSW Pty Ltd (TNG) (the proponent), GML Heritage seek registration from local Aboriginal individuals and groups with respect to the future development of the Energy from Waste (EFW), Eastern Creek project which entails the development of an electricity generation plant at Eastern Creek. The area to be assessed is located at Eastern Creek, Lots 2 and 3 in DP 1145808, south of the M4, east of Ropes Creek, west of the former Pioneer Quarry, and bounded to the west by Archbold Road.

The EFW project is being assessed under the Environmental Planning and Assessment Act as a State Significant Development Project and will not require an Aboriginal Heritage Impact Permit in accordance with Part 6 of the National Parks and Wildlife Act 1974. However the Director General Environmental Assessment Requirements for the project require the preparation of an Environmental Impact Statement, a component of which includes Aboriginal community consultation in accordance with relevant statutory guidelines for Aboriginal Community Consultation in NSW (ie OEH guidelines Aboriginal cultural heritage consultation requirements for proponents 2010).

To register please contact GML Heritage by 1 April 2014. Written registration should be marked 'EFW-Eastern Creek' and sent to: Jane McMahon, GML Heritage, 78 George Street, Redfern NSW 2016. Registrations can also be made by email ([janem@gml.com.au](mailto:janem@gml.com.au) or [samec@gml.com.au](mailto:samec@gml.com.au)) or faxed to GML at 02 9319 4811.

Please be advised that the details of all parties who register an interest will be forwarded to OEH and the Local Aboriginal Land Council unless specified otherwise.

## Sit down. Relax.



Catch up on the local conversation, turn to our News section.

NEWS LOCAL

## CLASSIFIEDS 47

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## Aboriginal Consultation Log—Energy From Waste (EFW) Plant, Eastern Creek

### Stage 1—Notification of project proposal and registration of interest

#### Stage 1.1—Compilation of a list of Aboriginal stakeholders

Body/Group	Contact	Date Sent	Date Reply	Comment	Reference
OEI Planning and Aboriginal Heritage Section, Parramatta	Ms Susan Harrison	17 March 2014	25 March 2014	Letter from Ms Fran Scully. List of Aboriginal stakeholders known to OEI that may have an interest in the project. 'As the Department of Planning and Infrastructure (DP&I) is the approval authority for this project, the consultation process should be in accordance with the relevant guidelines as stipulated by DP&I.'	13-0493oei1  FIL14/2019
Deerubbin Local Aboriginal Land Council (DLALC)	Mr Kevin Cavanagh (CEO) / Mr Steve Randall	17 March 2014	4 April 2014		13-0493dlalc1
The Registrar, <i>Aboriginal Lands Right Act 1983</i>	Ms Megan Mebberson	17 March 2014			13-0493alra1
National Native Title Tribunal (NNTT)	Ms Kimberley Wilson	17 March 2014	25 March 2014	No native title claimants are registered in the area.	13-0493nntt1
					6104/14MO
Native Title Services Corporation (NTSCORP Limited)	Mr Warren Mundine (CEO)	17 March 2014	19 March 2014	'NTSCorp's privacy guidelines restrict us from providing proponents with contact details of traditional owners. However we will forward your correspondence to any individuals, groups or organisations, whom NTSCORP is aware assert traditional interests within, or hold cultural knowledge about the relevant area.' (Letter)	13-0493ntscoop1  OE&H :19-3-14/3
Blacktown City Council	The General Manager	17 March 2014	4 April 2014	JM called Sue Galt 3.4.14. List sent	13-0493bcc1
Hawkesbury Nepean Catchment Management Authority (HNCMA)		17 March 2014			13-0493hncma1

Approximately 10 days should be allowed for these groups to respond.

### Stage 1.2—Newspaper Advert

Newspaper	Date Sent	Date Printed	Reference
Blacktown Advocate	17 March 2014	19 March 2014	Blacktown Advocate, Page #47

14 days (4 April 2014) must be allowed for Aboriginal people to respond to the newspaper advertisement.

### Stage 1.3—List of Aboriginal groups/people from Stage 1.1 and 1.2.

Organisation/Person	Contact	Date Registered	How the name was obtained and any comments	Reference
Darug Land Observations (DLO)	Mr Gordon Workman	20 March 2014	Email letter response to newspaper advert. Sent to Jane McMahon.	
Tocomwall	Mr Scott Franks	21 March 2014	Email letter response to newspaper advert. Sent to Jane McMahon and Sam Cooling.	
Deerubbin Local Aboriginal Land Council	Mr Kevin Cavanagh		OEHL letter.	
Darug Custodial Aboriginal Corporation	Ms Leanne Watson		OEHL letter.	
Darug Tribal Aboriginal Corporation	Ms Sandra Lee		OEHL letter.	
Darug Aboriginal Cultural Heritage Assessments	Mr Gordon Morton (Ms Celestine Everingham)	28 March 2014	OEHL letter. Ms Celestine Everingham rang Sam Cooling 28 March 2014 to verbally register for project.	
Darug Aboriginal Landcare Inc	Mr Des Dyer		OEHL letter.	
Gunjeewong Cultural Heritage Aboriginal Corporation	Ms Cherie Carroll Turrise		OEHL letter.	
Amanda Hickey Cultural Services	Ms Amanda Hickey		OEHL letter.	

Mr Phil Khan	Mr Phil Khan	OEH letter.	
Warragil Cultural Services	Mr Aaron Slater	OEH letter.	
Wurumay Consultancy	Ms Kerrie Slater	OEH letter.	
HSB Heritage Consultants	Ms Patricia Hampton	OEH letter.	
Koomurri Ngunawal Aboriginal Corporation	Glen Freeman	Email letter response to newspaper advert. Sent to Jane McMahon.	

### Stage 1.4—Aboriginal notification of the proposed project and an offer to be involved in the consultation

Aboriginal Organisation/Person	Contact	Date Sent	Reference
Deerubbin Local Aboriginal Land Council	Mr Kevin Cavanagh	Registered Post. 28 March 2014	13-0493dlalcc2
Darug Custodial Aboriginal Corporation	Ms Leanne Watson	Registered Post. 28 March 2014	13-0493dcacc1
Darug Tribal Aboriginal Corporation	Ms Sandra Lee	Registered Post. 28 March 2014	13-0493dlacc1
Darug Aboriginal Landcare Inc	Mr Des Dyer	Registered Post. 28 March 2014	13-0493dalic1
Gunjeewong Cultural Heritage Aboriginal Corporation	Ms Cherie Carroll Turrise	Registered Post. 28 March 2014	13-0493gchaoc1
Amanda Hickey Cultural Services	Ms Amanda Hickey	Registered Post. 28 March 2014	13-0493ahosc1
Mr Phil Khan	Mr Phil Khan	Registered Post. 28 March 2014	13-0493pkc1
Warragil Cultural Services	Mr Aaron Slater	Registered Post. 28 March 2014	13-0493wcsc1
Wurumay Consultancy	Ms Kerrie Slater	Registered Post. 28 March 2014	13-0493wcc1
HSB Heritage Consultants	Ms Patricia Hampton	Registered Post. 28 March 2014	13-0493hhcc1

14 days (11 April 2014) must be allowed for Aboriginal people to register an interest to be consulted.

### Stage 1.5—Registered Aboriginal Parties (RAP) Contact Details

Aboriginal Organisation/Person	Contact	Date Received and comments	Reference
Darug Land Observations (DLO)	Mr Gordon Workman	20.3.14. Email letter of registration.	
Tocomwall	Mr Scott Franks	21.3.14. Email letter of registration.	
Darug Aboriginal Cultural Heritage Assessments (DACHA)	Mr Gordon Morton Ms Celestine Everingham (primary address)	28.3.14. Phone call to SC to register interest for project.	
Koomurri Ngunawal Aboriginal Corporation	Mr Glen Freeman	31.3.14 Email letter of registration.	
HSB Heritage Consultant	Ms Patricia Hampton	31.3.14 Email letter of registration. Requested details not forwarded to LALC.	
Wurrumay Consultancy	Ms Kerrie Slater	31.3.14 Email letter of registration.	
Darug Aboriginal Landcare	Mr Des Dyer	1.4.14 Email letter of registration.	
Darug Tribal Aboriginal Corporation	Mr John Reilly	4.4.14 Phone call to SM to register interest for project	
Deerubbin Local Aboriginal Land Council (DLALC)	Mr Steve Randall	4.4.14 Email letter of registration.	
Kamiloroi-Yankunijatiara Working Group	Mr Phil Khan	3.4.14 Letter of registration	
Gunjeewong Cultural Heritage Aboriginal Corporation	Ms Cherie Carroll Turrise	7.4.14 Letter of registration	
Darug Custodial Aboriginal Corporation	Ms Leanne Watson	9.4.14 Email letter of registration.	

The proponent must provide a copy of the registered Aboriginal parties to the OEH and the LALC within 28 days of the closing data for registering an interest. This was mailed on 17 April 2014.

**Stage 2—Presentation of information about the proposed project**  
**Stages 2.1 and 2.2—Presentation of proposed project information and provision of proposed assessment methodology to the RAP**

Aboriginal Organisation/Person	Date Sent	Date Reply	Comments, outcomes and/or issues and details of how input has been considered	Reference
Darug Land Observations (DLO)	16 April 2014			Registered Post 51000001548017 13-0493dlcc2
Tocomwall	16 April 2014			Registered Post 51000001543012 13-0493tc1
Darug Aboriginal Cultural Heritage Assessments (DACHA)	16 April 2014			Registered Post 5100000002015 13-0493dachac2
Koomurri Ngunawal Aboriginal Corporation	16 April 2014			Registered Post 51000001545016 13-0493knacc2
HSB Heritage Consultant	16 April 2014	28 April 2014	Email. Has read through the project information and assessment methodology and happy to proceed with the project. Wishes to be involved in any archaeological survey.	Registered Post 51000001546013 13-0493hhcc2
Wurumay Consultancy	16 April 2014			Registered Post 51000001542015 13-0493wccc2
Darug Aboriginal Landcare	16 April 2014			Registered Post 51000000001018 13-0493dalcc2



Darug Tribal Aboriginal Corporation	17 April 2014	6 May 2014	Phone call, Mr John Reilly to SC. DTAC agree with methodology. Noted there were quite a few RAPs registered, concerned as they are not from Country  Concern with non-Darug people, people 'without permission' participating in fieldwork, particularly test excavations and disturbing the ground  'DTAC would support the understanding that only Darug persons should be on Darug Country, such as fieldwork and test excavation'	Registered Post 13-0493dtacc2
Deerubbin Local Aboriginal Land Council (DLALC)	16 April 2014			Registered Post 51000001549014 13-0493dlalcc3
Kamiloroi-Yankunijatiara Working Group	16 April 2014	1 May 2014	Phone call, Mr Phil Khan to SC. Agrees with the methodology, enquired as to when fieldwork would start.	Registered Post 51000001544019 13-0493kywcc1
Gunjeewong Cultural Heritage Aboriginal Corporation	16 April 2014			Registered Post 51000001547010 13-0493gchacc2
Darug Custodial Aboriginal Corporation	16 April 2014	5 May 2014	Comments regarding nature of site, "recommend that the connections are interpreted throughout the project", and there are still numerous parts of our histories to be recorded". Concerns regarding number of groups for consultation with groups not from the area, states "we do not support personal profit groups and also do not support any input that they have into the recommendations"	Registered Post 51000001550010 13-0493dcacc2

The record of agreed outcomes and/or contentious issues should be supplied to all registered Aboriginal parties.

### Stage 2.3—Field Survey or opportunity for RAP to visit the proposed project site (13 June 2014)

RAP	Invitation to Survey	Representative Attended	Comments
Darug Land Observations (DLO)	Phone call to GW 3.6.14. Available on 13.6.14. Email 10.6.14	Mr Gordon Workman Mr Paul Goddard	

Tocomwall	Left msg 3.6.14. Spoke to Danny 4.6.14, available on 13.6.14 Email 10.6.14 to Danny, Scott and Sarah	Ms Jen Norfolk	
Darug Aboriginal Cultural Heritage Assessments (DACHA)	Phone call to CE 3.6.14. Available on 13.6.14 Fax 10.6.14	Mr Gordon Morton	
Darug Aboriginal Landcare	Left msg 3.6.14. Spoke to Des 5.6.14, available on 13.6.14. Email 10.6.14 to Des.	Mr Des Dyer	
Darug Tribal Aboriginal Corporation	Phone call to JR 3.6.14. Available on 13.6.14 Email to John 10.6.14	Mr John Reilly	
Deerubbin Local Aboriginal Land Council (DLALC)	Phone call to SR 3.6.14. Available on 13.6.14 Email to Steve 10.6.14	<i>No representative sent.</i>	
Kamiloroi-Yankunijatiara Working Group	Phone call to PK 3.6.14. Available on 13.6.14 Email to Phil 10.6.14	Mr Phil Khan	
Darug Custodial Aboriginal Corporation	Left msg 3.6.14 Email to Leanne 10.6.14	Ms Tylan Blunden	

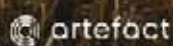
# APPENDIX C

ARTEFACT 2014 - ARCHAEOLOGICAL TEST EXCAVATION REPORT

# Energy from Waste Facility, Eastern Creek

Aboriginal Heritage Test Excavation  
Report

Report to Urbis  
November 2014



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## EXECUTIVE SUMMARY

The Next Generation NSW (the Proponent), propose to develop an Energy from Waste (EFW) facility at Eastern Creek. The proposed EFW works will include the construction of an Electricity Generation Plant; with ancillary works related to the preparation and subsequent operation of the EFW. The works will be located within Lots 2 and 3 of DP1145808, in the Blacktown City Council Local Government Area (LGA). The subject site is bounded by the M4 Western Motorway, the Hanson Wallgrove Quarry, Transmission line easement and Archbold Road.

An Aboriginal Archaeological Technical Report (ATR) and Aboriginal Cultural Heritage Assessment Report (ACHAR) were prepared by Godden Mackay Logan (GML) in 2014 for the Eastern Creek EFT Facility Environmental Impact Statement (EIS). GML identified one area of moderate archaeological potential and two areas of high archaeological potential (2014a:40). However only one of these areas of archaeological potential will be directly impacted by the proposed works. The area is known as EFW South, and is located on an elevated area at the confluence of three waterlines in the southeast corner of the subject site. Therefore GML recommended that an archaeological test excavation to assess the nature, extent, condition and integrity of the site (2014a:49).

Artefact Heritage have been engaged by Urbis to complete the archaeological test excavation of Aboriginal site EFW South. The ATR report completed by GML (2014a) recommended that the test excavation be completed according to the *OEH Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (Code of Practice). As the project has been declared to be SSD by a State Environmental Planning Policy (SEPP); use of the Code of Practice is not required. However, the test excavation was completed in accordance with the Code of Practice; as a large number of previous archaeological test excavations in the region have been completed under the Code of Practice therefore it is an applicable framework to use for comparative analysis of archaeological findings. It also adheres to the recommendation provided by GML (2014a).

Test excavation at EFW South involved the excavation of thirty-seven 500 x 500 mm excavation units distributed in transects to sample the three areas of archaeological potential that make up the EFW South PAD. The excavation units consisted of thirty-three individual 500x500 mm test pits, and four 500x500 mm test pits combined to make up a 1x1 m test pit. In general, excavation units were based on a fifteen metre grid; however spacing between excavation units was altered in some areas, due to the presence of waterlines and vegetation. As the identification of EFW South as a PAD is based on the confluence of waterlines; the excavation unit locations targeted the raised areas of land in proximity to the confluence.

Test excavation of PAD site EFW South retrieved an assemblage of fourteen artefacts from nine of the thirty-seven 500x500 mm excavation units. The total area excavated 18.5m<sup>2</sup>; with an artefact density of 0.76 artefacts/m<sup>2</sup>. The artefact assemblage was made up of stone artefacts composed entirely of silcrete (n=14, 100%); which ranged from orange to red in colour. Technological categories represented in the assemblage included: angular fragments (n=7, 50%), distal flakes (n=4, 29%), complete flakes (n=2, 14%) and a proximal flake (n=1, 7%). No tools, retouched artefacts or cores were noted in the assemblage. The assemblage is indicative of general stone reduction and casual discard. The artefacts identified during test excavation offer low research or educational value. All material recovered the same quality silcrete raw material and artefacts were waste flakes, with very little technical diversity.

The results reflect a mostly diffuse (slight concentration within north central portion of Area 2), low density artefact scatter which most likely reflect intermittent use of the area. While being located close to water sources, the area would be prone to flooding. There are higher slopes and crests in the nearby region that would be preferable camp sites; as they would offer a view of the terrain and drier camping place.



The test excavation results fit the predictive model based on information available in the local context on the distribution of artefacts in similar landscape settings. Previous surface and sub-surface archaeological investigations in the area identified high concentrations of artefacts adjacent to major waterlines in the area (Ropes Creek and Eastern Creek); with a drop in artefact density in the transitional land between them. The landscape located between the waterlines having mostly background scatter. The artefacts identified adhere to the local model; and are therefore common within the local context and have limited research potential.

The following recommendations were based on consideration of:

- Statutory requirements under the EP&A Act 1979.
- The requirements of the DGRs.
- The results of background research, archaeological test excavation and assessment.
- The likely impacts of the proposed development.
- The interests of Aboriginal stakeholders.

It was found that:

- EFW South is a low density artefact scatter – a site type that is common within a local and regional context on the Cumberland Plain is of low archaeological significance. The proposed EFW Facility will have a direct impact on site EFW South.

It is therefore recommended that:

- No further archaeological investigation of site EFW South is necessary as it is of low archaeological significance.
- The ACHAR prepared by GML would be updated outlining the results of the additional Aboriginal consultation, test excavations and proposed impacts to the significance of Aboriginal heritage values of all identified Aboriginal sites within the study area.
- The retrieved artefact assemblage should be reburied at a nearby location within the study area that will not be impacted by any future development works. Consultation regarding this will be conducted as part of the Aboriginal stakeholder review of the ACHAR. The reburial site would be determined through consultation with the proponent and the registered Aboriginal stakeholders. A site update card should be forwarded to the OEH AHIMS Registrar with information on the location and depth of reburial.
- An Aboriginal Site Impact Recording Form must be completed and submitted to the OEH AHIMS Registrar within four months of completion of the authorised development works.

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## 1.0 INTRODUCTION AND BACKGROUND

### 1.1 Introduction

The Next Generation NSW (the Proponent), propose to develop an Energy from Waste (EFW) facility at Eastern Creek. The proposed EFW works will include the construction of an Electricity Generation Plant; with ancillary works related to the preparation and subsequent operation of the EFW. The works will be located within Lots 2 and 3 of DP1145808, in the Blacktown City Council Local Government Area (LGA). The subject site is bounded by the M4 Western Motorway, the Hanson Wallgrove Quarry, transmission line easement and Archbold Road (Figure 1)

An Aboriginal Archaeological Technical Report (ATR) and Aboriginal Cultural Heritage Assessment Report (ACHAR) were prepared by Godden Mackay Logan (GML) in 2014 for the Eastern Creek EFT Facility Environmental Impact Statement (EIS). GML identified one area of moderate archaeological potential and two areas of high archaeological potential (2014a:40). However, only one of these areas of archaeological potential will be directly impacted by the proposed works. The area is known as EFW South, and is located on an elevated area at the confluence of three waterlines in the southeast corner of the subject site (Figure 2). Therefore GML recommended that an archaeological test excavation was required to assess the nature, extent, condition and integrity of the site (2014a:49).

Following the preparation of a test excavation methodology (Artefact 2014) for EFW South, archaeological test excavation was conducted over a period of four days at the proposed EFW Facility. This report outlines the results of archaeological investigations.

### 1.2 Proposed Development

The proposed development involves the construction and operation of an Electricity Generation Plant. The proposal will result in an Energy from Waste Plant using as fuel, residual waste which would otherwise be land filled, to allow for a 'green' electricity generation facility. The plant, powered by residual waste fuel, will have a capacity for up to 1.35 million tonnes of waste material.

Further to the EFW Facility, the proposal includes the adoption of a plan of subdivision (Figure 3) and the following ancillary works:

- Earthworks associated with the balance of the site
- Internal roadways
- Provision of a direct underpass connection (Precast Arch and Conveyor Culvert) between TNG Facility and the Genesis Xero Waste Facility
- Staff amenities and ablutions;
- Staff car parking facilities
- Water detention and treatment basins
- Services (Sewerage, Water Supply, Communications, Power Supply).

### 1.3 Investigators and Contributors

Alexander Timms, Archaeologist at Artefact Heritage, prepared this report with management input from Principal Archaeologist Dr Sandra Wallace.

Figure 1: General location of study area





Figure 2: Areas of archaeological potential as identified by GML (2014a)







## 2.0 LEGISLATIVE CONTEXT

### **National Parks and Wildlife Act (1974) (NPW Act)**

The NPW Act, administered by the OEH provides statutory protection for all Aboriginal 'objects' (consisting of any material evidence of the Aboriginal occupation of NSW) under Section 90 of the Act, and for 'Aboriginal Places' (areas of cultural significance to the Aboriginal community) under Section 84.

The protection provided to Aboriginal objects applies irrespective of the level of their significance or issues of land tenure. However, areas are only gazetted as Aboriginal Places if the Minister is satisfied that sufficient evidence exists to demonstrate that the location was and/or is, of special significance to Aboriginal culture.

The NPW Act was amended in 2010 and as a result the legislative structure for seeking permission to impact on heritage items has changed. A Section 90 permit is now the only Aboriginal Heritage Impact Permit (AHIP) available and is granted by the OEH. Various factors are considered by OEH in the AHIP application process, such as site significance, Aboriginal consultation requirements, ESD principles, project justification and consideration of alternatives. The penalties and fines for damaging or defacing an Aboriginal object have also increased.

As this project is being assessed under Part 4 Division 4.1 of the EP&A Act 1979 permits issued under the NPW Act 1974 are not required.

### **Environmental Planning & Assessment Act (1979) (EP&A Act)**

The proposal will be assessed under Part 4, Division 4.1 of the EP&A Act, which establishes an assessment and approval regime for State Significant Development (SSD). Part 4, Division 4.1 applies to development that is declared to be SSD by a State Environmental Planning Policy (SEPP). Section 89J of the EP&A Act specifies that approvals or permits under section 90 of the NPW Act 1974 are not required for approved SSD. However the ATR (GML 2014a) recommended that the test excavation be completed according to the OEH *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW*.



### 3.0 ABORIGINAL CONSULTATION

Aboriginal stakeholder consultation for the Eastern Creek EFW facility project was commenced by GML on behalf of The Next Generation NSW (the proponent). Consultation was conducted in accordance with the Department of Environment and Conservation (now OEH) *Aboriginal cultural heritage consultation requirements for proponents 2010*. Twelve Aboriginal stakeholders have registered for consultation throughout the project, including:

- Darug Land Observations (DLO)
- Tocomwall
- Darug Aboriginal Cultural Heritage Assessments (DACHA)
- Koomurri Ngunawal Aboriginal Corporation (KNAC)
- HSB Heritage Consultants (HHC)
- Wurrumay Consultants
- Darug Aboriginal Landcare (DALC)
- Darug Tribal Aboriginal Corporation (DTAC)
- Deerubbin Local Aboriginal Land Council (DLALC)
- Kamilaroi-Yankuntjatjara Working Group (KYWC)
- Gunjeewong Cultural Heritage Aboriginal Corporation (GCHAC)
- Darug Custodian Aboriginal Corporation (DCAC)

A consultation log is maintained detailing correspondence with the Aboriginal stakeholder groups. For the full consultation log maintained by GML see the ACHAR (GML 2014b).

The Test Excavation Methodology was sent by Artefact Heritage to all registered Aboriginal stakeholders for comment on 8 October 2014. Glen Freeman indicated that KNAC had no issues with the methodology. Des Dyer indicated that DALC agreed with the recommendations and methodology and would like to see a plan of management put in place to rebury artefacts somewhere close by, once the development is completed.

Test excavation was conducted over four days from Monday 3 November to Thursday 6 November 2014. For a list of participants please refer to Section 6.1.

## 4.0 BACKGROUND CONTEXT

### 4.1 Environmental Context

The study area is located on the undulating floodplain between Ropes Creek (450 metres to the west) and Eastern Creek (2.7 kilometres to the east). The study area is made up of low elevation undulating land, with a slight ridge in the running north-south through the southeast portion of the study area. There are also a number of gentle slopes in the northwest and north portions of the study area, associated with low hills outside of the study area. To the west the terrain flattens out towards the floodplain. Overall, the landform units within the study area range from alluvial flats, to gentle ridges, slopes and gullies.

The underlying geology of the study area consists of late Triassic period Bringelly shale deposits; which consists of shale, claystone, laminate, lithic sandstone, rare coal and tuff (Clark and Jones 1991). The study area is within the Blacktown soil landscape; which generally consists of shallow duplex soils over a clay base.

### 4.2 Sub-surface Archaeological Investigation in the Local Area

Dominic Steele (2003) conducted test excavations across the proposed Wonderland Business Park; located approximately 1.5 kilometres to the east of the current study area. Excavations comprised a total of twenty 1x1 metre test pits arranged in two main transects that sampled a number of landforms; including a minor hill crest, slopes and creek flats of a small Eastern Creek tributary. The archaeological assessment identified a high ratio of surface to subsurface artefacts; as thirty surface artefacts were identified and only five artefacts were identified during subsurface testing. Only eight of the artefacts were identified as having diagnostic attributes of the reduction sequence, with the rest consisting of the assemblage being fragmented by post depositional effects causing breaking and shattering (Steele 2003:42). The dominant raw material identified was silcrete (77.5%) followed by quartz (10%) and tuff (7.5%). A potential ground axe and pebble fragment were also identified, manufactured from volcanic material. Steele (2003) concluded that the assemblage consisted of background scatter, related to sporadic landuse of Aboriginal people moving between the two principle creek lines in the area, being Ropes Creek and Eastern Creek.

Jo MacDonald CHM (2006) completed archaeological test excavations at the Wonderland Surplus Land, which is the adjacent property to the east of the current study area. Two PAD sites, identified by an earlier study (JMcD 2006), were targeted under the subsurface testing programme; including EC3/1 and EC3/2. The PAD sites covered a low ridge top (EC3/2) and hill slope (EC3/1). Testing methodology involved dispersed 1x1 metre test pits placed across the PADs; with areas of concentrated artefact density being extended into open area excavations. The open area excavation at EC3/1 covered 121m<sup>2</sup> and 151m<sup>2</sup> at EC3/2. A total of 1550 lithic artefacts were identified during excavations; mostly from silcrete material, with some tuff and quartz. Evidence from EC3/1 suggested a low density (0.8 artefacts per m<sup>2</sup>), often discontinuous scatter. Artefact conjoining also demonstrated spatial displacement downslope. The excavations at EC3/2 revealed the site was evenly dispersed and fairly low density (0.8 artefacts per m<sup>2</sup>). Artefact conjoining showed some displacement in the assemblage. It was concluded that EC3/1 represented an area that went intermittent occupation and EC/2 was a possible lookout point.

Biosis (2010) undertook test excavations for the proposed Erskine Park Link Road Project that connects Old Wallgrove Road to Erskine Park Road. The proposed link road runs 700 metres to the south of the current study area. Biosis completed test excavation of three Aboriginal sites within the proposed road route (AHIMS 45-5-3843, 45-5-3842, 45-5-3062), under AHIP 1113179. Excavations identified subsurface artefacts in all excavated sites.

A total of 352 artefacts were identified during test excavations. A majority of artefacts were identified at the PAD site located on the banks of Ropes Creek ( $n=341$ ), while the density dropped within the two remaining sites located further from the creek line. The raw material of identified artefacts was mainly red and yellow silcrete, with a few quartz artefacts. Two potential artefacts manufactured from ceramic electricity insulators were also identified with the Ropes Creek PAD, suggesting contact period occupation of the Ropes Creek area.

KNC (2011) completed archaeological test excavations at the Australand Eastern Creek Employment Lands; located approximately 420 metres to the east of the current study area. The excavations were recommended by a Heritage Conservation Strategy (JMcD CHM 2004) for the area. The Heritage Conservation Strategy had identified areas of low, moderate and high archaeological potential, based on landform, within the Australand holding. The Strategy recommended that areas of high archaeological potential be subject to salvage excavation and a representative sample of landscapes with the area identified as moderate archaeological potential. The KNC excavations focused on two sites; AEC1, was positioned on both flat and sloping land and AEC2 was positioned on a ridgeline and crest landform. A total of thirty-nine 1x1metre test pits were excavated at both AEC1 and AEC2. The stratigraphy on the north side of the site consisted of moderate brown clayey loam, over a red/brown very dry (sometimes cracked) clay base at an average depth of 20 millimetres. In the south portion of AEC1, the stratigraphy consisted of dark brown silty topsoil, overlying firm brown silty loam, with a base of dark orange clay at an average depth of 60 millimetres. The absence of A horizon soils on the north side of AEC1 was concluded to be the result of prior ground disturbance. Excavations at AEC2 identified a relatively uniform stratigraphy across the site consisting of dark brown clayey loam with a diffuse interface into basal clay. A total of ten flaked artefacts were identified during the excavations; seven at AEC1 and three from AEC2. The calculated artefact density was 0.25 artefacts per square metre. Artefacts were generally identified on down slopes associated with elevated flat areas. Silcrete was the dominant raw material type (60%), followed quartz (20%), mudstone (10%) and siliceous tuff (10%). It was concluded that the low density of artefacts identified were the result of the majority the area being located of areas of moderate archaeological potential, with only a small portion of high potential within the property. However, the results also adhered to the stream order theory in regards to artefact density of the Cumberland Plain, as well as supporting the intermittent land use between Ropes and Eastern Creeks as discussed by Steele (2003).

### 4.3 Discussion of EFW Facility Assessment by GML 2014

GML completed an ATR (2014a) and subsequent ACHAR (2014b) for the proposed Eastern Creek EFT Facility; which is the current scope of works being assessed by the test excavation. The survey completed as part of this assessment identified three new sites. The first site was Archbold Road 1, located in the north portion of the study area; which comprised three previously recorded sites that had not been registered with AHIMS (Brayshaw and Haglund 1996, JMcD 2002). During the survey GML identified three surface artefacts and large PAD with a high archaeological potential (2014a:35). The location of this site is shown in Figure 2.

The second site was Archbold Road 2, was located in the northwest portion of the study area. During the survey three surface artefacts were identified, and it was assessed that the area was a large PAD with a moderate archaeological potential (2014a:36). The location of this site is shown in Figure 2.

The third site was EFW South, was located in the southeast portion of the study area. The area had previously been identified as being an area of high archaeological potential (JMcD 2002 and JMcD 2005). During the survey two surface artefacts were identified, and the area was assessed as a large PAD with a high archaeological potential (2014a:36-37). The archaeological test excavation of this site is the current focus of this document. The location of this site is shown in Figure 2.

## 5.0 AIMS OF ARCHAEOLOGICAL TEST EXCAVATION

The investigation of the EFW South PAD within the study area provides a representative sample of a sensitive landform and presents the opportunity to add to the corpus of archaeological information for the region. Areas of PAD that will be investigated in accordance with this test excavation methodology includes the portions of raised land surrounding the confluence of two first order waterlines into a second order waterline which runs into Ropes Creek to the west. The raised areas around these waterlines consist of a gentle gradient down to the south; however there is a diverse micro-topography within this gently inclined slope. The micro-topography consists a shallow waterline basin, very low rises and slopes and some slightly raised flat areas. Therefore the methodology will aim to investigate the subsurface potential of all elements of the micro-topography.

Previous surface and sub-surface archaeological investigations in the area have identified some particularly high concentrations of artefacts in areas adjacent major waterlines in the area (Ropes Creek and Eastern Creek); with a noted drop in artefact density in the transitional land between them. The landscape located between the waterlines having mostly background scatter, with noted increase in elevated slopes and crests around first and second order streams that run off the major waterlines. Archaeological test excavation as outlined in this methodology will further investigate the distribution of Aboriginal objects in sub-surface contexts across the project area and provide more information on Aboriginal land use patterns.

In accordance with the OEH code of practice, the aims of archaeological test excavation are:

- To adequately identify the extent of EFW South.
- To assess the scientific significance of EFW South following an assessment of test excavation results.
- To provide an opportunity for registered Aboriginal stakeholders to comment on the Aboriginal cultural heritage values of the site.
- To provide the proponent with recommendations on opportunities to avoid impact and future requirements for further archaeological investigation where required.

## 6.0 EXCAVATION METHODOLOGY

Archaeological test excavation was conducted in accordance with the test excavation methodology (Artefact 2014).

The ATR report completed by GML (2014a) recommended that the test excavation be completed according to the OEHL *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (Code of Practice). As the project has been declared to be SSD by a State Environmental Planning Policy (SEPP); it is not required to use the Code of Practice. However the test excavation methodology was completed in accordance with the Code of Practice, as per the recommendations of GML (2014a). As a large number of previous archaeological test excavations in the region have been completed under the Code of Practice, therefore it is an applicable framework to use for comparative analysis of archaeological findings within the current test excavation.

### 6.1 Dates and Personnel

Test excavation was conducted over four days between Monday 3 and Thursday 6 November 2014. A number of representatives from the registered Aboriginal parties and five archaeologists from Artefact Heritage took part in the test excavation program. A full list of personnel is outlined in Table 1 below.

**Table 1: Test excavation personnel**

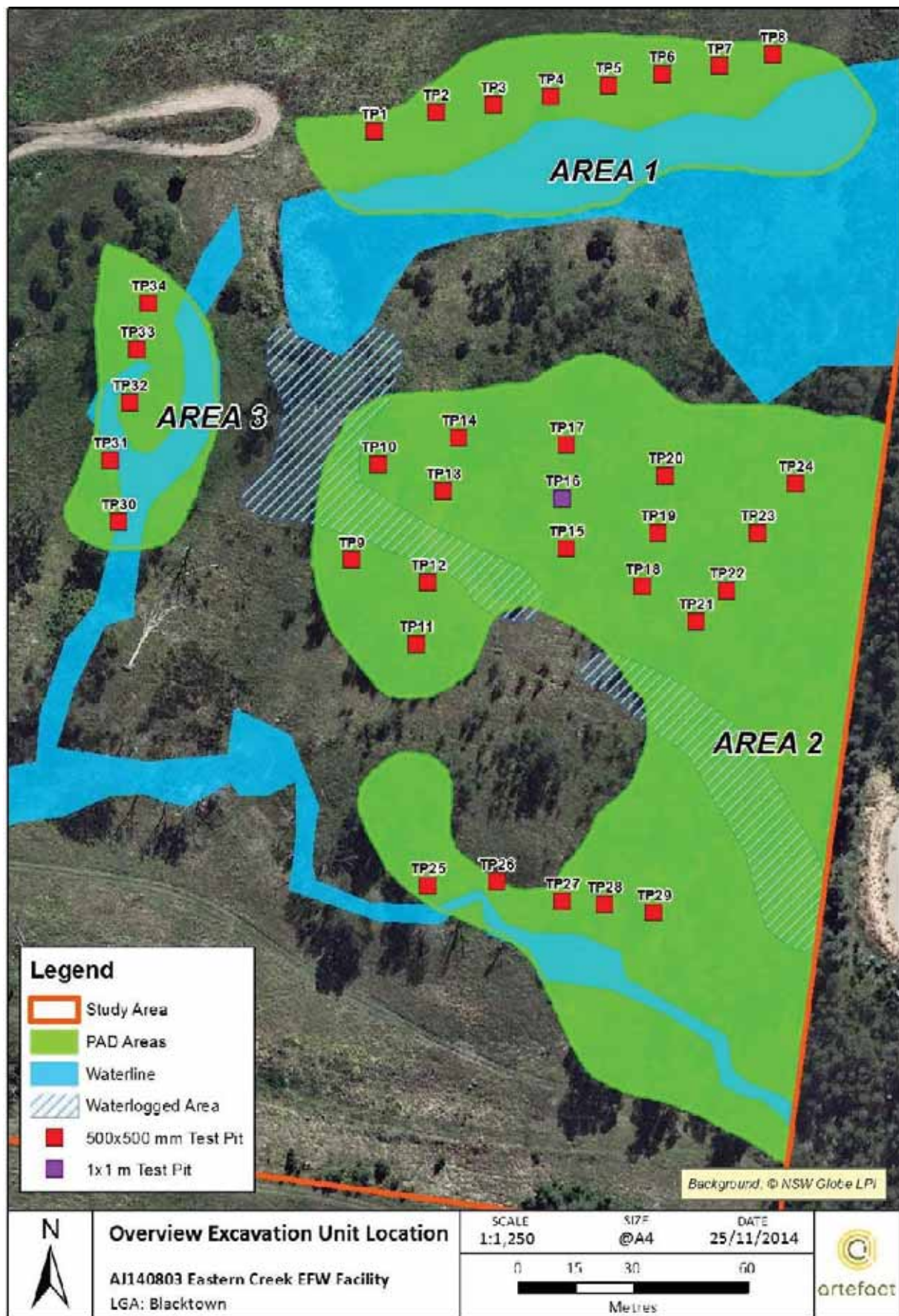
Representative	Organisation
Patricia Hampton	HSB Heritage Consultants
Tyler West	HSB Heritage Consultants
David Mason	Darug Aboriginal Landcare
Michael Lester	Tocomwall
Dennis Hardy	Darug Aboriginal Cultural Heritage Assessments
Josh Symons	Artefact Heritage
Alexander Timms	Artefact Heritage
Sylvia Daly	Artefact Heritage
Zvonka Stanin	Artefact Heritage
Christian Fielder	Artefact Heritage

## 6.2 Trench Layout and Excavation Units

Test excavation at EFW South involved the excavation of thirty-seven 500 x 500 mm excavation units distributed in transects to sample the three areas of archaeological potential that make up the EFW South PAD (Figure 4). The excavation units consisted of thirty-three individual 500x500 mm test pits, and four 500x500 mm test pits combined to make up a 1x1 m test pit (Figure 4). In general, excavation units were based on a fifteen metre grid; however spacing between excavation units was altered in some areas, due to the presence of waterlines and vegetation. As the identification of EFW South as a PAD is based on the confluence of waterlines; the proposed excavation unit locations targeted the raised areas of land in proximity to the confluence (Figure 4). During the time of excavation, the main tributary from Eastern Creek contained water. The waterline in Area 1 has been modified on the western end, to help retain water. The waterline that runs through Area 3 was dry.



Figure 4: Excavation Layout





### 6.3 Excavation procedure

Transects and excavation squares would be laid out using long hand-tapes, flags and pegs. An initial baseline would be laid out at each location, and trigonometry used to lay out parallel transects and offset excavation squares. A flag and peg would be placed at each point to be tested, and hand tapes and pegs used to lay out the remaining pegs at each corner of the excavation units. A datum would be established at the first excavation unit on the baseline. The location of each excavation unit would be recorded using a hand-held non-differential GPS, and the magnetic bearing of the first transect recorded using a compass.

In accordance with the OEH Code of Practice, the initial excavation unit at each location would be excavated in 5 centimetre spits. Subsequent excavation units will be excavated in 10 centimetre spits to the base of the artefact bearing deposit (with the exception of deposits deeper than 1.5 metres).

A context sheet for each excavation unit would be completed in the field. Details recorded will include date of excavation, name of excavators, depth, number of buckets and soil description. Additionally, one representative section wall from each excavation unit will be scale drawn, and photographs will be recorded of each section wall and base.

All retrieved deposit from each excavation unit would be placed in buckets and transported to a sieve area using wheelbarrows. All retrieved deposit would be sieved using nested 5 mm and 3 mm sieves.

### 6.4 Excavation recording

A recording form was completed for each excavation unit. The recording form provided space to document details of each spit, including spit number, start and end levels, number of buckets taken to the sieves, soil description, bioturbation, and any artefacts observed during excavation. Copies of all recording forms are attached in Appendix A.

A paper label including details of site name, date, excavation unit grid location, excavator name/s and spit number, was completed for each spit and placed into a small re-sealable bag. That bag was placed into a larger re-sealable bag transcribed with the same provenance details in permanent marker. The re-sealable bags were transported to the sieve area in one of the buckets containing excavated soil. Any artefacts retrieved during sieving were placed into the re-sealable bag.

A photographic record was maintained for each section wall and base of every excavation unit, and one section drawing was completed of a representative section wall within each excavation unit.

### 6.5 Artefact Recording

All Aboriginal objects retrieved during excavation or sieving were placed into a re-sealable bag with provenance details. Records of artefact numbers and preliminary details of artefact type were maintained throughout the course of the excavation. The specific attributes recorded were chosen to fulfil the aims of test excavation, and to provide a comparable dataset to other artefact assemblages in the region. Recorded attributes are outlined in Table 2.

**Table 2: Recorded artefact attributes**

Artefact attributes	Recorded details
Site Details	Provenance details.
Excavation Unit	Test pit number.
Spit	Spit number and spit depth.
Raw material	Raw material type and colour. Examples of raw material types include: silcrete, mudstone, quartz, petrified wood, glass and hornfels.
Reduction type	Flake; proximal flake fragment; medial flake fragment; distal flake fragment; bipolar flake; split flake (L or R); angular fragment; crenate fracture.
Tool / core type	Backed; retouched; core – unifacial, unifacial rotated, bifacial; core fragment.
Size range	Maximum dimension in the following categories – 0-5 mm, 6-10 mm, 11-15 mm, 16-20 mm, 21-30 mm, 31-40 mm, 41-50 mm.
Flake dimensions	Oriented length, width and thickness of complete flakes.
Cortex	Cortex coverage of whole artefact, including: none; 1-32%; 33-66%; 67-99%; 100%.

## 7.0 RESULTS

### 7.1 Excavation Unit Characteristics

A total of thirty-seven 500x500 mm test pits were excavated across the EFW South PAD. The excavation units consisted of thirty-three individual 500x500 mm test pits, and four 500x500 mm test pits combined to make up a 1x1 m test pit.

A description of soil deposits encountered, number of artefacts, their nature and extent are detailed below.

#### 7.1.1 Spit Depth

The first test pit excavated in each of the three areas of the EFW South PAD were excavated in 50 mm spits. As the soil profile was consistent across the remaining excavation units for each area, all subsequent test pits were excavated in 100 mm increments.

The first test pit in Area 1 (TP1) was excavated in three 50 mm spits down to depth of 150 mm. The remaining seven test pits in Area 1 were excavated in 100 mm spits, down to an average depth of 137 mm.

The first test pit in Area 2 (TP9) was excavated in four 50 mm spits down to depth of 160 mm. The remaining seven test pits in Area 1 were excavated in 100 mm spits, down to an average depth of 187 mm.

The first test pit in Area 3 (TP30) was excavated in four 50 mm spits down to depth of 200 mm. The remaining seven test pits in Area 1 were excavated in 100 mm spits, down to an average depth of 107 mm.

#### 7.1.2 Soil Description

The soil profile encountered within the test area was generally consistent. A detailed description of one excavation unit for each area is provided as a representative sample below. The remaining excavation units are summarised in Appendix A.

##### 7.1.2.1 Area 1

The soil profile encountered within the northern portion of EFW South (Area 1) was consistent across the area, comprising brown silty loam with grass roots (A1 horizon) and occasional small stone inclusions. The A Horizon in turn overlay a B Horizon of dense orange-brown clay. The boundary between the A and B Horizons was not always sharp and even, with some mixing evident. A typical pit displaying the soil profile encountered across the Area 1 is described below (see Table 3 and Figure 5 to Figure 7). The location of all excavation units within Area 1 are shown in

**Table 3: TP3 soil description**

Context	Depth (mm)	Soil Description
1	0 - 100	<b>A Horizon:</b> Dry, medium grain, moderate compaction, brown silty loam. Inclusions of grass roots and occasional small stones.
2	100 - 160	<b>B Horizon:</b> Dry, medium grain, very hard compaction, brown and orange mottled clay. Sterile basal layer.

Figure 5: North wall of TP3



Figure 6: Context of TP3



Figure 7: North section of TP3

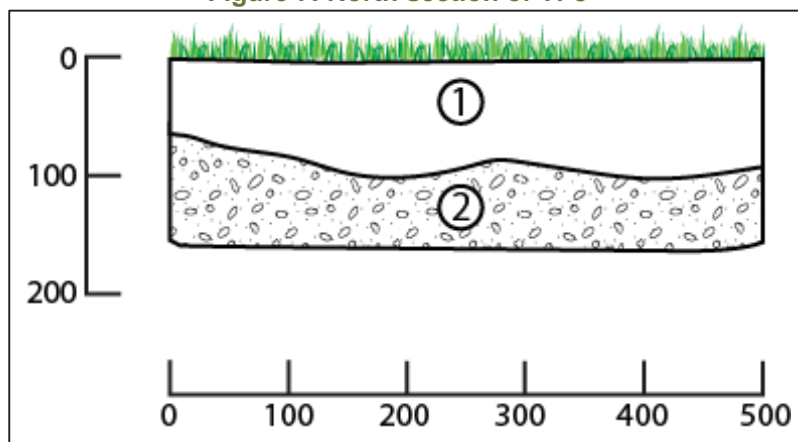
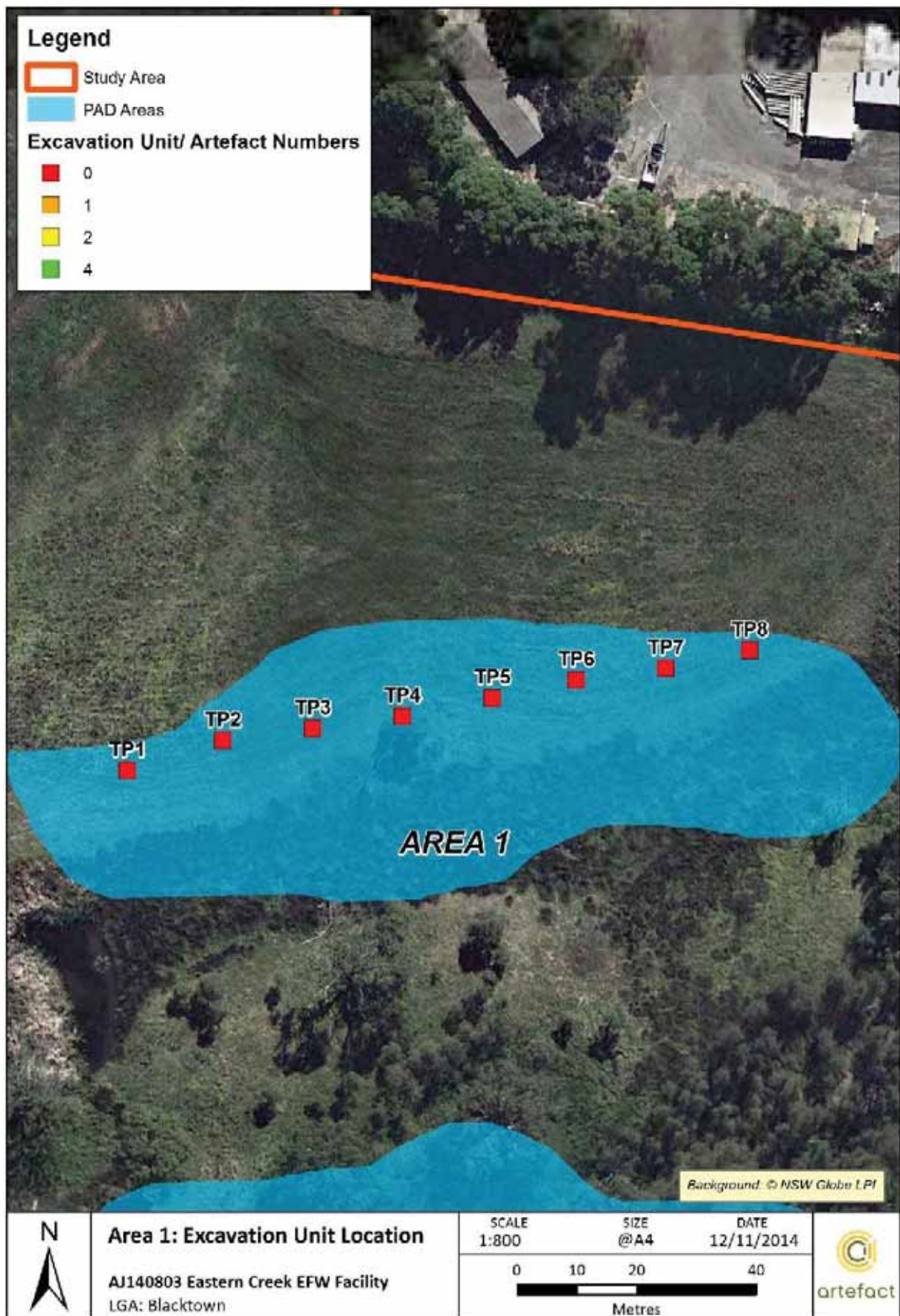




Figure 8: Area 1 - Excavation results



### 7.1.2.2 Area 2

The soil profile encountered within the central and southern portion of EFW South (Area 2) was relatively consistent across the area. The majority of test pits (TP9 to TP24) comprised grey brown silty loam with grass roots (A1 horizon) and occasional small stone inclusions. From the A horizon, there was a gradual change into a brown silty clay with minor orange mottling. A typical pit (TP16) displaying the soil profile encountered across the Area 2 is described below (see Table 4 and Figure 9 to Figure 11). Four artefacts were encountered in TP16, therefore the excavation unit was opened up into 100 x 100 cm area.

Soils within the southern portion of Area 3 (TP25 to TP29), tended to be deeper and waterlogged with increase clay content in the upper contexts; which is most likely due to their proximity to the waterline (Figure 4 and Figure 12).

**Table 4: TP16 soil description**

Context	Depth (mm)	Soil Description
1	0 - 100	<b>A Horizon:</b> Dry, medium grain, moderate compaction, grey brown silty loam. Inclusions of grass roots and occasional small stones.
2	100 - 160	<b>B Horizon:</b> Gradual change into dry, medium grain, very hard compaction, light brown and orange mottled silty clay. Sterile basal layer.

**Figure 9: North wall of TP16**



**Figure 10: Context of TP16**



**Figure 11: North section of TP16**

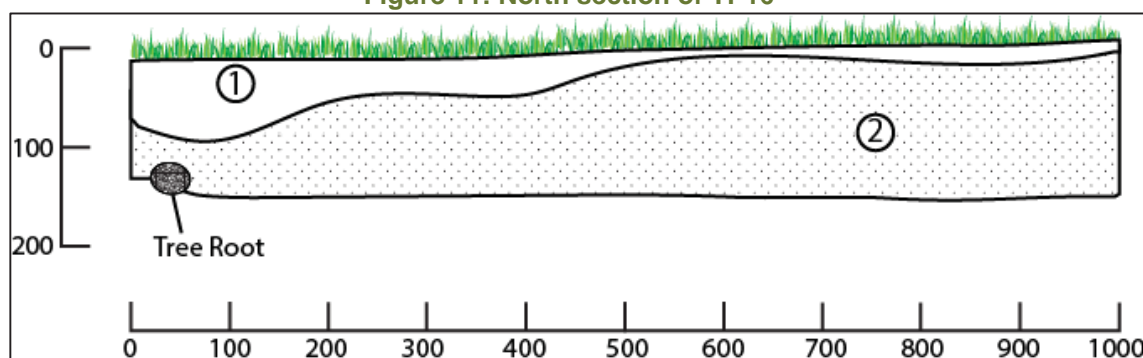
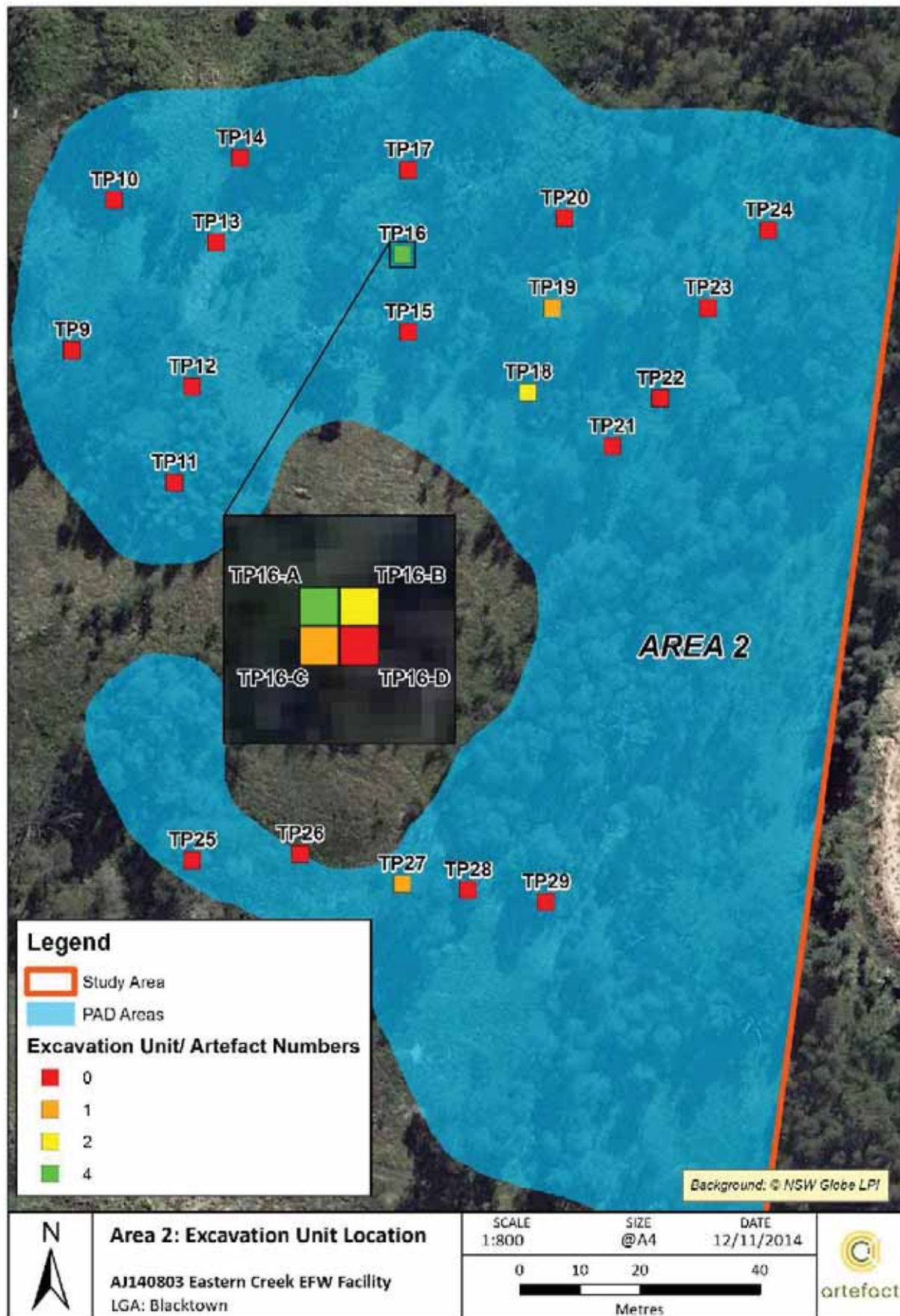




Figure 12: Area 2 - Excavation results





### 7.1.2.3 Area 3

The soil profile encountered within the central and southern portion of EFW South (Area 3) was consistent across the area. All test pits (TP30 to TP34) comprised very compact grey brown silty loam with grass roots (A1 horizon) and occasional small stone inclusions. The A horizon soils were very compact in this area; which has most likely been caused by excessive cattle movement within this portion of EFW South. From the compacted A horizon, there was a gradual change into a brown silty clay with minor orange mottling. A typical pit (TP30) displaying the soil profile encountered across the Area 3 is described below (see Table 5 and Figure 13 to Figure 15). The location of excavation units within Area 3 are shown in Figure 16.

**Table 5: TP30 soil description**

Context	Depth (mm)	Soil Description
1	0 - 60	<b>A Horizon:</b> Dry, medium grain, hard compaction, grey brown silty loam. Inclusions of grass roots and occasional small stones.
2	60 - 200	<b>B Horizon:</b> Gradual change into dry, medium grain, very hard compaction, light brown and orange mottled silty clay. Sterile basal layer.

**Figure 13: West wall of TP30**



**Figure 14: Context of TP30**



**Figure 15: North section of TP30**

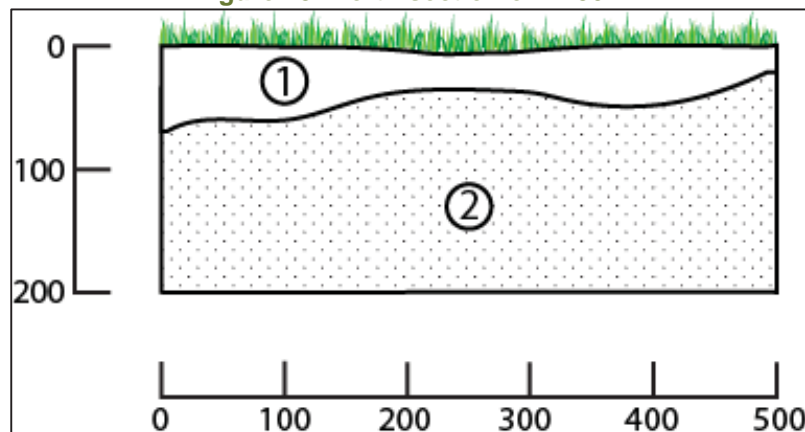
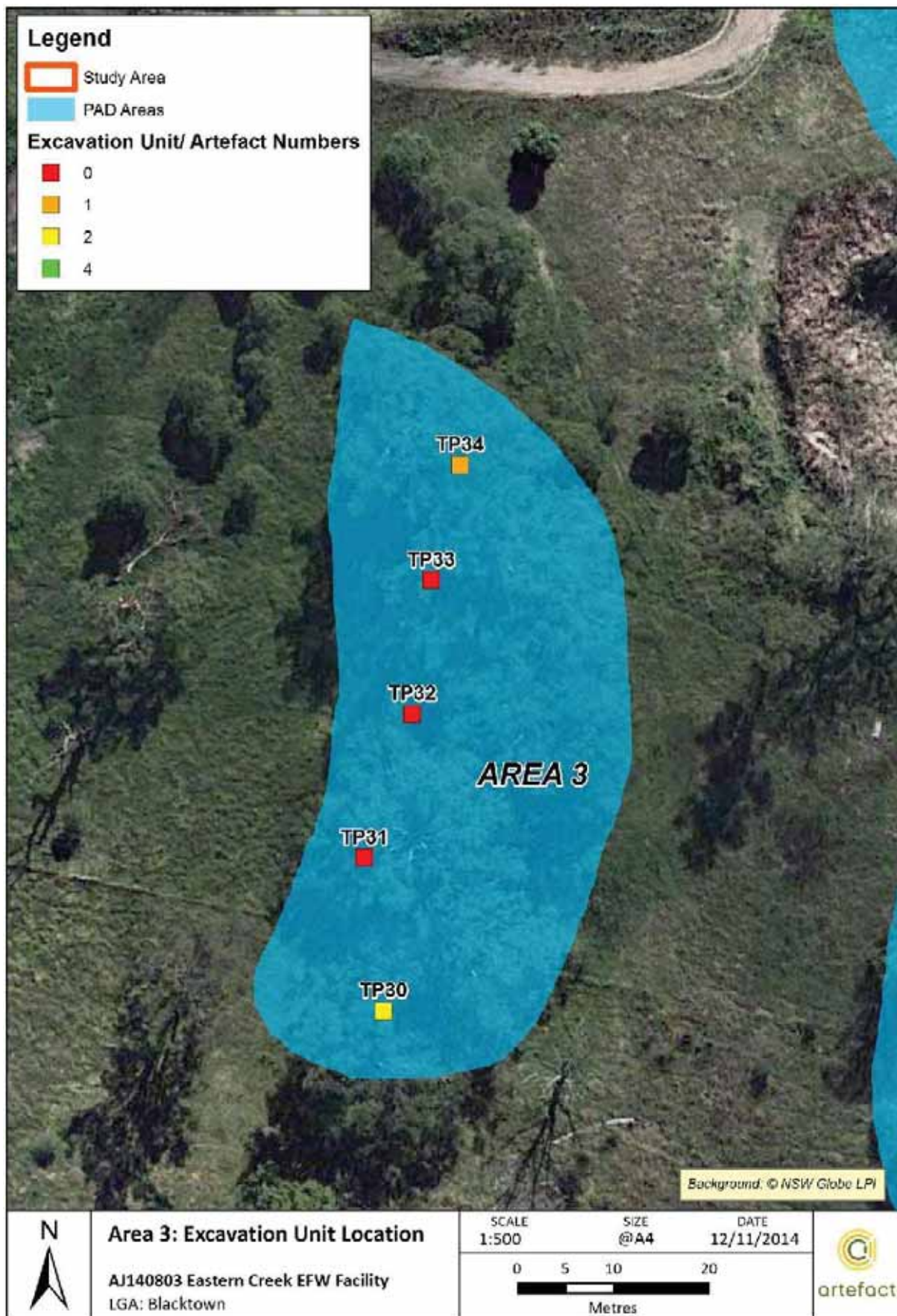


Figure 16: Area 3 - Excavation results



### 7.1.3 Levels of Disturbance

The area was nominated as a PAD due to the identification of two surface lithic artefacts, proximity to waterlines and evident integrity of the ground disturbance (GML 2014a:36-38). There is visual evidence of isolated portions of ground disturbance within the general area; however the test excavation did not enter these areas.

The results of the excavation show a consistent silt A horizon overlying a clay or silty clay B horizon. The stratigraphy often had a gradual change; however this is due to natural taphonomic processes, not ground disturbance. No European rubbish was encountered in any of the excavation units (i.e. glass, metal or ceramic pieces). Therefore the soil integrity of the area tested appears to be moderate. There is some evidence of fluvial erosion. Also, there is some bioturbation; mostly caused by Cattle and Kangaroos that frequent the area. However these disturbances are considered minor.

## 7.2 Stone Artefact Analysis

### 7.2.1 Stone artefact distribution and density

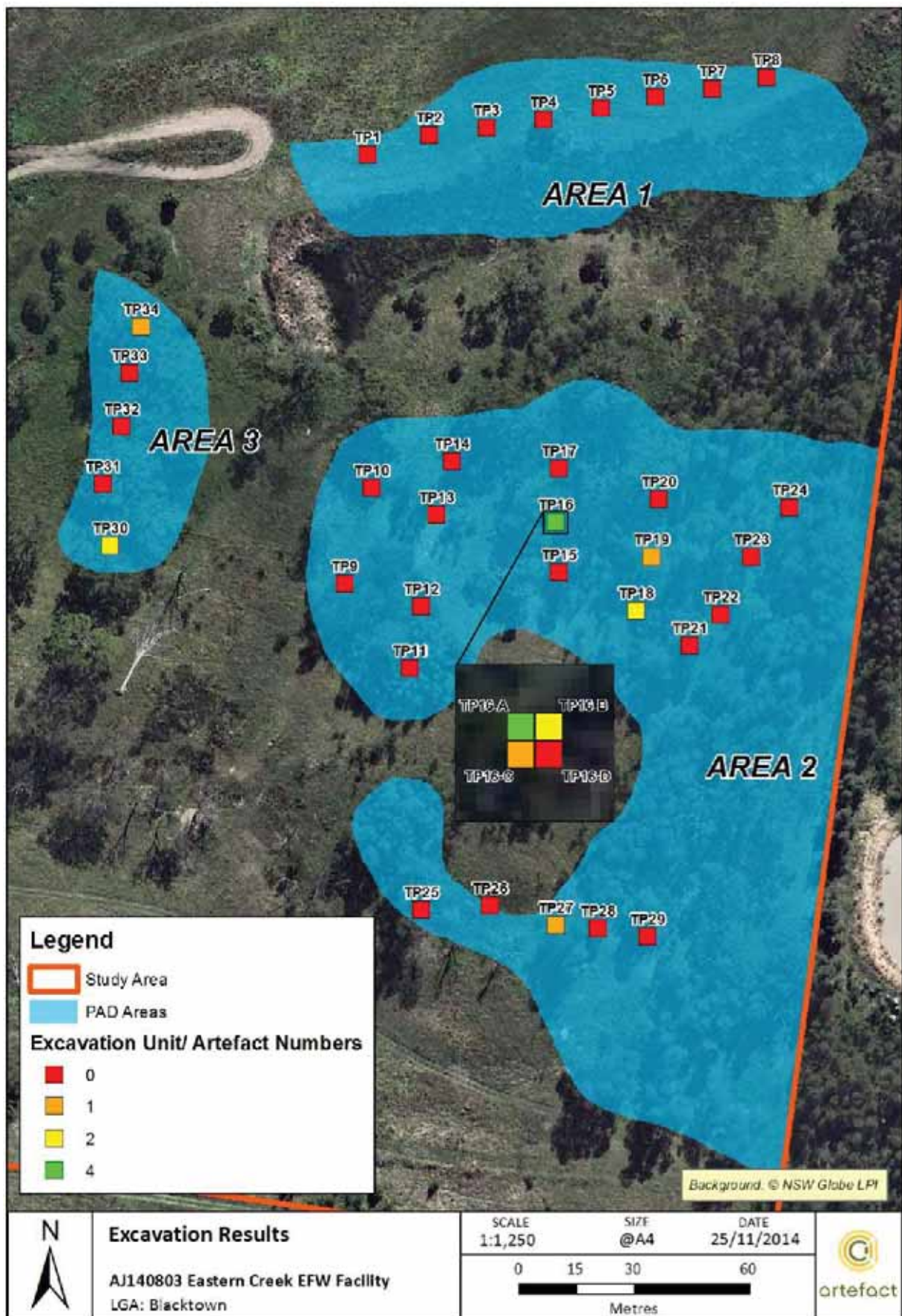
Test excavation of PAD site EFW South retrieved an assemblage of fourteen artefacts (Figure 18) from nine of the thirty-seven 500x500 mm excavation units (Figure 17). The total area excavated 18.5m<sup>2</sup>; with an artefact density of 0.76 artefacts/m<sup>2</sup>.

The location of artefacts indicates a sparse scatter across the majority of the site area, with a concentration of ten artefacts within the north central portion of Area 3 (TP16-A, TP16-B, TP16-C, TP18 and TP19). The highest number of artefacts were found in TP16-A; therefore the excavation unit was extended into a 1x1 m test pit, using three more 500x500 mm test pits (TP16-B, TP16-C, TP16-C (Figure 17). However the artefact numbers decreased in the additional test pits. Additional artefacts identified in TP18 and TP19 showed that there was a concentration in the area. An additional transect was excavated to the east of these artefact bearing excavation units to investigate the potential continuance of the concentration (TP21 to TP24). However, no artefacts were identified in the additional pits; which successfully established an extent for the artefact concentration.

One more artefact was identified in the south portion of Area 2 (TP27) and a further three artefacts in Area 3 (TP30 and TP34), demonstrating that the pattern of artefact distribution across this portion of the site reflected isolated scatters /isolated artefacts rather than a continuous scatter. However as all artefacts were identified on slightly raised areas adjacent ephemeral waterlines, they are considered to part of the same site (EFW South).



Figure 17: Distribution of Artefacts Retrieved During Excavation



### 7.2.2 Raw material and artefact characteristics

The artefact assemblage was made up of stone artefacts composed entirely of silcrete (n=14, 100%); which ranged from orange to red in colour.

Technological categories represented in the assemblage included: angular fragments (n=7, 50%), distal flakes (n=4, 29%), complete flakes (n=2, 14%) and a proximal flake (n=1, 7%).

No tools, retouched artefacts or cores were noted in the assemblage. The assemblage is indicative of general stone reduction and casual discard.

Full recorded artefact attributes are presented in Appendix B.

### 7.2.3 Artefact depth

The majority of the artefacts were recovered from 0 – 100 millimetres depth, broadly corresponding to the A horizon.

No artefacts were retrieved from the underlying B horizon.

**Figure 18: Artefact assemblage retrieved from excavations at EFW South**



## 8.0 ANALYSIS AND DISCUSSION

### 8.1 Levels of Disturbance

No significant instances of sub-surface disturbance were encountered during excavations at EFW South. The test excavation confirmed that the soils within EFW South are intact. Overall, the disturbances to the ground surface resulting from use of the study area for cattle grazing and do not appear to have had significant impact on identified Aboriginal objects within EFW South.

### 8.2 The Artefact Assemblage

Artefact density was low across the site (0.76 artefacts/m<sup>2</sup> on average). There is a slight concentration of artefacts within the north central portion of Area 2; however artefacts are diffuse overall and no meaningful patterns between location and landform were identified. The small size of the assemblage means that patterns of intra-site artefact distribution cannot be reliably (statistically) established.

The low artefact density at EFW South conforms to the wider pattern of variable artefact densities recorded during sub-surface investigations in the region. Previous archaeological investigations in the area identified high concentrations of artefacts adjacent to major waterlines in the area (Ropes Creek and Eastern Creek); with a drop in artefact density in the transitional land between them. Site EFW South is located within the lower lying, transitional land, between the two major creeks; and therefore conforms to site patterning of the region.

The artefacts recovered comprise small to medium sized angular fragments, distal flakes, complete flakes and a proximal flake. Silcrete was the only raw material type identified; studies have shown that silcrete is ubiquitous across the Eastern Creek area and wider Cumberland Plain region.

### 8.3 Discussion and Conclusion

The archaeological investigations undertaken at EFW South uncovered a low density assemblage of small to medium size flakes and angular fragments with no evidence of usewear. The raw material used is common in the region. No evidence of intensive occupation of the site or the manufacture of stone tools was discovered. The assemblage is likely to reflect general stone reduction and discard rather than intensive occupation or site use. The overall results are reflective of background scatter or transient campsites related to the movement of Aboriginal people across the landscape. The type of low-density site represented by EFW South is common in the Eastern Creek area and wider Cumberland Plain region. This factor, along with the absence of complete tools or areas of tool manufacture, contributes to the lack of research value for site EFW South. As a result, no further archaeological investigation at the site is recommended. EFW South was initially recorded by GML as an artefact scatter with PAD; the site will be updated on the Aboriginal Heritage Information Management System (AHIMS) to incorporate the identified subsurface artefacts.

## 9.0 SIGNIFICANCE ASSESSMENT

### 9.1 Assessment Criteria

Archaeological significance refers to the archaeological or scientific importance of a landscape or area. This is characterised by using archaeological criteria such as archaeological research potential, representativeness and rarity of the archaeological resource and potential for educational values. These are outlined below:

- Research potential: does the evidence suggest any potential to contribute to an understanding of the area and/or region and/or state's natural and cultural history?
- Representativeness: how much variability (outside and/or inside the subject area) exists, what is already conserved, how much connectivity is there?
- Rarity: is the subject area important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised? Is it in danger of being lost or of exceptional interest?
- Education potential: does the subject area contain teaching sites or sites that might have teaching potential?

### 9.2 Archaeological Significance Assessment

Archaeological test excavation within EFW South, identified a low density, generally dispersed artefact scatter. While there is a significant distance between some of the outlying artefacts, they are of consistent material, similar depth and with the same slightly elevated landform adjacent ephemeral waterlines. Assessment of the scientific significance of EFW South considered the following aspects of the test excavation results:

- The results reflect a mostly diffuse (slight concentration within north central portion of Area 2), low density artefact scatter which most likely reflect intermittent use of the area. While being located close to water sources, the area would be prone to flooding. There are higher slopes in crest in the nearby region that would be preferable camp sites; as they would offer a view of the terrain and dryer camping place.
- The test excavation results fit the predictive model based on information available in the local context on the distribution of artefacts in similar landscape settings. Previous surface and sub-surface archaeological investigations in the area identified high concentrations of artefacts adjacent major waterlines in the area (Ropes Creek and Eastern Creek); with a drop in artefact density in the transitional land between them. The landscape located between the waterlines having mostly background scatter. The artefacts identified adhere to the local model; and are therefore common within the local context and have limited research potential.
- The artefacts identified during test excavation offer low research or educational value. All material recovered the same quality silcrete raw material and artefacts were waste flakes, with very little technical diversity.



## 10.0 IMPACT ASSESSMENT

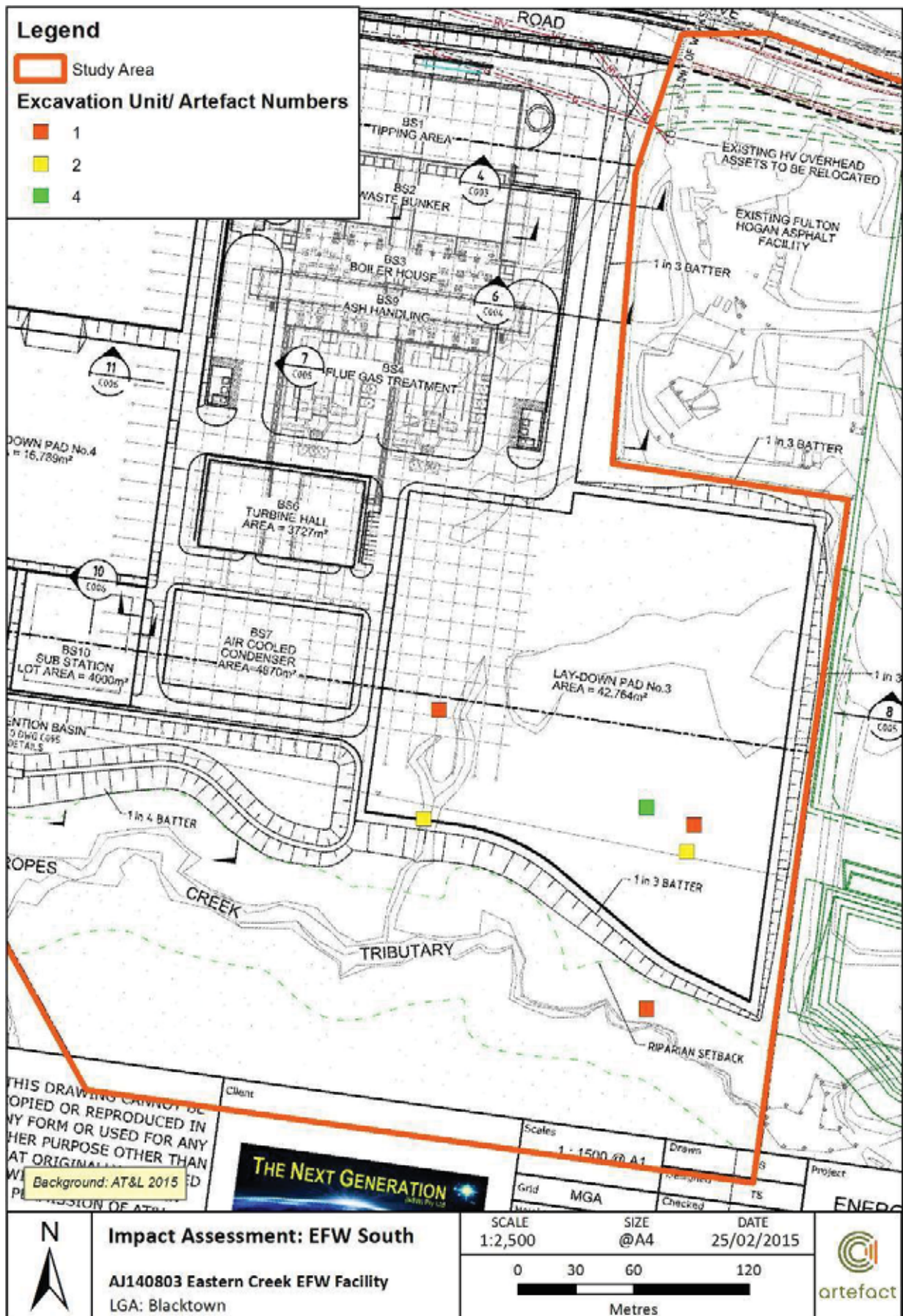
### 10.1 Impacts of the Proposed Development

Aboriginal objects have been retrieved from archaeological test excavation at EFW South. This site would be directly impacted by the proposed development (Figure 19). One area where artefacts were located will be within the Riparian Corridor, which will not be impacted; therefore there will not be a total loss of value. The assessment of impact is summarised in Table 6.

**Table 6: Impact Assessment**

Site Number	Site Name	Type of Harm	Degree of Harm	Consequence of Harm
45-5-4491	EFW South	Direct	Total	Partial loss of value

Figure 19: EFW South Artefacts over Proposed Impact Area



## 11.0 MITIGATION AND MANAGEMENT

### 11.1 Guiding Principles

The overall guiding principle for cultural heritage management is that where possible Aboriginal sites should be conserved. If conservation is not practicable, measures should be taken to mitigate against impacts to Aboriginal sites.

The nature of the mitigation measures recommended is based on the assessed significance of the site. The final recommendations would also be informed by cultural significance, which will be discussed by the Aboriginal community in their responses during the next stage of consultation.

### 11.2 Mitigation measures

Site EFW South has been assessed to be of low archaeological significance. No further archaeological investigation of that area is required prior to impacts taking place.

An Aboriginal Site Impact Recording Form (ASIRF) will be submitted to the OEH AHIMS Registrar by Artefact Heritage detailing the procedure and results of the test excavation program and the assessment of Site EFW South as demonstrating low archaeological significance.

As Aboriginal objects would be impacted by the proposal, comprehensive Aboriginal consultation in accordance with the *DEC Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation 2005* has been undertaken. The results of the community consultation and the test excavations have been included in an Aboriginal Cultural Heritage Assessment Report (ACHAR).

The aim of the ACHAR is to:

- Describe the site area and the Aboriginal stakeholder consultation process.
- Summarise the site information available, including results of previous archaeological investigations and a summary of archaeological test excavation results.
- Describe the Aboriginal cultural heritage values of the site, including information on the cultural significance of the site provided by Aboriginal stakeholders.
- Describe the proposed activity.
- Outline methods for avoiding or minimising harm.

The draft version of the ACHAR will be provided to registered Aboriginal stakeholders for review and comment on. The finalised ACHAR would be forwarded to the Department of Planning and Infrastructure prior to approval of the EIS.

An ASIRF must be completed and submitted to the OEH AHIMS Registrar within four months of completion of the authorised development works.

### 11.2.1 Reburial of test excavation artefact assemblage

The retrieved test excavation artefact assemblage should be reburied at a nearby location within the study area that will not be impacted by any future development works. Consultation regarding this was conducted as part of the Aboriginal stakeholder review of the ACHAR, and a preference for reburial has been indicated. The reburial site would be determined through consultation with the proponent and the registered Aboriginal stakeholders. A site update card should be forwarded to the OEH AHIMS Registrar with information on the location and depth of reburial.

## 12.0 RECOMMENDATIONS

The following recommendations were based on consideration of:

- Statutory requirements under the EP&A Act 1979.
- The requirements of the DGRs.
- The results of background research, archaeological test excavation and assessment.
- The likely impacts of the proposed development.
- The interests of Aboriginal stakeholders.

It was found that:

- EFW South is a low density artefact scatter – a site type that is common within a local and regional context on the Cumberland Plain is of low archaeological significance. The proposed EFW Facility will have a direct impact on site EFW South.

It is therefore recommended that:

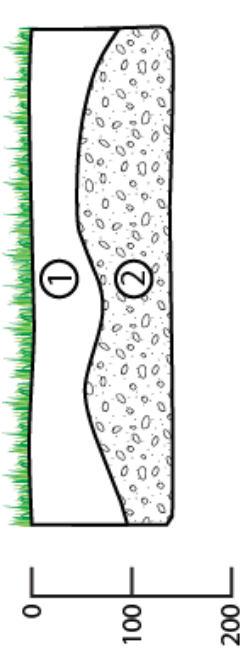
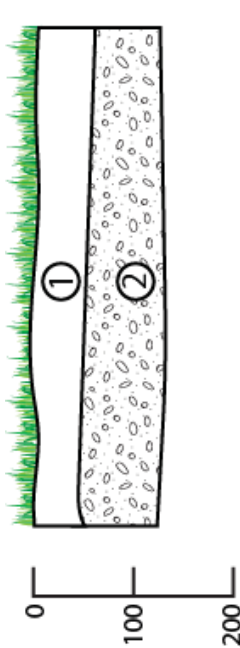
- No further archaeological investigation of site EFW South is necessary as it is of low archaeological significance.
- The ACHAR prepared by GML would be updated outlining the results of the additional Aboriginal consultation, test excavations and proposed impacts to the significance of Aboriginal heritage values of all identified Aboriginal sites within the study area.
- The retrieved artefact assemblage should be reburied at a nearby location within the study area that will not be impacted by any future development works. Consultation regarding this will be conducted as part of the Aboriginal stakeholder review of the ACHAR. The reburial site would be determined through consultation with the proponent and the registered Aboriginal stakeholders. A site update card should be forwarded to the OEH AHIMS Registrar with information on the location and depth of reburial.
- An Aboriginal Site Impact Recording Form must be completed and submitted to the OEH AHIMS Registrar within four months of completion of the authorised development works.

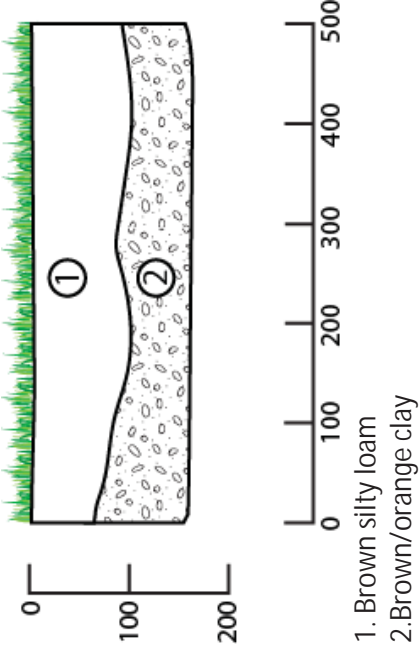
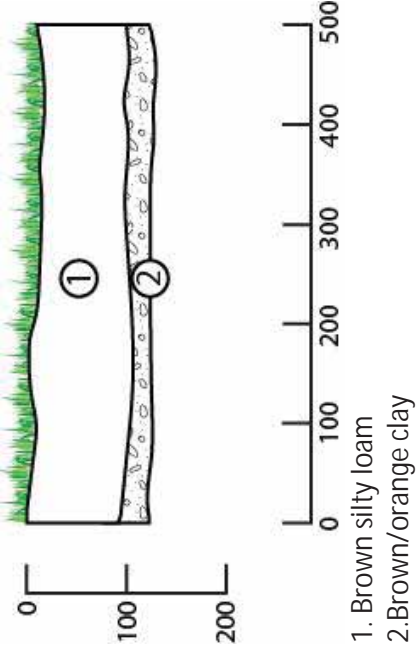


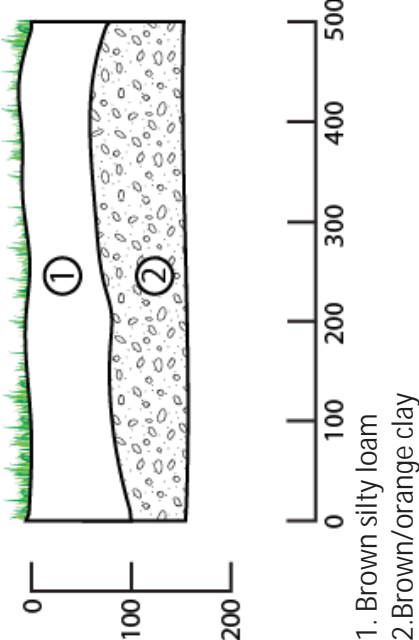
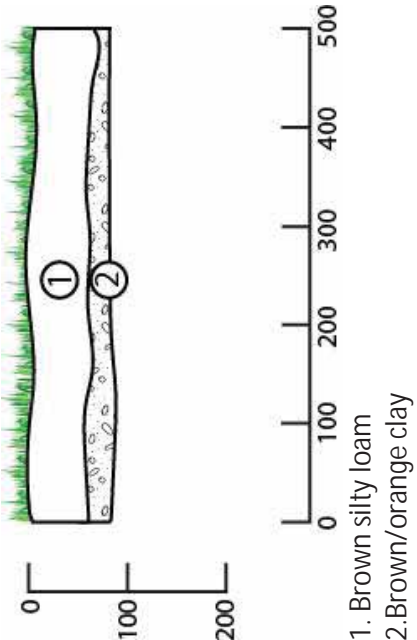
## 13.0 REFERENCES

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- KNC. 2011. Australand Eastern Creek - Salvage Excavation Program. Report for Australand Property Group.
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## APPENDIX A: TEST PIT SUMMARY

Area 1				
Excavation Unit: TP1	Easting: 298706	Northing: 6257639	Artefacts: 0	<div><p>0 100 200</p><p>0 100 200 300 400 500</p><p>1. Brown silty loam 2. Brown/orange clay</p></div>
Excavation Unit: TP2	Easting: 298722	Northing: 6257644	Artefacts: 0	<div><p>0 100 200</p><p>0 100 200 300 400 500</p><p>1. Brown silty loam 2. Brown/orange clay</p></div>

Excavation Unit: TP3	Easting: 298737	Northing: 6257646	Artefacts: 0	
Excavation Unit: TP4	Easting: 298752	Northing: 6257648	Artefacts: 0	

Excavation Unit: TP5	Easting: 298767	Northing: 6257651	Artefacts: 0	
Excavation Unit: TP6	Easting: 298781	Northing: 6257654	Artefacts: 0	

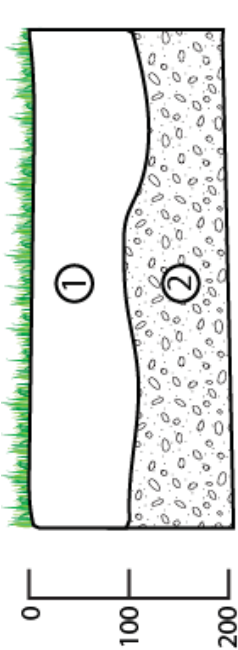


Excavation Unit:  
TP7

Easting:  
298796

Northing:  
6257656

Artefacts:  
0



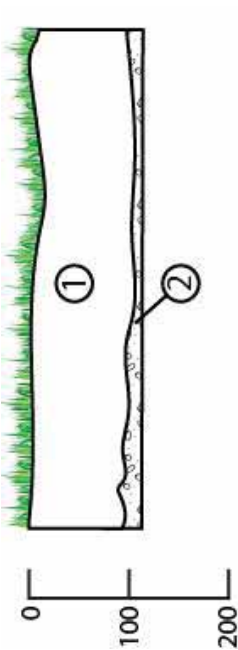
- 1. Brown silty loam
- 2. Brown/orange clay

Excavation Unit:  
TP8

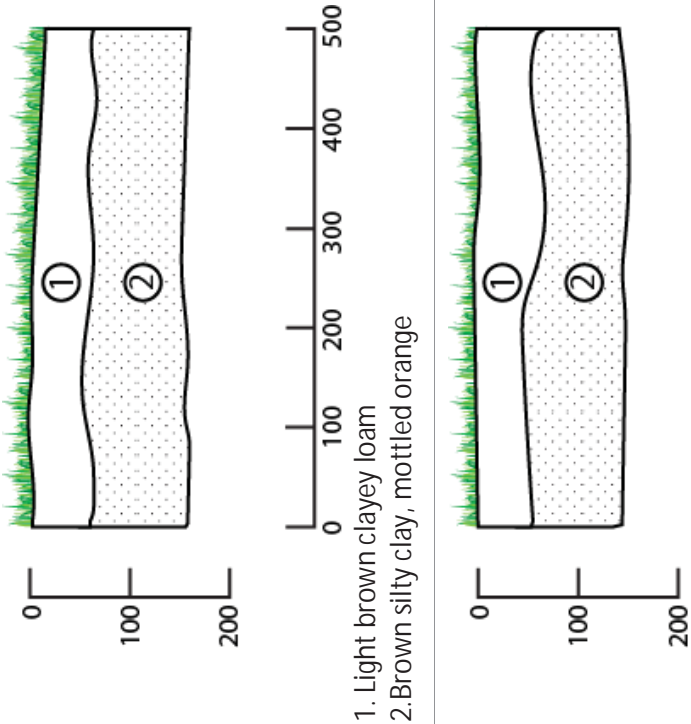
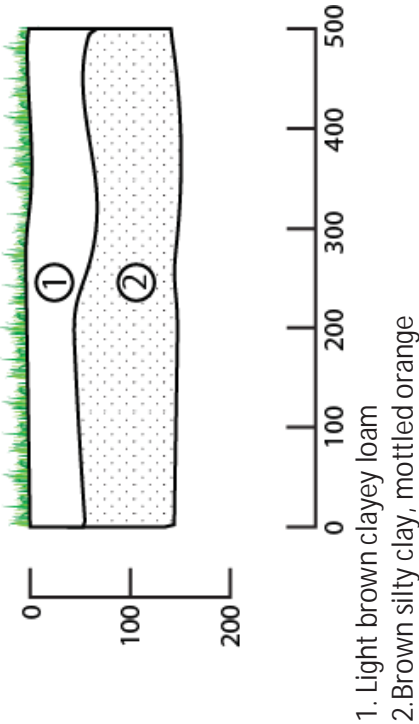
Easting:  
298710

Northing:  
6257659

Artefacts:  
0



- 1. Brown silty loam
- 2. Brown/orange clay

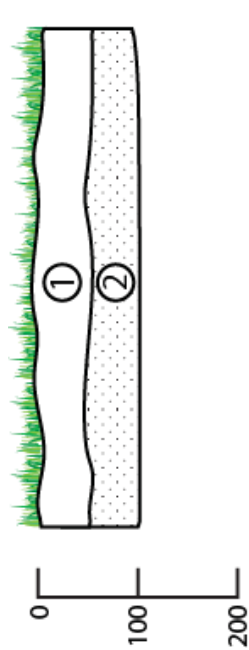
Area 2				
Excavation Unit: TP9	Easting: 298700	Northing: 6257527	Artefacts: 0	<div></div>
Excavation Unit: TP10	Easting: 298707	Northing: 6257552	Artefacts: 0	<div></div>

Excavation Unit:  
TP11

Easting:  
298717

Northing:  
6257505

Artefacts:  
0



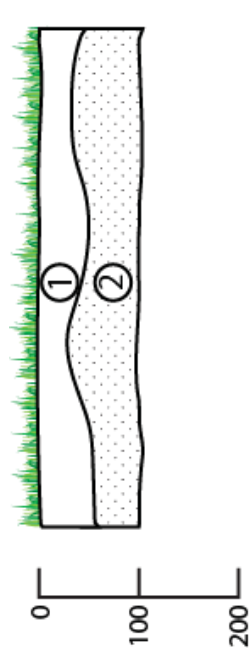
1. Light brown clayey loam
2. Brown silty clay, mottled orange

Excavation Unit:  
TP12

Easting:  
298720

Northing:  
6257521

Artefacts:  
0



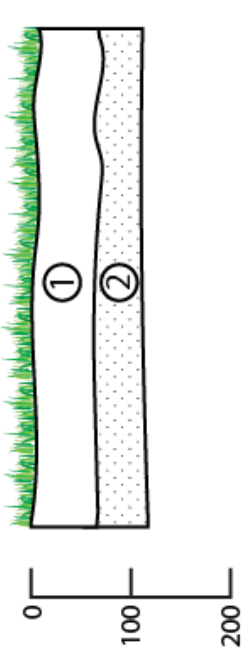
1. Light brown clayey loam
2. Brown silty clay, mottled orange

Excavation Unit:  
TP13

Easting:  
298724

Northing:  
6257545

Artefacts:  
0



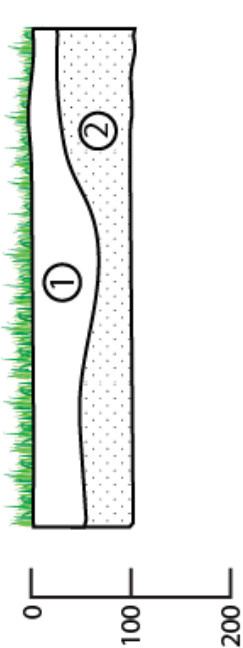
1. Light brown clayey loam  
2. Brown silty clay, mottled orange

Excavation Unit:  
TP14

Easting:  
298728

Northing:  
6257559

Artefacts:  
0



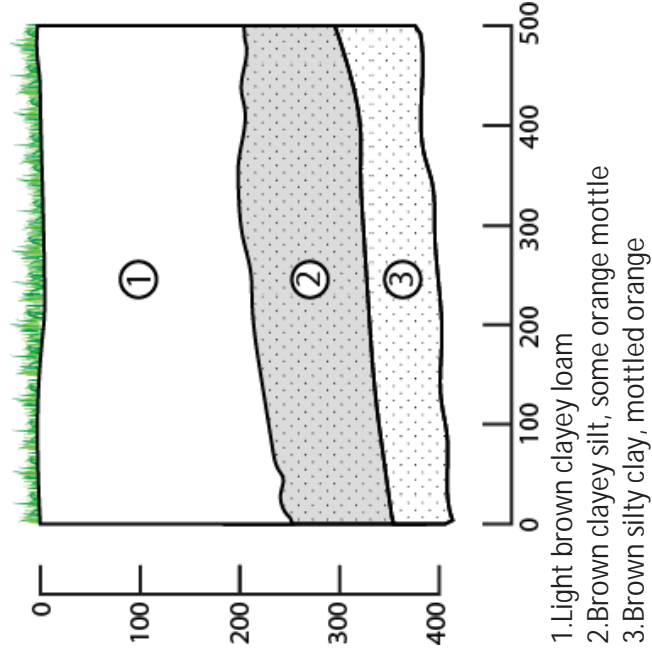
1. Light brown clayey loam  
2. Brown silty clay, mottled orange

Excavation Unit:  
TP15

Easting:  
298756

Northing:  
6257530

Artefacts:  
0

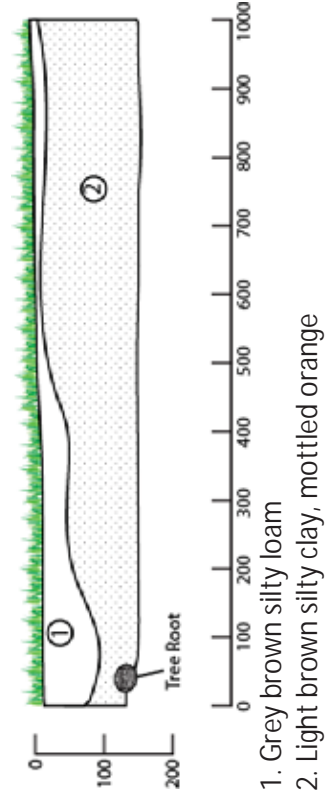


Excavation Unit:  
TP16-A

Easting:  
298755

Northing:  
6257543

Artefacts:  
4



Excavation Unit:  
TP16-B

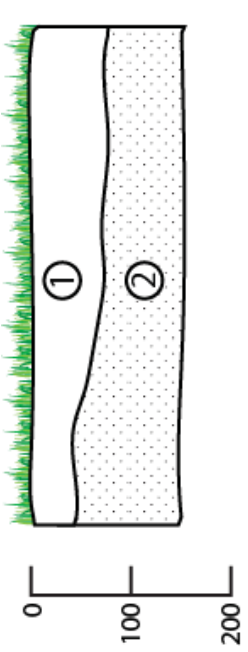
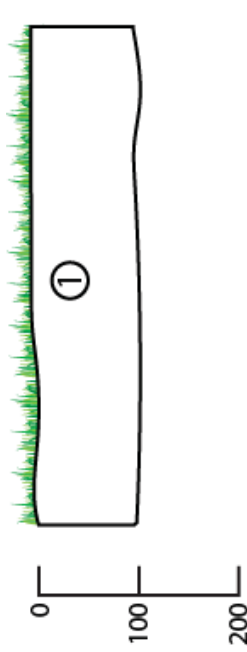
Easting:  
298755.5

Northing:  
6257543

Artefacts:  
2

As per T16-A description above



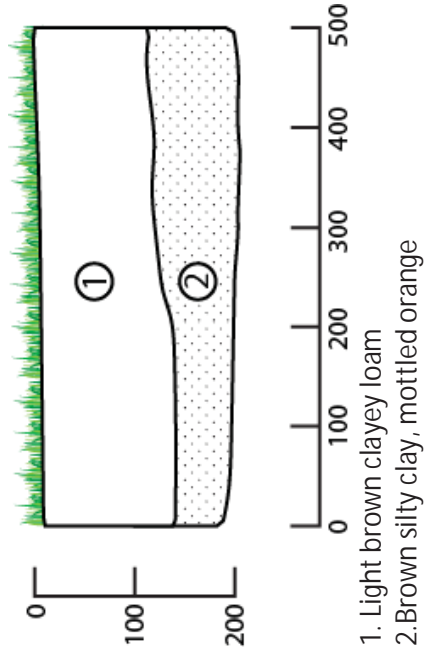
Excavation Unit: TP16-C	Easting: 298755	Northing: 6257542.5	Artefacts: 1	As per T16-A description above
Excavation Unit: TP16-D	Easting: 298755.5	Northing: 6257542.5	Artefacts: 0	As per T16-A description above
Excavation Unit: TP17 2050 3050	Easting: 298756	Northing: 6257557	Artefacts: 0	 <p>1. Light brown clayey loam 2. Brown silty clay, mottled orange</p>
Excavation Unit: TP18 2075 3020	Easting: 298776	Northing: 6257520	Artefacts: 2	 <p>1. Light brown clayey loam 2. Brown silty clay, mottled orange</p>

Excavation Unit:  
TP19

Easting:  
298780

Northing:  
6257534

Artefacts:  
1

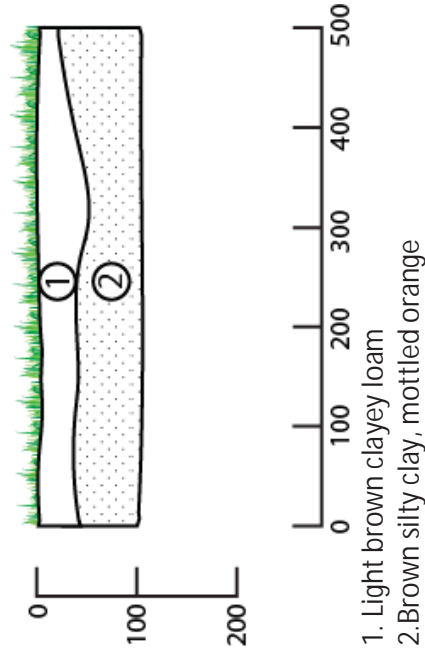


Excavation Unit:  
TP20

Easting:  
298782

Northing:  
6257549

Artefacts:  
0

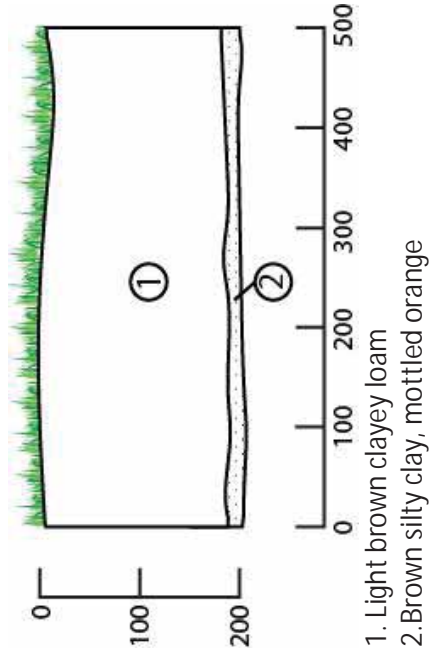


Excavation Unit:  
TP21

Easting:  
298790

Northing:  
6257511

Artefacts:  
0

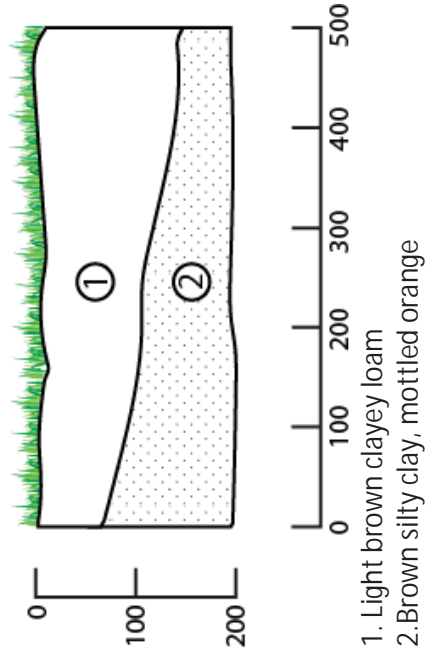


Excavation Unit:  
TP22

Easting:  
298798

Northing:  
6257519

Artefacts:  
0

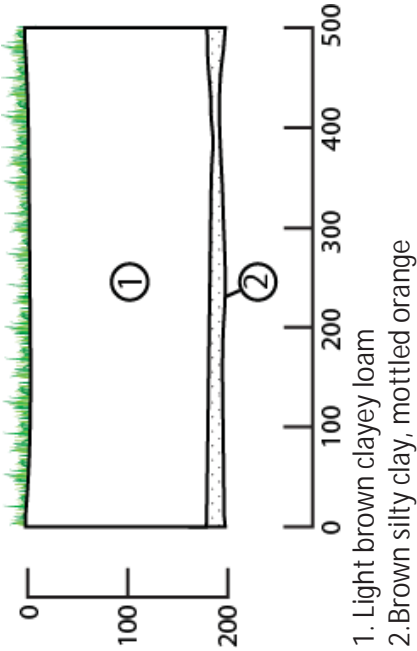


Excavation Unit:  
TP23

Easting:  
298806

Northing:  
6257534

Artefacts:  
0

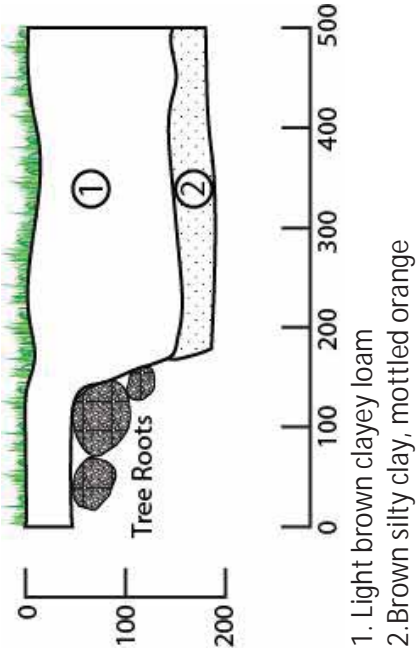


Excavation Unit:  
TP24

Easting:  
298816

Northing:  
6257547

Artefacts:  
0

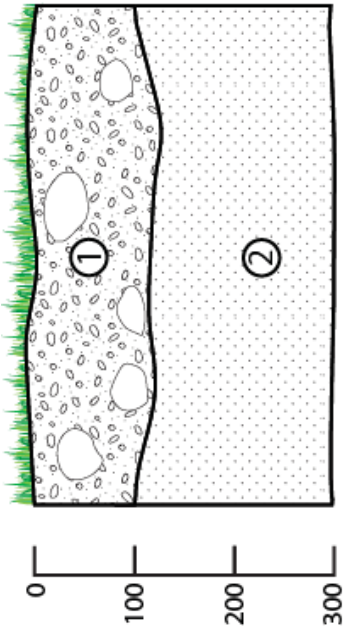


Excavation Unit:  
TP25

Easting:  
298720

Northing:  
6257442

Artefacts:  
0



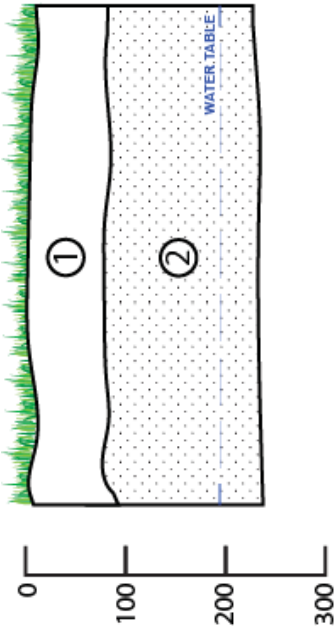
1. Brown silty loam, patches of compact tan silt and pebble inclusions
2. Damp reddish brown clay

Excavation Unit:  
TP26

Easting:  
298738

Northing:  
6257449

Artefacts:  
0



1. Brown silty loam, clay content increasing with depth
2. Waterlogged reddish brown clay

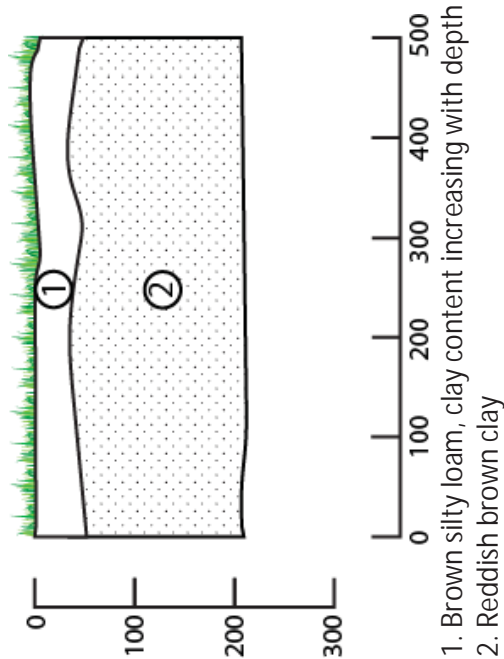


Excavation Unit:  
TP27

Easting:  
298755

Northing:  
6257438

Artefacts:  
1

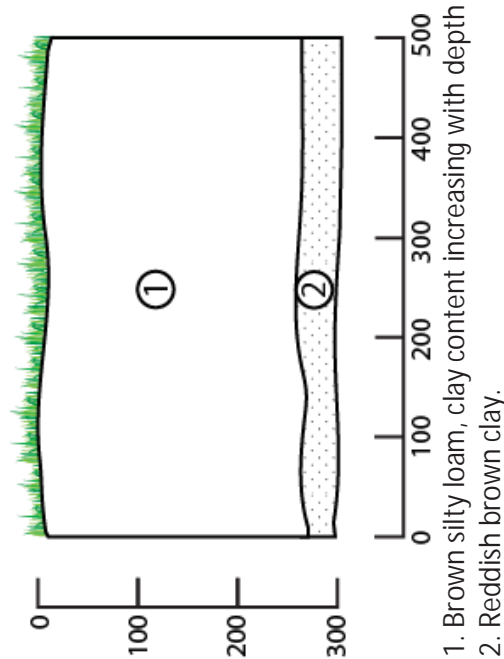


Excavation Unit:  
TP28

Easting:  
298766

Northing:  
6257437

Artefacts:  
0

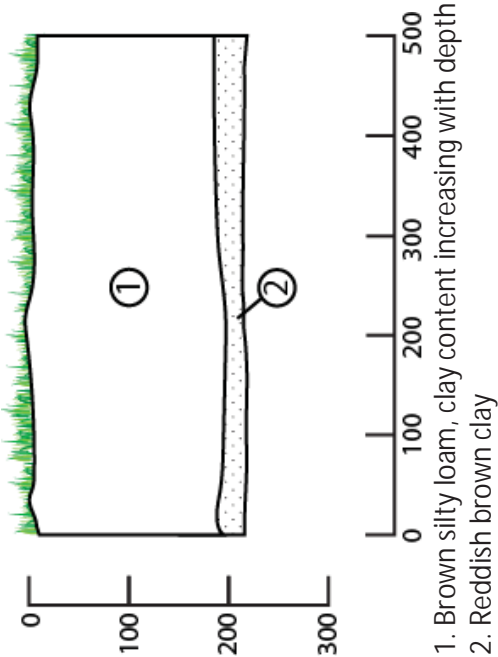


Excavation Unit:  
TP29

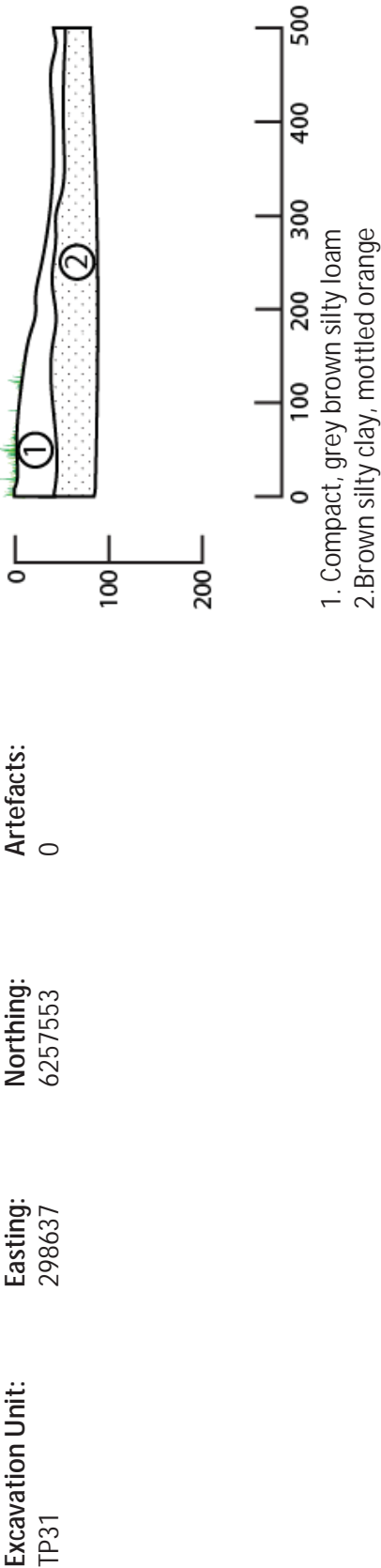
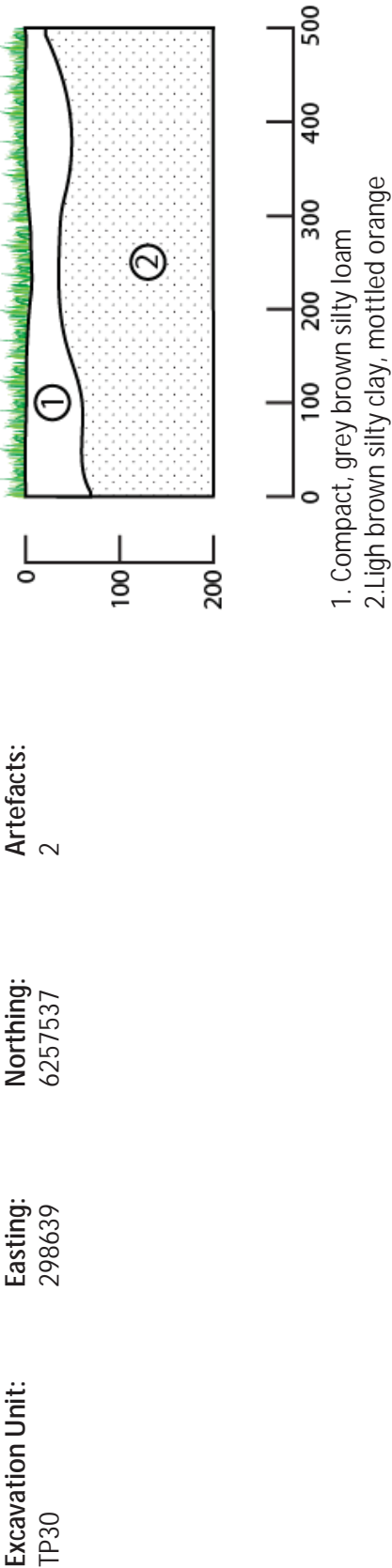
Easting:  
298779

Northing:  
6257435

Artefacts:  
0



Area 3

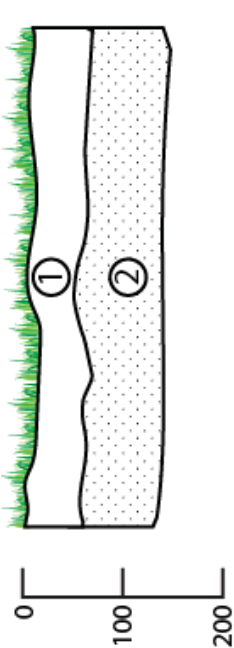


Excavation Unit:  
TP32

Easting:  
298642

Northing:  
6257568

Artefacts:  
0



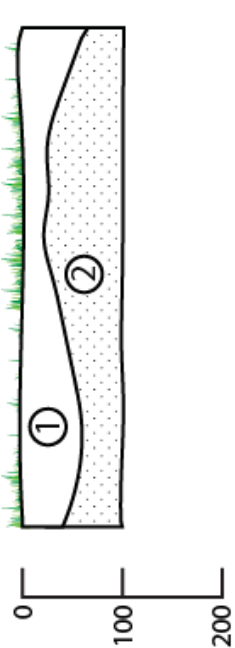
1. Compact, grey brown silty loam
2. Brown silty clay, mottled orange

Excavation Unit:  
TP33

Easting:  
298644

Northing:  
6257582

Artefacts:  
0



1. Compact, grey brown silty loam
2. Brown silty clay, mottled orange

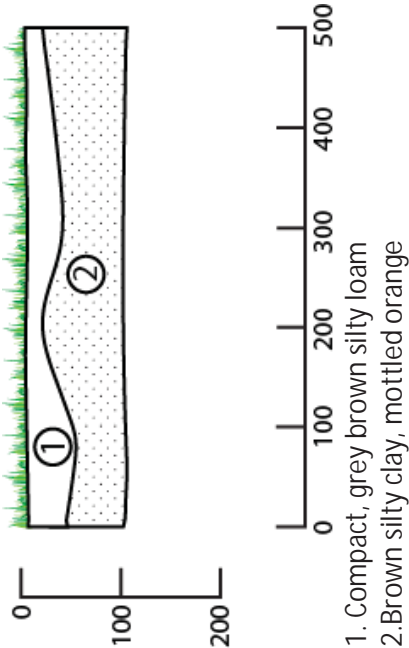


Excavation Unit:  
TP34

Easting:  
298647

Northing:  
6257594

Artefacts:  
1



## APPENDIX B: ARTEFACT CATALOGUE

Artefact ID	Site Name	Area	TP	Spit	Material		Artefact				Attributes		Dimensions (mm)			Cortex (%)
					Type	Colour	Reduction Type	Tool/ Core	Core Type	Notes	Platform Type	Termination Type	Length	Width	Thickness	
1	EFW South	2	16-A	1	SILCRETE	ORANGE	PROX FLAKE	-	-	-	PLAIN	-	11	11	2	0
2	EFW South	2	16-A	1	SILCRETE	ORANGE	DIST FLAKE	-	-	-	-	FEATHER	10	9	3	0
3	EFW South	2	16-A	1	SILCRETE	ORANGE	ANG FRAG	-	-	-	-	-	19	13	6	0
4	EFW South	2	16-A	1	SILCRETE	ORANGE	DIST FLAKE	-	-	-	-	FEATHER	21	15	4	0
5	EFW South	2	16-B	1	SILCRETE	ORANGE	COMP FLAKE	-	-	SINGLE FLAKE SCAR ON DORSAL	-	-	21	16	5	0
6	EFW South	2	16-B	1	SILCRETE	ORANGE	ANG FRAG	-	-	-	-	-	19	11	3	0
7	EFW South	2	16-C	1	SILCRETE	ORANGE	DIST FLAKE	-	-	-	-	FEATHER	10	15	4	0
8	EFW South	2	18	1	SILCRETE	RED	ANG FRAG	-	-	-	-	-	12	10	3	0
9	EFW South	2	18	1	SILCRETE	RED	ANG FRAG	-	-	-	-	-	10	5	2	0
10	EFW South	2	19	1	SILCRETE	ORANGE	DIST FLAKE	-	-	COARSE GRAINED	-	FEATHER	22	18	7	0
11	EFW South	2	27	2	SILCRETE	RED	ANG FRAG	-	-	-	-	-	11	9	6	0
12	EFW South	3	30	2	SILCRETE	ORANGE	COMP FLAKE	-	-	PLATFORM REMOVAL	PLAIN	AXIAL	10	16	6	5
13	EFW South	3	30	2	SILCRETE	RED	ANG FRAG	-	-	-	-	-	8	5	2	0
14	EFW South	3	34	1	SILCRETE	RED	ANG FRAG	-	-	-	-	-	9	6	1	0



artefact

Artefact Heritage

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Rose Bay 2029

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NSW Australia 2029

+61 2 9025 3058

[office@artefact.net.au](mailto:office@artefact.net.au)

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# APPENDIX D

## CONSULTATION LOG



Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Gordon Workman/Darug Land Observations	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Scott Franks/Tocomwall	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Celestine Everingham and Gordon Morton/DACHA	Sandra Wallace/Artefact	Letter	08-Oct-14	Letter with enclosed cover letter and excavation methodology for comment
Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Patricia Hampton/HSB Heritage Consultants	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Kerrie Slater/Wurruumay Consultants	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Des Dyer/Darug Aboriginal Landcare	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
John Reilly/Darug Tribal Aboriginal Corporation	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Steve Randall/Deerubbin Local Aboriginal Land Council	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Phillip Khan/Kamilaroi-Yankuntjatjara Working Group	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Cherie Carroll Turrise/Gunjeewong Cultural Heritage Aboriginal Corporation	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Leanne Watson/Darug Custodian Aboriginal Corporation	Sandra Wallace/Artefact	Email	08-Oct-14	Email with attached cover letter and excavation methodology for comment
Sandra Wallace/Artefact	Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Email	08-Oct-14	Email indicating that Glen has read the proposed excavation methodology and that KNAC has no issues with it
Alexander Timms/Artefact	Des Dyer/Darug Aboriginal Landcare	Email	10-Oct-14	Email with letter attached. Letter explains DAL agree with the recommendations and methodology. would like to see a plan of management be put in place to rebury artefacts some were close by once the development in completed
Gordon Workman/Darug Land Observations	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Scott Franks/Tocomwall	Sandra Wallace/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Celestine Everingham and Gordon Morton/DACHA	Alexander Timms/Artefact	Letter	17-Oct-14	Letter requesting field reps for test excavation. Notice of flat rate of \$350 per day
Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Patricia Hampton/HSB Heritage Consultants	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Kerrie Slater/Wurrumay Consultants	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Des Dyer/Darug Aboriginal Landcare	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
John Reilly/Darug Tribal Aboriginal Corporation	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Steve Randall/Deerubbin Local Aboriginal Land Council	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Phillip Khan/Kamilaroi-Yankuntjatjara Working Group	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Cherie Carroll Turrise/Gunjeewong Cultural Heritage Aboriginal Corporation	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Leanne Watson/Darug Custodian Aboriginal Corporation	Alexander Timms/Artefact	Email	17-Oct-14	Email requesting field reps for test excavation. Notice of flat rate of \$350 per day
Alexander Timms/Artefact	Patricia Hampton/HSB Heritage Consultants	Email	17-Oct-14	Patricia is available for any day of excavation. She accepts the flat rate of payment. Has attached her insurance details
Alexander Timms/Artefact	Des Dyer/Darug Aboriginal Landcare	Email	19-Oct-14	Des says that a rep will be available for the excavation
Alexander Timms/Artefact	Justine Coplin/Darug Custodian Aboriginal Corporation	Email	20-Oct-14	Email with letter attached. Confirming rep will be present for all five days. Requests confirmation, meeting time and location
Patricia Hampton/HSB Heritage Consultants	Alexander Timms/Artefact	Email	20-Oct-14	Emailed, thanking them for response. Indicated that I would be in touch shortly to confirm work
Des Dyer/Darug Aboriginal Landcare	Alexander Timms/Artefact	Email	20-Oct-14	Emailed, thanking them for response. Indicated that I would be in touch shortly to confirm work

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Justine Coplin/Darug Custodian Aboriginal Corporation	Alexander Timms/Artefact	Email	20-Oct-14	Emailed, thanking them for response. Indicated that I would be in touch shortly to confirm work
Steve Randall/Deerubbin Local Aboriginal Land Council	Alexander Timms/Artefact	Pers Comm	23-Oct-14	Spoke to Steve in regards to upcoming fieldwork - while out surveying at Tallawong Road. He indicated that he would only send reps if there were no other groups involved.
Gordon Workman/Darug Land Observations	Alexander Timms/Artefact	Phone	23-Oct-14	Gordon has indicated that he is extremely unimpressed with the flat-rate of pay. He described it as disrespectful and unfair. He indicate that he would be taking legal action to try to stop works on the site. I indicated that I understood his issues, but it was the proponent's decision.
Celestine Everingham and Gordon Morton/DACHA	Alexander Timms/Artefact	Phone	23-Oct-14	Spoke to Celestine about the upcoming fieldwork. She indicated that she was not happy with the flat-rate of pay. As it would mean that DACHA would lose money. She said she would talk to Gordon Morton to discuss the issue. They would let me know if they will have a representative available.
Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Alexander Timms/Artefact	Phone	23-Oct-14	Called and left a message. Asked Glen to call back.
Kerrie Slater/Wurrumay Consultants	Alexander Timms/Artefact	Phone	23-Oct-14	Optus message: saying phone cannot receive calls.
John Reilly/Darug Tribal Aboriginal Corporation	Alexander Timms/Artefact	Phone	23-Oct-14	Called and left a message. Asked John to call back.
Phillip Khan/Kamilaroi-Yankuntjatjara Working Group	Alexander Timms/Artefact	Phone	23-Oct-14	Phillip was not happy with the flat rate of pay. He indicated that it was unfair. He will have a discussion with other groups. He said he would get back to me.
Cherie Carroll Turrise/Gunjeewong Cultural Heritage Aboriginal Corporation	Alexander Timms/Artefact	Phone	23-Oct-14	Tried calling. Phone rings, then disconnects

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Alexander Timms/Artefact	John Reilly/Darug Tribal Aboriginal Corporation	Phone	23-Oct-14	Returned my earlier message. John indicated that they weren't happy with the flat rate. However he said that it was important to be involved in the project due to ancestral connection with the land. He said it would be difficult to organise. But he would have an answer to me by Monday 27 Oct.
Alexander Timms/Artefact	Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Phone	24-Oct-14	Returned my earlier message. Glen indicated that KNAC were not happy with the project. We discussed the rate of pay. He indicated that the project was a good one, in regards to the environment; however he disapproved of the treatment of Aboriginal Heritage. He believed that it was unfair that there was no negotiation or consultation in regards to the rate of pay. And the way it had been organised was Aboriginal tokenism. He understood the archaeologist role as messenger and indicated that he hoped we worked together in the future. However the group would not be participating in the field work at Eastern Creek. He said that he would email through a formal response shortly.
John Reilly/Darug Tribal Aboriginal Corporation	Alexander Timms/Artefact	Email	27-Oct-14	Email asking John if DTAC wished to send a representative to the field excavation. As John had indicated that he would let me know by today
Patricia Hampton/HSB Heritage Consultants	Alexander Timms/Artefact	Email	27-Oct-14	Email to confirm details of excavation. Outlines requirements. Request for confirmation
Des Dyer/Darug Aboriginal Landcare	Alexander Timms/Artefact	Email	27-Oct-14	Email to confirm details of excavation. Outlines requirements. Request for confirmation
Justine Coplin/Darug Custodian Aboriginal Corporation	Alexander Timms/Artefact	Email	27-Oct-14	Email to confirm details of excavation. Outlines requirements. Request for confirmation

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Alexander Timms/Artefact	Glen Freeman/Koomurri Ngunawal Aboriginal Corporation	Email	28-Oct-14	Email to indicate that KNAC will not be engaging any further in the proposed project due to the tokenistic nature of the remuneration offer from the proponent.
Alexander Timms/Artefact	John Reilly/Darug Tribal Aboriginal Corporation	Phone	28-Oct-14	John called to inform me that DTAC will not be participating in field work due to the low remuneration. He requested that the excavation results report be sent to DTAC still.
Alexander Timms/Artefact	Celestine Everingham and Gordon Morton/DACHA	Phone	30-Oct-14	Called to say that DACHA would be sending out a representative for fieldwork. Requested that information, including directions and site contact, be faxed to her.
Celestine Everingham and Gordon Morton/DACHA	Alexander Timms/Artefact	Fax	30-Oct-14	Fax to confirm details of excavation. Outlines requirements. Directions to site etc.
Gordon Workman/Darug Land Observations	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Scott Franks/Tocomwall	Sandra Wallace/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Celestine Everingham and Gordon Morton/DACHA	Alexander Timms/Artefact	Letter	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Patricia Hampton/HSB Heritage Consultants	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Kerrie Slater/Wurrumay Consultants	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Des Dyer/Darug Aboriginal Landcare	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
John Reilly/Darug Tribal Aboriginal Corporation	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Steve Randall/Deerubbin Local Aboriginal Land Council	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Phillip Khan/Kamilaroi-Yankuntjatjara Working Group	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Cherie Carroll Turrise/Gunjeewong Cultural Heritage Aboriginal Corporation	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015



Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Leanne Watson/Darug Custodian Aboriginal Corporation	Alexander Timms/Artefact	Email	26-Feb-15	Sent draft ACHAR for review. Review period ends 26 March 2015
Alexander Timms/Artefact	Justine Coplin/Darug Custodian Aboriginal Corporation	Email	03-Mar-15	Sent email with letter attachment. The letter says that the Darug community has a strong connection with the Eastern Creek area. The surrounding Aboriginal sites in the area are highly significant. DCAC indicated that the draft ACHAR 'is inclusive and the assessment is thorough with a good documentation of findings. They support the findings and recommendation within this report. '
Alexander Timms/Artefact	Des Dyer/Darug Aboriginal Landcare	Email	09-Mar-15	Email with letter attachment. DAL have no objections to the proposed area of development and agree with the recommendations and methodology. The letter indicated that the area is very important to the Darug people, as a food source. The group would like to see a plan of management to rebury the artefacts somewhere close by, once the development is completed.
Josh Symons/ Artefact	Celestine Everingham / DACHA	Phone	26-Mar-15	DACHA supports the reburial of retrieved artefacts in a conserved and protected area close to where they were retrieved from.

# APPENDIX E

COPIES OF CORRESPONDENCE



artefact

8 October 2014

Glen Freeman  
Koomurri Ngunawal Aboriginal Corporation  
PO Box 356  
DOONSIDE NSW 2767

Dear Glen,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

Thank you for registering as a stakeholder for the Energy from Waste (EFW), Eastern Creek Project. GML Heritage commenced consultation for this project on behalf of The Next Generation (TNG). Artefact Heritage is continuing this project and will be handling the next stages of the consultation process.

Urbis, on behalf of TNG (the Proponent), propose to develop an EFW facility at Eastern Creek. The proposed EFW works will include the construction of an Electricity Generation Plant; with ancillary works related to the preparation and subsequent operation of the EFW. The works will be located within Lots 1 to 3 of DP1145808, in the Blacktown City Council Local Government Area (LGA). The subject site is bounded by the M4 Western Motorway, the Hanson Wallgrove Quarry, Transmission line easement and Archbold Road (**Figure 1**).

An Archaeological Technical Report (ATR) and subsequent Aboriginal Cultural Heritage Assessment Report (ACHAR) was prepared by GML Heritage (GML) in 2014 for the EFW Eastern Creek Environmental Impact Statement (EIS). GML identified one area of moderate archaeological potential and two areas of high archaeological potential. However only one of these areas of archaeological potential will be directly impacted by the proposed works. The area is known as EFW South, and is located on an elevated area at the confluence of three waterlines in the southeast corner of the subject site. Therefore GML recommended that an archaeological test excavation to assess the nature, extent, condition and integrity of the site.

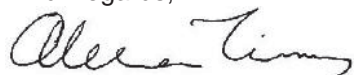
The project will be assessed under Part 4, Division 4.1 of the EP&A Act, which establishes an assessment and approval regime for State Significant Development (SSD). Part 4, Division 4.1 applies to development that is declared to be SSD by a State Environmental Planning Policy (SEPP). Section 89J of the EP&A Act specifies that approvals or permits under section 90 of the NPW Act 1974 are not required for approved SSD. However the ATR (GML 2014a) recommended that the test excavation be completed according to the OEH *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW*.

The aims of test excavation are to adequately identify the extent and nature of sub-surface potential archaeological deposit and to provide the proponent with recommendations on future requirements. Included with this letter is a draft version of the methodology for test excavation at EFW South, Eastern Creek. If you would like to provide written comments on the methodology, please forward them to me by **29 October 2014** at the following address:

Alexander Timms  
Artefact Heritage  
PO Box 772  
Rose Bay NSW 2029  
Email: [alex.timms@artefact.net.au](mailto:alex.timms@artefact.net.au)  
Phone: 9371 5635

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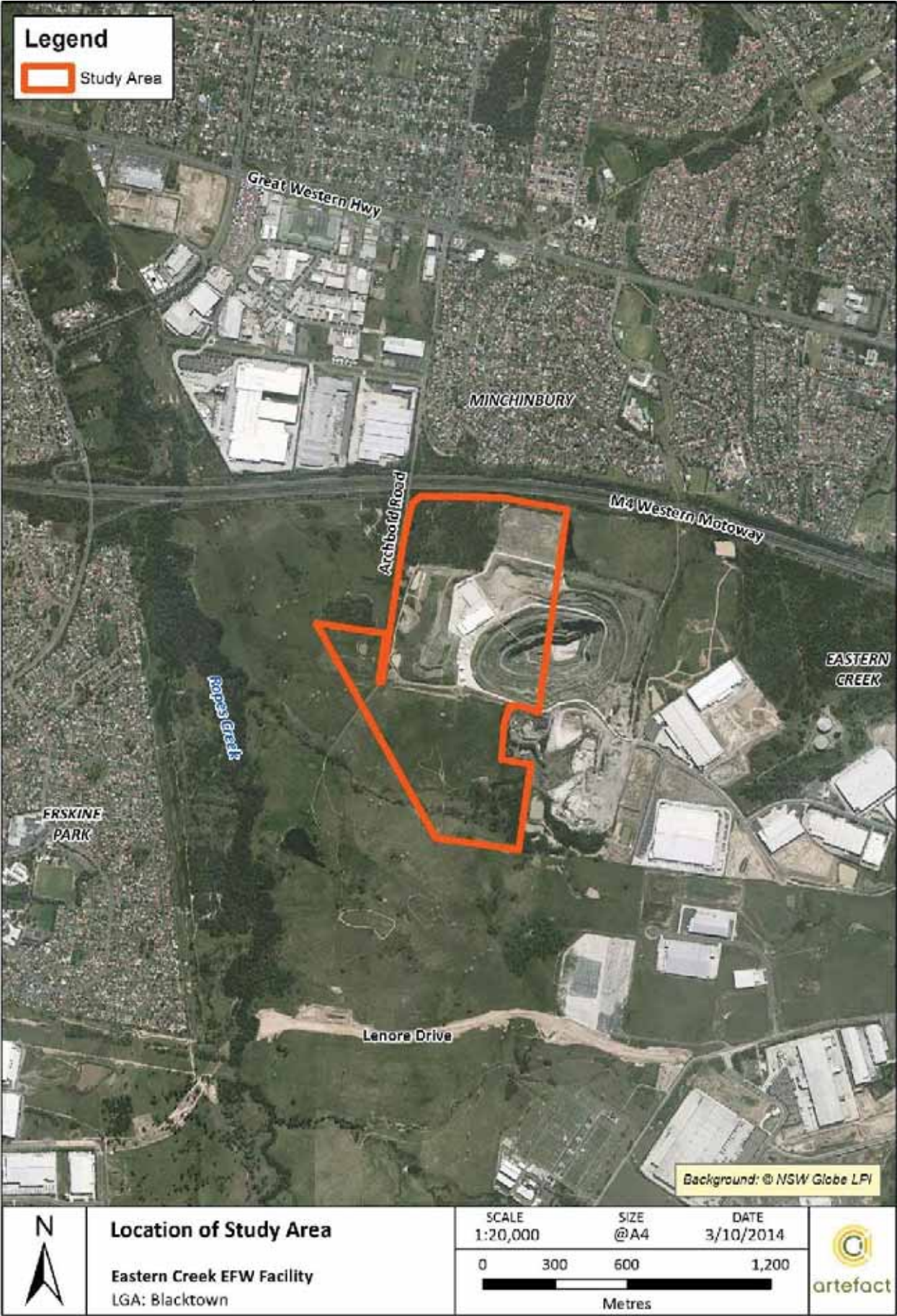
Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127



Figure 1: General location of study area







artefact

8 October 2014

John Reilly  
Darug Tribal Aboriginal Corporation  
PO Box 441  
BLACKTOWN NSW 2148

Dear John,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

Thank you for registering as a stakeholder for the Energy from Waste (EFW), Eastern Creek Project. GML Heritage commenced consultation for this project on behalf of The Next Generation (TNG). Artefact Heritage is continuing this project and will be handling the next stages of the consultation process.

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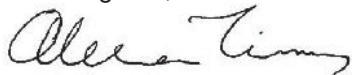
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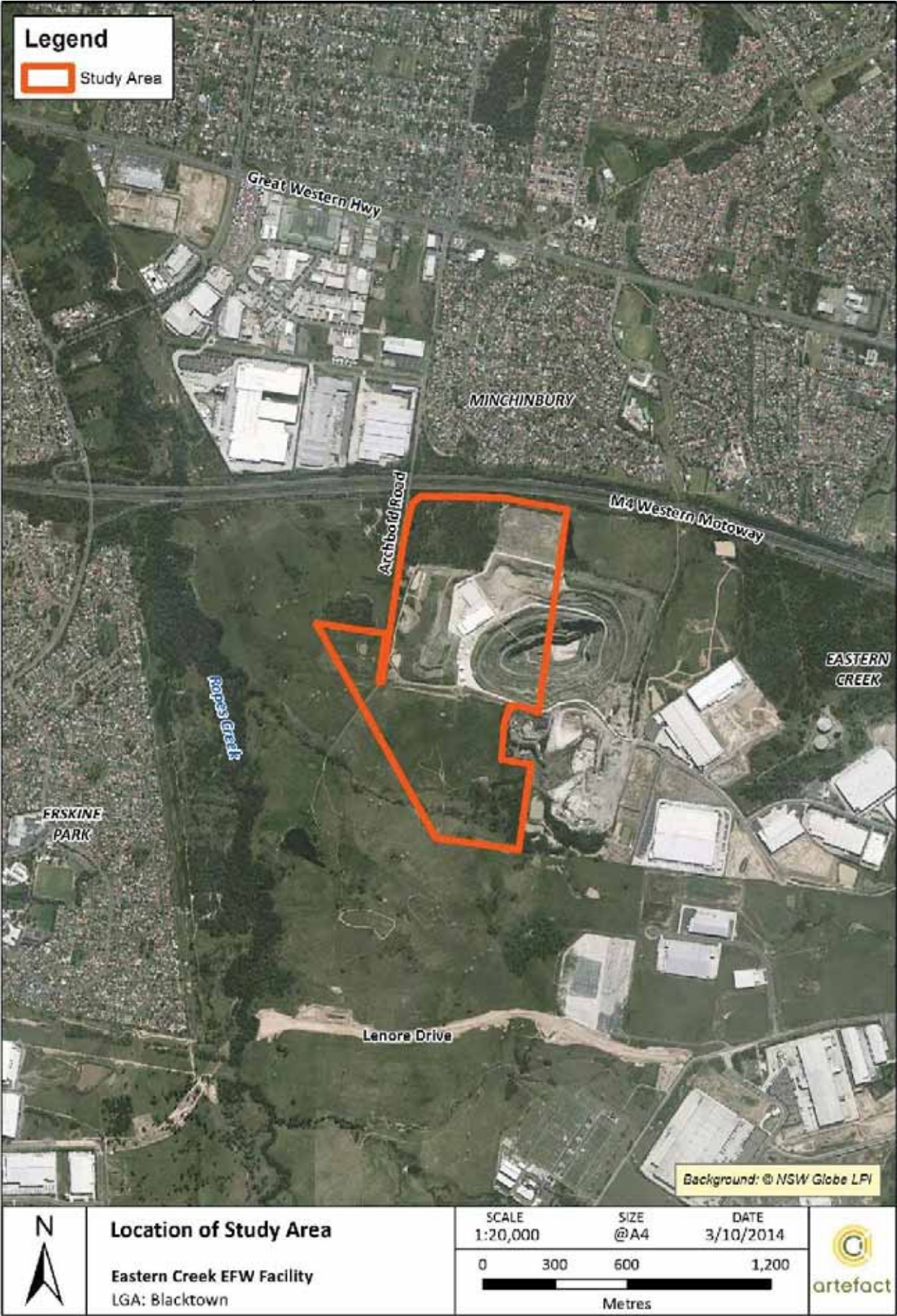
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Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127



Figure 1: General location of study area







artefact

8 October 2014

Cherie Carroll Turrise  
Gunjeewong Cultural Heritage Aboriginal Corporation  
1 Bellevue Place  
PORTLAND NSW 2847

Dear Cherie,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

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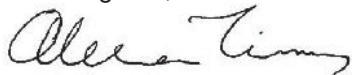
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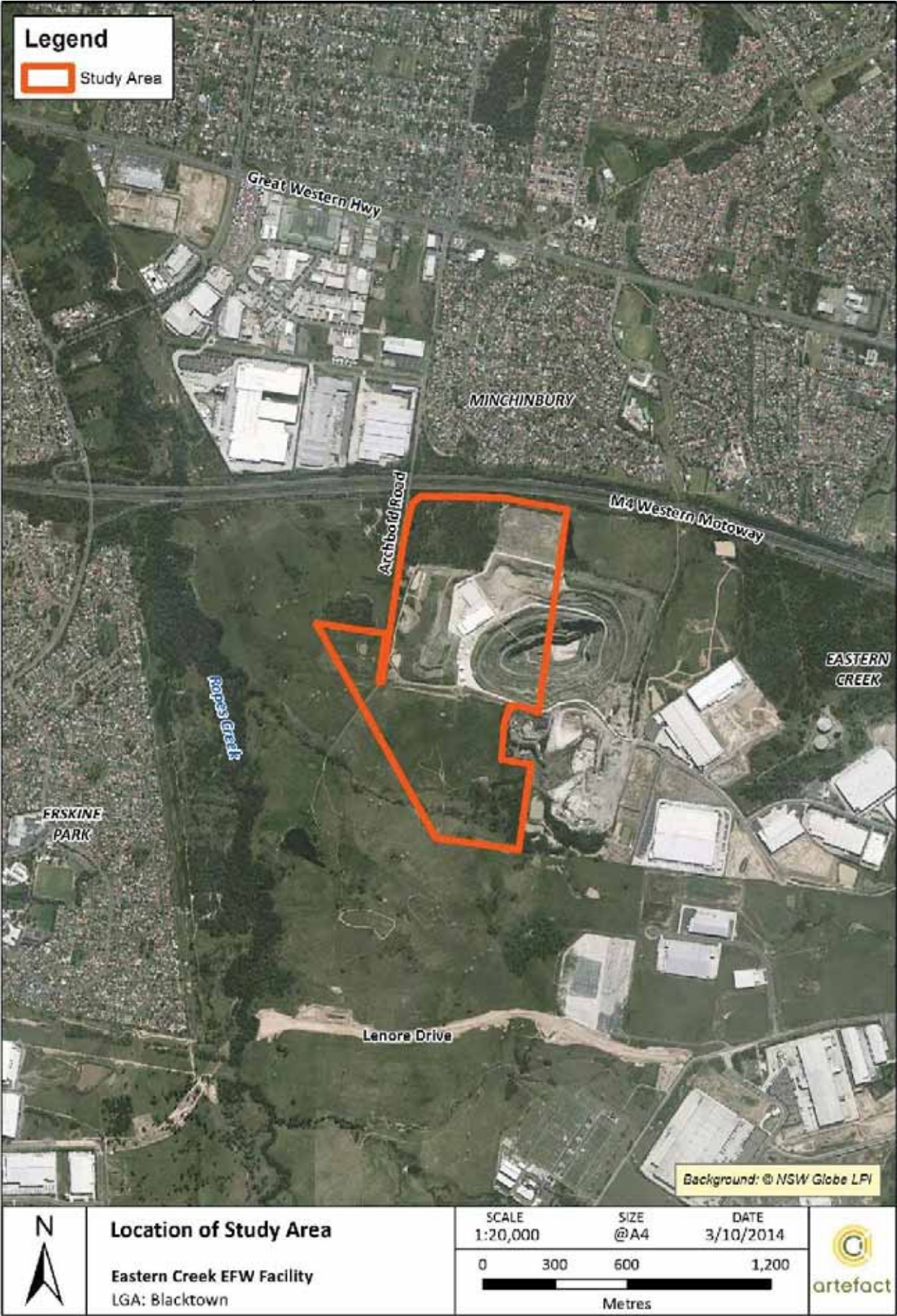
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Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127



Figure 1: General location of study area







artefact

8 October 2014

Patricia Hampton  
HSB Heritage Consultants  
62 Ropes Crossing Boulevard  
ROPES CROSSING NSW 2760

Dear Patricia,

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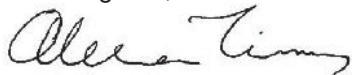
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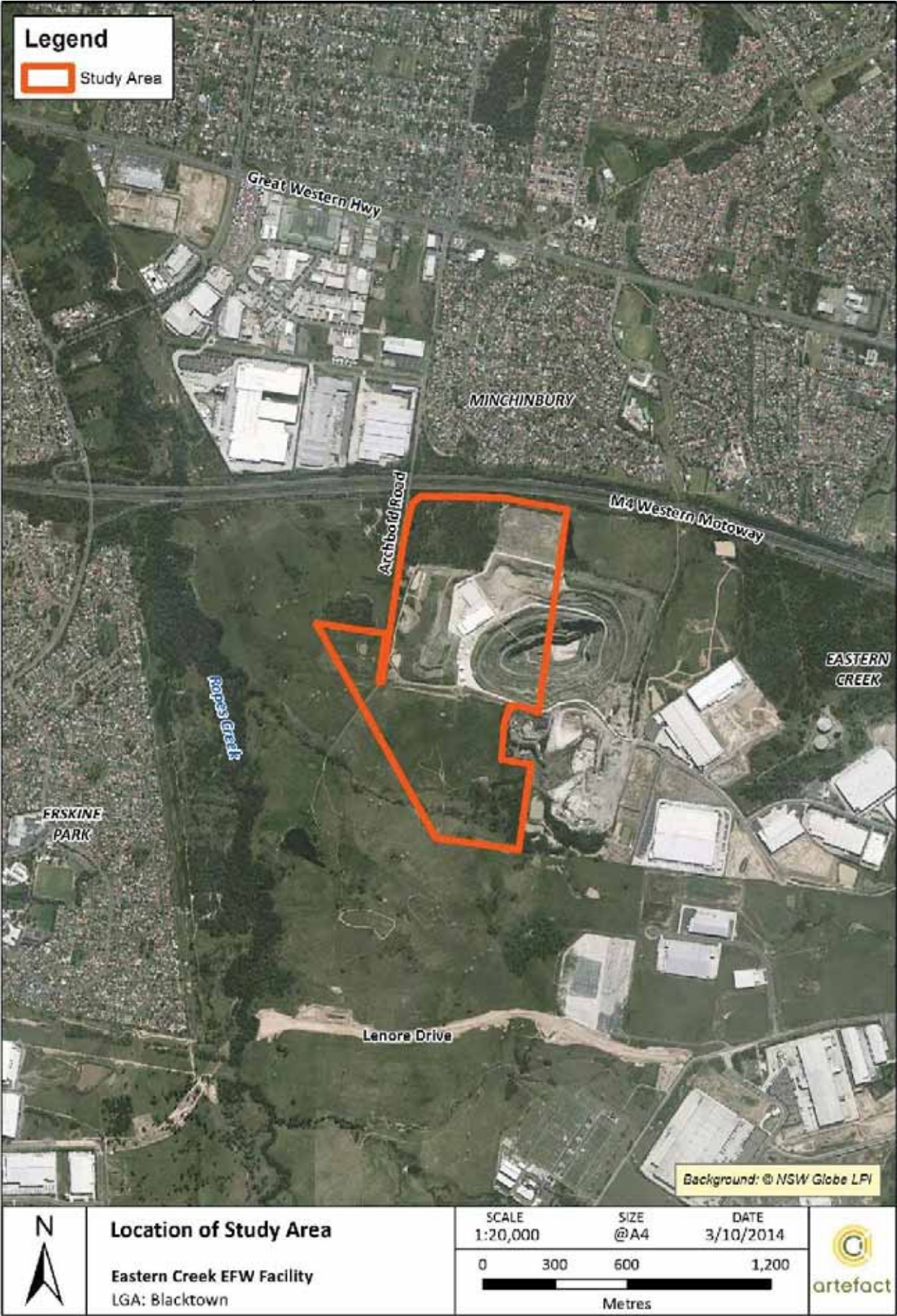
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Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127



Figure 1: General location of study area







artefact

8 October 2014

Kerrie Slater  
Wurrumay Consultants  
89 Pyramid Street  
EMU PLAINS NSW 2750

Dear Kerrie,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

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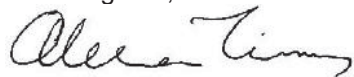
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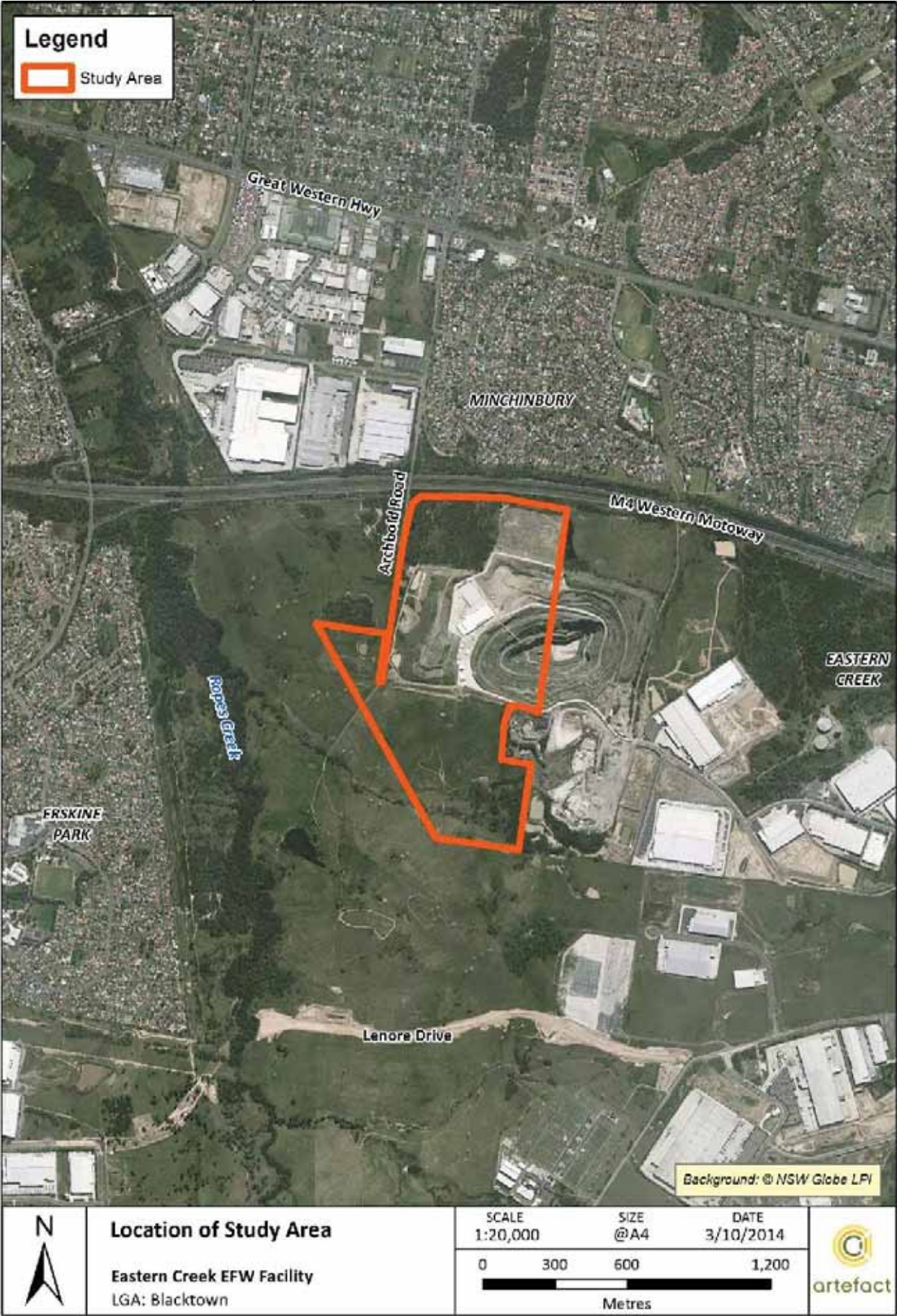


Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127





Figure 1: General location of study area





artefact

8 October 2014

Pollowan Phillip Khan  
Kamilaroi-Yankuntjatjara Working Group  
78 Forbes Street  
EMU PLAINS NSW 2750

Dear Mr Khan,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

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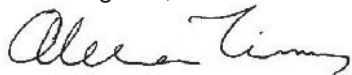
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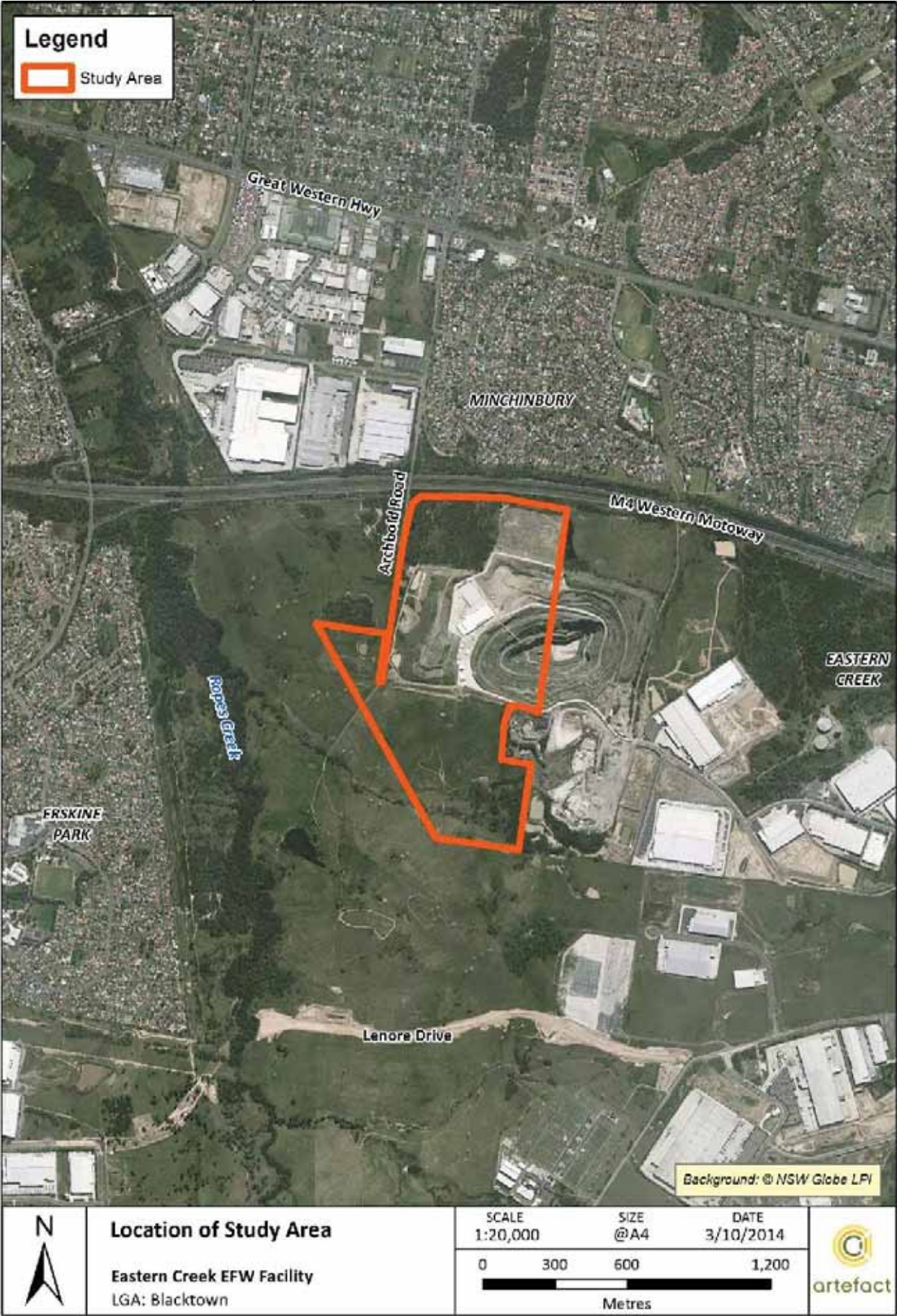


Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127





Figure 1: General location of study area





artefact

8 October 2014

Scott Franks  
Tocomwall  
PO Box 76  
CARINGBAH NSW 1495

Dear Scott,

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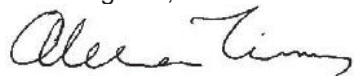
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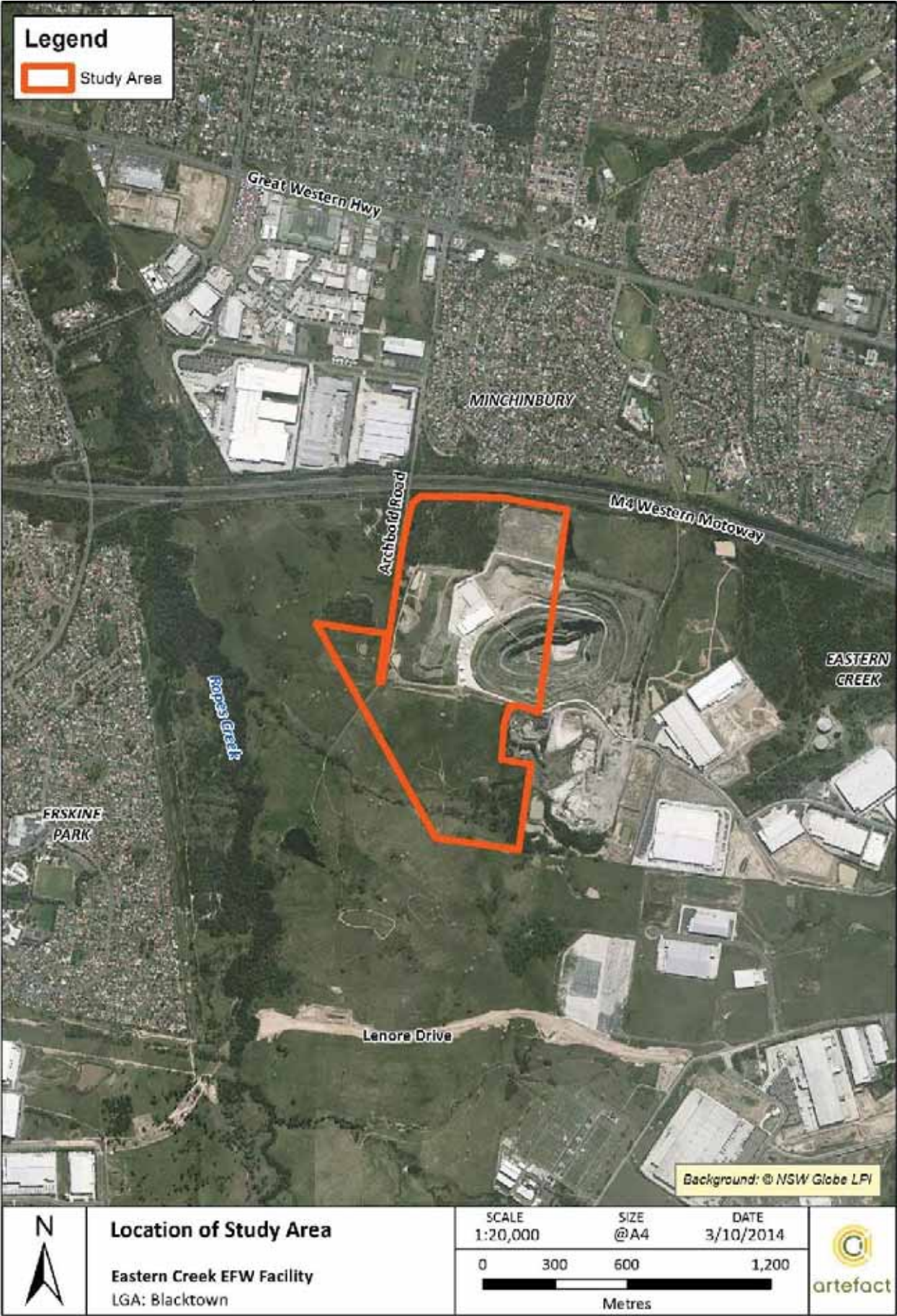


Kind Regards,



Alexander Timms  
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0447 911 127

Figure 1: General location of study area





artefact

8 October 2014

Celestine Everingham and Gordon Morton  
Darug Aboriginal Cultural Heritage Assessments  
9/6 Chapman Avenue  
CHATSWOOD NSW 2067

Dear Celestine,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

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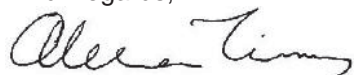
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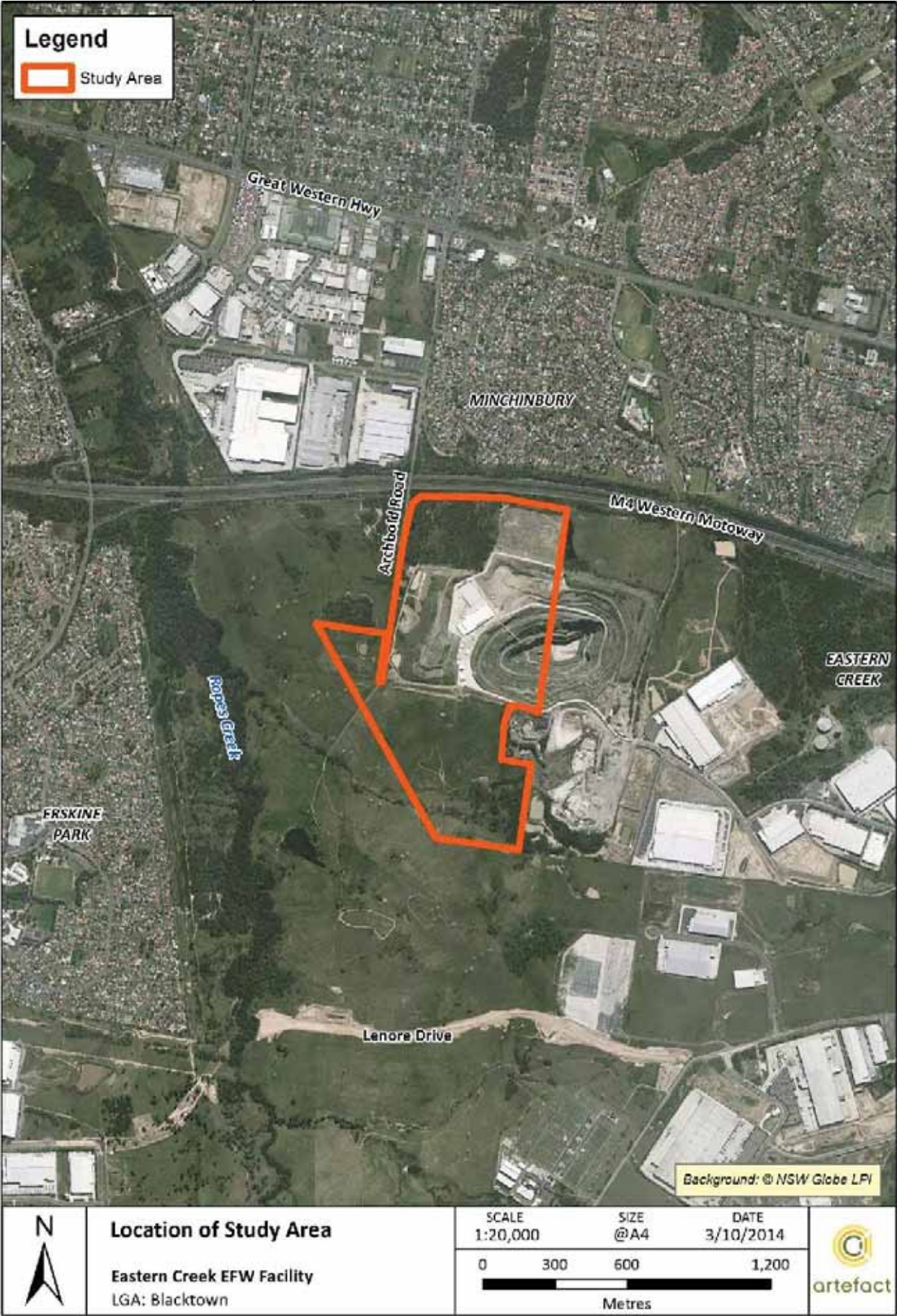


Alexander Timms  
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0447 911 127





Figure 1: General location of study area







artefact

8 October 2014

Leanne Watson  
Darug Custodian Aboriginal Corporation  
PO Box 81  
WINDSOR  
NSW 2756

Dear Leanne,

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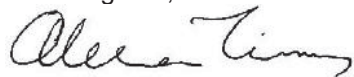
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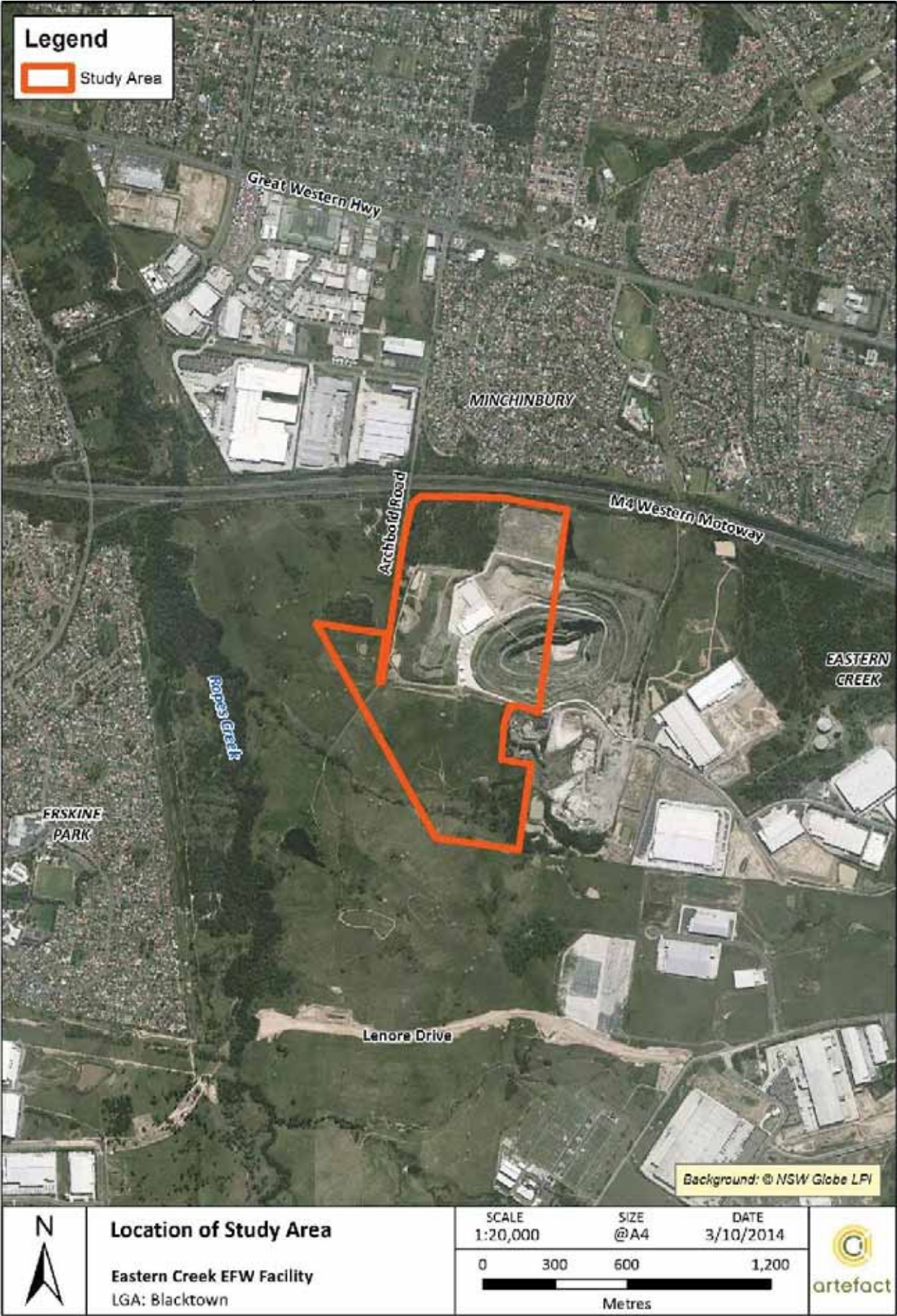
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Kind Regards,



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Figure 1: General location of study area







artefact

8 October 2014

Des Dyer  
Darug Aboriginal Landcare  
18a Perigee Close  
DOONSIDE NSW 2767

Dear Des,

**Re: Energy For Waste Facility, Eastern Creek – Draft archaeological test excavation methodology.**

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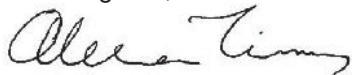
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Alexander Timms  
Artefact Heritage  
PO Box 772  
Rose Bay NSW 2029  
Email: [alex.timms@artefact.net.au](mailto:alex.timms@artefact.net.au)  
Phone: 9371 5635

If you would like to discuss any of the details of the methodology please call me either in the office on 9371 5635, or on my mobile 0447 911 127.

Kind Regards,

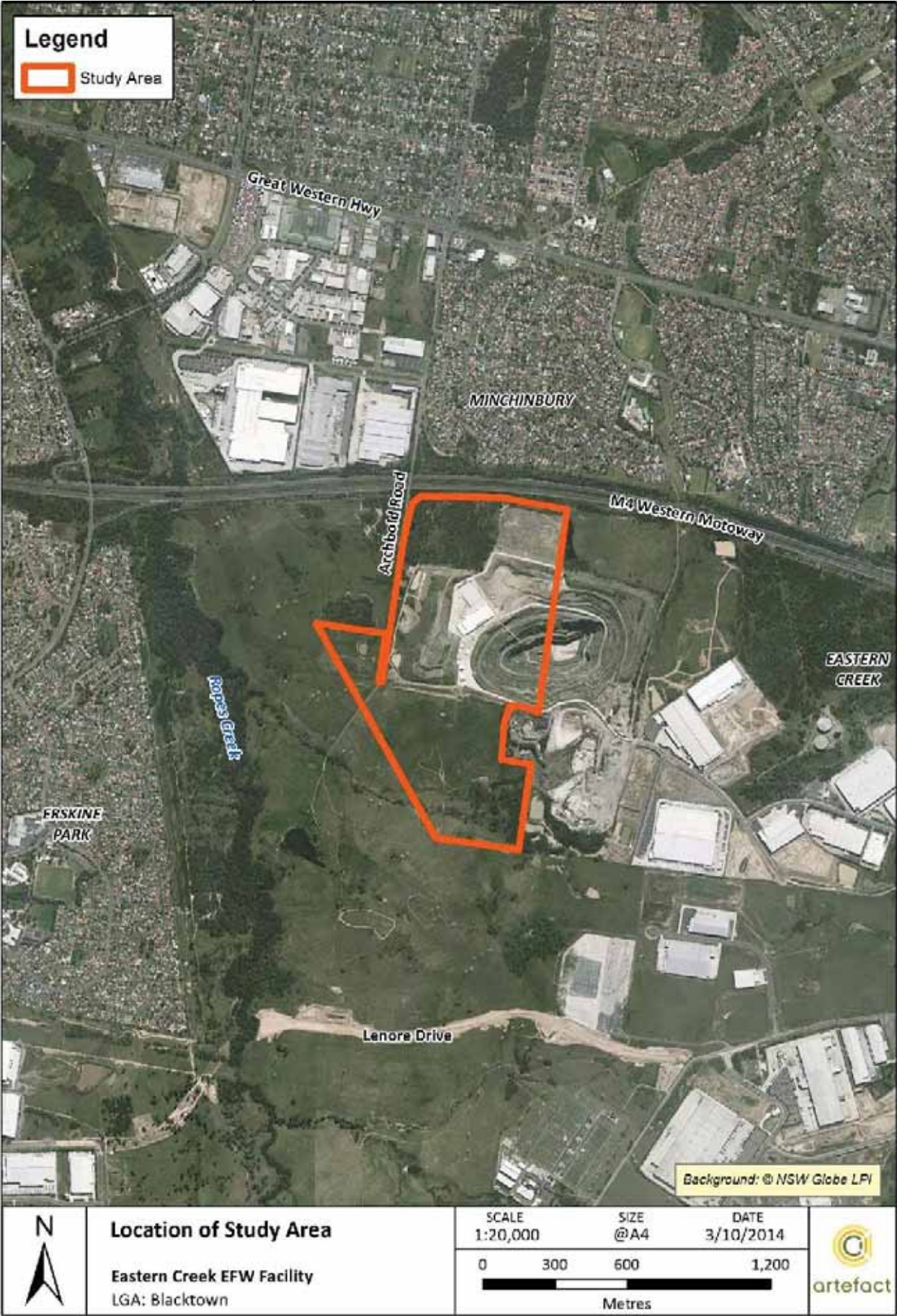


Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127





Figure 1: General location of study area





artefact

8 October 2014

Gordon Workman  
Darug Land Observations  
PO Box 571  
PLUMPTON NSW 2761

Dear Gordon,

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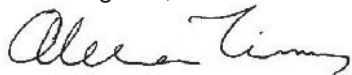
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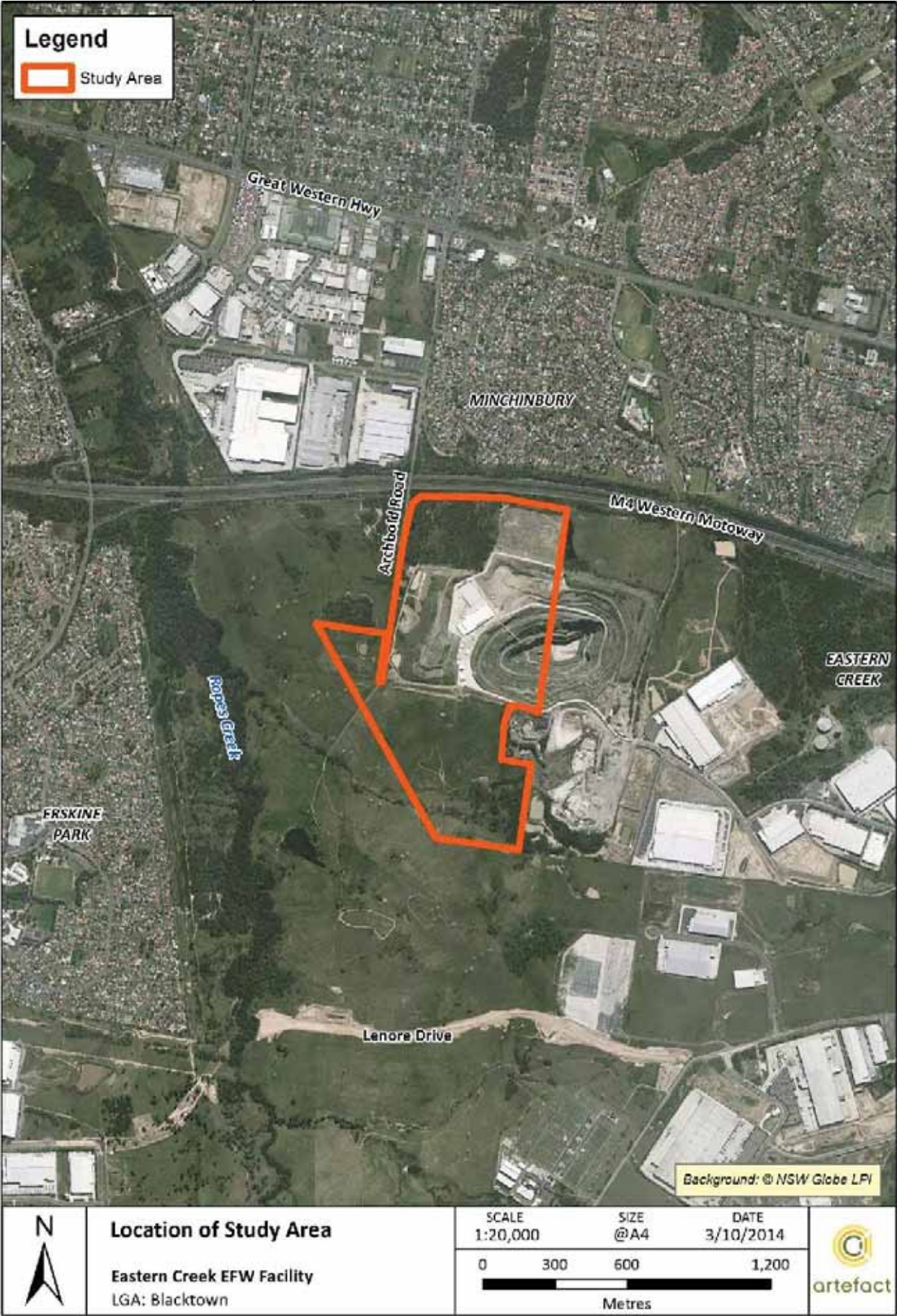


Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127





Figure 1: General location of study area





artefact

8 October 2014

Steve Randall  
Deerubbin Local Aboriginal Land Council  
PO Box 40  
Penrith NSW 2751

Dear Steve,

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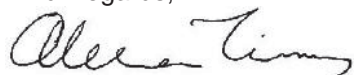
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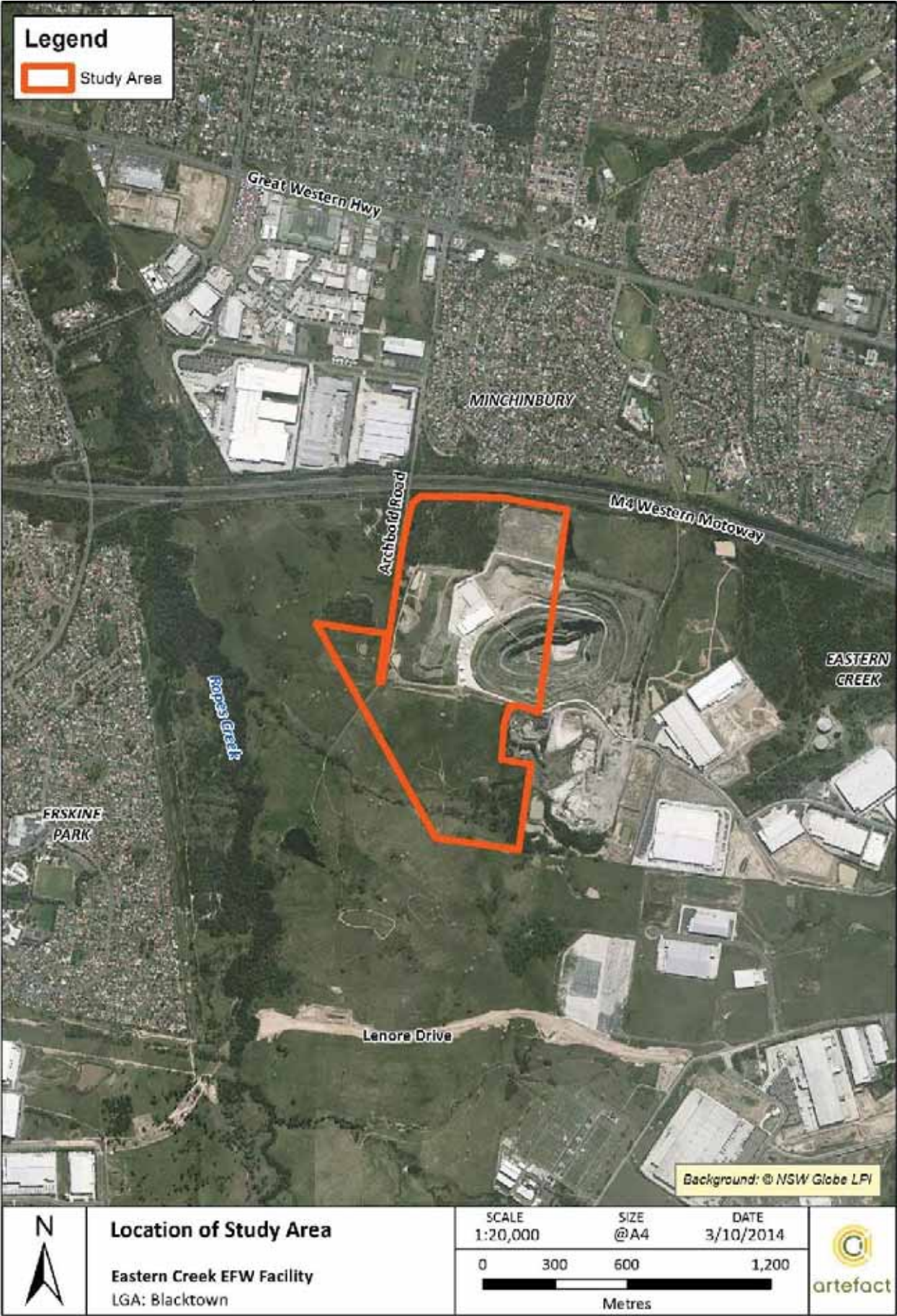
Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage  
alex.timms@artefact.net.au  
0447 911 127



Figure 1: General location of study area



## Alex Timms

---

**From:** Sandra Wallace <sandra.wallace@artefact.net.au>  
**Sent:** Thursday, 9 October 2014 8:01 AM  
**To:** 'Koomurri Ngunawal Aboriginal Corporation'  
**Cc:** alex.timms@artefact.net.au  
**Subject:** RE: EFW Eastern Creek test excavations

Thanks Glen,

We will keep in touch regarding the project and upcoming excavations.

Regards  
Sandra

---

**From:** Koomurri Ngunawal Aboriginal Corporation [mailto:koomurrinac@hotmail.com]  
**Sent:** Wednesday, 8 October 2014 4:00 PM  
**To:** Sandra Wallace  
**Subject:** RE: EFW Eastern Creek test excavations

Hi Sandra,

I have read the proposed methodology for this project and we at KNAC have no issues with it.

Looking forward to working with your team on this project.

Sincere Regards

Glen  
Director/ Contact KNAC

---

**From:** [sandra.wallace@artefact.net.au](mailto:sandra.wallace@artefact.net.au)  
**To:** [koomurriNAC@hotmail.com](mailto:koomurriNAC@hotmail.com)  
**CC:** [alex.timms@artefact.net.au](mailto:alex.timms@artefact.net.au)  
**Subject:** EFW Eastern Creek test excavations  
**Date:** Wed, 8 Oct 2014 09:04:12 +1100

Hi Glen,

Please find attached a cover letter and test excavation methodology for the EFW project at Eastern Creek.

Please don't hesitate to contact Alex or myself if you have any queries.

Kind regards  
Sandra

**Dr Sandra Wallace**

**Director**

**ARTEFACT**

**Telephone:** 61 2 90253958 **Direct:** 61 2 93718390 **Mobile:** 0403565086

**Address:** Level 1 / 716 New South Head Rd Rose Bay NSW 2029 | PO Box 772 Rose Bay NSW 2029

**Web:** [www.artefact.net.au](http://www.artefact.net.au)

Cultural Heritage Management | Archaeology | Heritage Interpretation

**Notice:** This message contains privileged and confidential information intended only for the use of the addressee. If you are not the intended recipient you must not disseminate, copy or take any action in reliance upon it. If you received this in error, please notify us immediately.

# Darug Aboriginal Landcare

Uncle Des Dyer



18 a Perigee Close  
Doonside  
NSW 2767  
ABN 71 301 006 047

Alexander Timms  
Archaeologist  
Artefact  
P O Box 772  
Rose Bay 2029  
NSW

Re: Energy Waste Facility, Eastern Creek :

Dear Ben,

The Darug Aboriginal Landcare/ Uncle Des Dyer have no objections to the proposed area of development.

We agree with the all your **recommendation and methodology**, in your report.  
The area is very important to the Darug people, as it's a place for food sours.

We would like to see a plan of management be put in place to rebury of artefacts some were close by once the development in completed.

. All land holds specific social, spiritual and cultural values to our organisation.  
We would like to thank you and look forward to working with you again

Respectfully yours,  
Des Dyer  
Site Officer  
Darug Aboriginal Land Care  
Fax (02) 88 14 95 47  
Mobile 0408 360 814



26 February 2015

Des Dyer  
Darug Aboriginal Landcare  
18a Perigee Close  
DOONSIDE NSW 2767

Dear Des Dyer,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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If you would like to comment on the draft ACHAR, please forward your comments to me by **26 March 2015** at the following address:

Alexander Timms  
Artefact Heritage  
Level 4, Building B, 35 Saunders Street  
Pyrmont NSW 2009  
Email: [alex.timms@artefact.net.au](mailto:alex.timms@artefact.net.au)  
Phone: 02 9518 8411

At the completion of the review period for the draft version of the ACHAR, the document will be finalised and incorporated into the EIS for the project

Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage

26 February 2015

Leanne Watson  
Darug Custodian Aboriginal Corporation  
PO Box 81  
WINDSOR NSW 2756

Dear Leanne Watson,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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Deerubbin Local Aboriginal Land Council  
PO Box 40  
PENRITH NSW 2751

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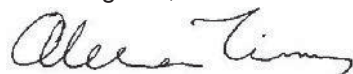
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26 February 2015

Gordon Workman  
Darug Land Observations  
PO Box 571  
PLUMPTON NSW 2761

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Heritage Consultant  
Artefact Heritage

26 February 2015

Scott Franks  
Tocomwall  
PO Box 76  
CARINGBAH NSW 1495

Dear Scott Franks,

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Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage



26 February 2015

Celestine Everingham and Gordon Morton  
Darug Aboriginal Cultural Heritage Assessments  
9/6 Chapman Avenue  
CHATSWOOD NSW 2067

Dear Celestine Everingham and Gordon Morton,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage

26 February 2015

Glen Freeman  
Koomurri Ngunawal Aboriginal Corporation  
PO Box 356  
DOONSIDE NSW 2767

Dear Glen Freeman,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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Kind Regards,



Alexander Timms  
Heritage Consultant  
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26 February 2015

Patricia Hampton  
HSB Heritage Consultants  
62 Ropes Crossing Boulevard  
ROPES CROSSING NSW 2760

Dear Patricia Hampton,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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Pyrmont NSW 2009  
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Phone: 02 9518 8411

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Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage

26 February 2015

Kerrie Slater  
Wurrumay Consultants  
89 Pyramid Street  
EMU PLAINS NSW 2750

Dear Kerrie Slater,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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Alexander Timms  
Heritage Consultant  
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26 February 2015

Des Dyer  
Darug Aboriginal Landcare  
18a Perigee Close  
DOONSIDE NSW 2767

Dear Des Dyer,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

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26 February 2015

John Reilly  
Darug Tribal Aboriginal Corporation  
PO Box 441  
BLACKTOWN NSW 2148

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Alexander Timms  
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26 February 2015

Steve Randall  
Deerubbin Local Aboriginal Land Council  
PO Box 40  
PENRITH NSW 2751

Dear Steve Randall,

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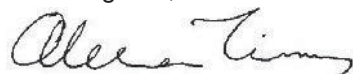
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26 February 2015

Pollowan Phillip Khan  
Kamilaroi-Yankuntjatjara Working Group  
78 Forbes Street  
EMU PLAINS NSW 2750

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Heritage Consultant  
Artefact Heritage

26 February 2015

Cherie Carroll Turrise  
Gunjeewong Cultural Heritage Aboriginal Corporation  
1 Bellevue Place  
PORTLAND NSW 2847

Dear Cherie Carroll Turrise,

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26 February 2015

Leanne Watson  
Darug Custodian Aboriginal Corporation  
PO Box 81  
WINDSOR NSW 2756

Dear Leanne Watson,

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26 February 2015

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Darug Tribal Aboriginal Corporation  
PO Box 441  
BLACKTOWN NSW 2148

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26 February 2015

Patricia Hampton  
HSB Heritage Consultants  
62 Ropes Crossing Boulevard  
ROPES CROSSING NSW 2760

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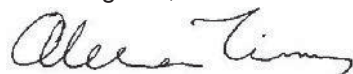
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26 February 2015

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26 February 2015

Scott Franks  
Tocomwall  
PO Box 76  
CARINGBAH NSW 1495

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Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage



26 February 2015

Kerrie Slater  
Wurrumay Consultants  
89 Pyramid Street  
EMU PLAINS NSW 2750

Dear Kerrie Slater,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

Thank you for registering as a stakeholder for the Energy from Waste (EFW), Eastern Creek Project. GML Heritage commenced consultation for this project on behalf of The Next Generation (TNG). Artefact Heritage is continuing this project and will be handling the final stages of the consultation process.

Urbis, on behalf of TNG (the Proponent), propose to develop an EFW facility at Eastern Creek. The proposed EFW works will include the construction of an Electricity Generation Plant; with ancillary works related to the preparation and subsequent operation of the EFW. The works will be located within Lots 2 and 3 of DP1145808, in the Blacktown City Council Local Government Area (LGA). The subject site is bounded by the M4 Western Motorway, the Hanson Wallgrove Quarry, Transmission line easement and Archbold Road (Figure 1).

The project will be assessed under Part 4, Division 4.1 of the EP&A Act, which establishes an assessment and approval regime for State Significant Development (SSD). Part 4, Division 4.1 applies to development that is declared to be SSD by a State Environmental Planning Policy (SEPP). Section 89J of the EP&A Act specifies that approvals or permits under section 90 of the NPW Act 1974 are not required for approved SSD. The ACHAR will be a supporting document for the Eastern Creek EFW Facility Environmental Impact Statement (EIS).

It is recommended that no further archaeological investigation of Aboriginal site EFW South (45-5-4491) is required prior to impacts. Aboriginal sites Archbold Road 1 (45-5-4492) and Archbold Road 2 (45-5-4493) are located outside of the development footprint and will be retained. Impact to these areas should be avoided during proposed works, by designating these areas conservation zones.

If you would like to comment on the draft ACHAR, please forward your comments to me by **26 March 2015** at the following address:

Alexander Timms  
Artefact Heritage  
Level 4, Building B, 35 Saunders Street  
Pyrmont NSW 2009  
Email: [alex.timms@artefact.net.au](mailto:alex.timms@artefact.net.au)  
Phone: 02 9518 8411

At the completion of the review period for the draft version of the ACHAR, the document will be finalised and incorporated into the EIS for the project

Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage

26 February 2015

Celestine Everingham and Gordon Morton  
Darug Aboriginal Cultural Heritage Assessments  
9/6 Chapman Avenue  
CHATSWOOD NSW 2067

Dear Celestine Everingham and Gordon Morton,

**Re: Energy For Waste Facility, Eastern Creek – Draft Aboriginal Cultural Heritage Assessment Report**

Thank you for registering as a stakeholder for the Energy from Waste (EFW), Eastern Creek Project. GML Heritage commenced consultation for this project on behalf of The Next Generation (TNG). Artefact Heritage is continuing this project and will be handling the final stages of the consultation process.

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Kind Regards,



Alexander Timms  
Heritage Consultant  
Artefact Heritage

# Darug Aboriginal Landcare

Uncle Des Dyer



18 a Perigee Close  
Doonside  
NSW 2767  
ABN 71 301 006 0

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Alexander Timms  
Artefact Heritage  
Level 4, Building B,  
35 Saunders Street  
Pyrmont 2009  
NSW

Re: Energy Waste, Eastern Creek

Dear Alexander,

The Darug Aboriginal Landcare/ Uncle Des Dyer have no objections to the proposed area of development.

We agree with the all your **recommendation and methodology**, in your report.  
The area is very important to the Darug people, as it's a place for food sours.

We would like to see a plan of management be put in place to rebury of artefacts some were close by once the development in completed.

. All land holds specific social, spiritual and cultural values to our organisation.  
We would like to thank you and look forward to working with you again

Respectfully yours,  
Des Dyer  
Site Officer  
Darug Aboriginal Land Care  
Fax (02) 88 14 95 47  
Mobile 0408 360 814



DARUG CUSTODIAN  
ABORIGINAL  
CORPORATION

PO BOX 81 WINDSOR 2756  
PHONE: 0245775181 FAX: 0245775098  
MOBILE: 0415770163 Leanne Watson  
0414962766 Justine Coplin  
EMAIL: mulgokiwi@bigpond.com / justinecoplin@optusnet.com.au

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**Attention: artefacts**

**Subject: DRAFT Aboriginal Cultural Heritage Assessment Report**

Dear Alex

Our group is a non- profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

Our groups founding members lived in the Eastern Creek area for many years, this is an area that our group has knowledge and connection to. This is a Darug landscape with evidence of continued occupation throughout the landscape. The Darug history and sites in this area have been closed off due to private land tenure for many years, only a small percentage has been previously accessible during development assessments at land holders discretion.

The surrounding sites in this area are highly significant, We have received and reviewed the DRAFT Aboriginal Cultural Heritage Assessment Report, the report is inclusive and the assessment is thorough with a good documentation of findings. We support the findings and recommendation within this report.

During the assessment our group is concerned with the amount of groups consulted from out of the area and also personal profit groups, this area has traditional owners with knowledge all other groups that would like to be consulted should receive documentation but not employment.

Please contact us with all further enquiries on the above contacts.

Regards

Justine Coplin