

A photograph of a natural landscape featuring a field of tall, dry grass in the foreground, a dense line of green trees and shrubs in the middle ground, and a hillside in the background under a cloudy sky. The bottom of the page is overlaid with a blue and green geometric design.

Kariong Sand and Soil Supplies: Aboriginal Cultural Heritage Assessment

FINAL REPORT

Prepared for Jackson Environment and Planning Pty Ltd

23 September 2020

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Contents

Glossary.....	iv
Summary	1
1 Introduction	4
1.1 Project background	4
1.2 Study area.....	7
1.3 Proposed development.....	7
1.4 Planning approvals	8
1.5 Restricted and confidential information.....	8
1.6 Aboriginal cultural heritage	8
1.6.1 General description	8
1.6.2 Tangible Aboriginal cultural heritage.....	8
1.6.3 Intangible Aboriginal cultural heritage	9
1.6.4 Statutory.....	9
1.6.5 Values.....	9
2 Study area context.....	12
2.1 Topography and hydrology	12
2.2 Soil landscapes	12
2.3 Climate and rainfall	13
2.4 Landscape resources	13
2.5 European land use history.....	14
3 Aboriginal cultural heritage context	17
3.1 Ethnohistory.....	17
3.2 Aboriginal cultural heritage in the study area	17
3.3 Interpretation of past Aboriginal land use	21
4 Aboriginal community consultation	22
4.1 Stage 1: Notification of project proposal and registration of interest	22
4.1.1 Identification of relevant Aboriginal stakeholders.....	22
4.1.2 Public notice	23
4.1.3 Registration of Aboriginal parties	23
4.2 Stage 2 and 3: Presentation of information about the proposed project and gathering information about cultural significance – methodology information.....	23
4.2.1 Information gathered during fieldwork	23
4.3 Stage 4: Review of draft ACHA report.....	24
5 Aboriginal cultural significance assessment.....	25
5.1 Introduction to the assessment process.....	25
5.2 Cultural (social significance) values.....	26
5.3 Historic values.....	26

5.4	Archaeological (scientific significance) values.....	27
5.5	Aesthetic values.....	27
5.6	Statement of significance.....	27
6	Development limitations and mitigation measures.....	28
6.1	Predicted physical impacts	28
6.2	Management and mitigation measures	28
7	Recommendations	29
	References.....	31
	Appendices	33
Appendix 1	Consultation log	34
Appendix 2	Stage 1: Notification of project proposal and registration of interest	38
Appendix 3	Stage 2 and 3: Presentation of information about the proposed project and project methodology	39
Appendix 4	Stage 4: Review of draft cultural heritage assessment report	40
Appendix 5	Archaeological report.....	41

Tables

Table 1	List of registered Aboriginal parties and group contact.....	1
Table 2	SEAR requirement and comments received for the project and where they have been addressed in the ACHA	4
Table 3	Sydney Town soil landscape characteristics (Murphy 1993).....	12

Figures

Figure 1	Location of the study area	10
Figure 2	Study area detail	11
Figure 3	1966 aerial imagery of the study area and locality	15
Figure 4	1984 aerial imagery of the study area and locality	16

Glossary

ACHA	Aboriginal Cultural Heritage Assessment
AHIMS	Aboriginal Heritage Information Management System
consultation requirements	<i>Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010</i> (DECCW 2010a)
DA	Determining Authority
DECCW	Department of Environment, Climate Change and Water (now EES)
DP	Deposited Plan
EES	Environment, Energy and Science GROUP
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
IPC	Independent Planning Commission
ICOMOS	International Council on Monuments and Sites
LALC	Local Aboriginal Land Council
LEP	Local Environmental Plan
LGA	Local Government Area
NNTT	National Native Title Tribunal
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NPWS	National Parks and Wildlife Service
NSW	New South Wales
NTSCORP	Native Title Services Corporation
RAPs	Registered Aboriginal Parties
SEPP	State Environmental Planning Policy
SSD	State Significant Development

Summary

Biosis Pty Ltd was commissioned by Jackson Environment and Planning Pty Ltd to undertake an Aboriginal Cultural Heritage Assessment (ACHA) of a proposed development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD) at 90 Gindurra Road, Somersby, New South Wales (NSW) (the study area). The site is located in the Somersby Industrial Estate and is located approximately 4 kilometres west of the Gosford central business district (CBD). It encompasses 10.8 hectares of private land and the adjacent road reserves.

The SSD will be assessed under Section 4.36 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Independent Planning Commission (IPC) under delegation from the Minister of Planning.

There are 36 Aboriginal cultural heritage sites registered with the Aboriginal Heritage Information Management System (AHIMS) register in the vicinity of the study area.

Consultation

The Aboriginal community was consulted regarding the heritage management of the project throughout its lifespan. Consultation has been undertaken as per the process outlined in the DECCW document, *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The appropriate government bodies were notified and advertisements placed in the Central Coast Express newspaper (27 June 2019) which resulted in the following Aboriginal organisations registering their interest (Table 1):

Table 1 List of registered Aboriginal parties and group contact

Organisation	Contact person
Darkinjung Local Aboriginal Land Council	Amanda Shields and Barry Williams
Widescope Indigenous Group	Steven Hickey
Corroborree Aboriginal Corporation	Marilyn Carroll-Johnson
Awabakal & Guringai Pty Ltd	Tracey Howie & Kerrie Brauer
A1 Indigenous Services	Carolyn Hickey
-	Sharon Hodgetts

A search conducted by the Office of the Registrar, *Aboriginal Land Rights Act 1983* listed no Aboriginal Owners with land within the study area. A search conducted by the National Native Title Tribunal (NNTT) listed no Registered Native Title Claims, Unregistered Claimant Applications or Registered Indigenous Land Use Agreements within the study area, as the area is freehold and this extinguishes Native Title.

Upon registration, the Aboriginal parties were invited to provide their knowledge on the study area and to provide feedback on the provided Methodology document supplied to all Registered Aboriginal Parties (RAPs) on 25 July 2019.

Darkinjung Local Aboriginal Land Council (LALC) responded to the original assessment for the study area (Biosis Pty Ltd 2018) via the major projects website. Darkinjung LALC had no issues or comments on the original assessment.

Biosis received one response from A1 Indigenous Services on 11 August 2019. A1 Indigenous Services supports the methodology for the project.

Awabakal & Guringai Pty Ltd requested on 4 September 2019 that a field investigation be carried out.

No further comments were received from Darkinjung LALC, Corroboree Aboriginal Corporation, Sharon Hodgetts, or Widescope Indigenous Group. Responses from the RAPs are included in Appendix 3 and Appendix 4.

No responses were received commenting on the cultural significance of the study area therefore the outcome of the consultation process with the RAPs so far is that the study area currently has an unknown level of cultural significance. The results of the consultation process are included in this document.

Results

An archaeological field investigation of the study area was undertaken by Mathew Smith (Project Archaeologist, Biosis) on 2 February 2018, with two representatives of the Darkinjung Local Aboriginal Land Council, Anthony Freeman and Timothy Oliver. A supplementary field investigation of the study area was conducted on Wednesday 11 September 2019 by Taryn Gooley (Team Leader – Heritage, Biosis), Tracey Howie (Awabakal & Guringai Pty Ltd) and Robert Pankhurst (Guringai Elder). No previously unrecorded Aboriginal cultural heritage sites were identified during the field investigation, and no areas of (archaeological) sensitivity were identified. Due to the high levels of disturbance identified in the northern section and the lack of sandstone exposures and overhangs suitable for rock, engravings, shelters and grinding grooves, there is low potential for Aboriginal sites to be present within the study area.

The suspected location of rock engraving site SIE 26 approximately 60 metres to the west of the study area was inspected by the field team during the supplementary field investigation. Areas of sandstone cropping were noted, however dense vegetation was observed and no engravings were identified. Robert Pankhurst indicated that the engraving is located within the area mapped by AMBS (Plate 2) and that the engraving is likely covered by soil deposits, leaf litter and illegally dumped rubbish. Tracey Howie and Robert Pankhurst indicated they were satisfied that the proposed works will not impact on previously unrecorded Aboriginal objects, or engravings and that by implementing appropriate controls such as boundary fencing the works will not impact on rock engraving site SIE 26.

Management recommendations

Prior to any development impacts occurring within the study area, the following is recommended:

Recommendation 1: No further archaeological investigation required

No further archaeological investigation or works are required to be undertaken for the study area. The study area has been assessed as having low archaeological potential and no further investigations are required in this area. This recommendation is conditional upon Recommendations 2 to 5.

Recommendation 2: Boundary fencing

Appropriate boundary fencing is recommended to be used in order to clearly outline the boundary of the study area and to ensure that the proposed works will not impact upon rock engraving SIE 26.

Recommendation 3: Recording of SIE 26 on AHIMS

The engraving site, SIE 26, is to be recorded on AHIMS. Further investigation and conservation efforts are to be conducted by either the landholder or Environment, Energy and Science GROUP (EES).

Recommendation 4: Discovery of unanticipated Aboriginal objects and discovery of Aboriginal ancestral remains

All Aboriginal objects and places are protected under the *National Parks and Wildlife Act 1974* (NPW Act). It is an offence to knowingly disturb an Aboriginal site without a consent permit issued by EES. Should any Aboriginal objects be encountered during works associated with this proposal, works must cease in the vicinity and the find should not be moved until assessed by a qualified archaeologist. If the find is determined to be an Aboriginal site or object the archaeologist will provide further recommendations. These may include notifying EES and Aboriginal stakeholders.

Aboriginal ancestral remains may be found in a variety of landscapes in NSW, including middens and sandy or soft sedimentary soils. If any suspected human remains are discovered during any activity you must:

1. Immediately cease all work at that location and not further move or disturb the remains.
2. Notify the NSW Police and EES's Environmental Line on 131 555 as soon as practicable and provide details of the remains and their locations.
3. Not recommence work at that location unless authorised in writing by EES.

Recommendation 5: Continued consultation with the registered Aboriginal parties

As per consultation requirements it is recommended that the proponent provides a soft copy of this report to the Aboriginal stakeholders for comment. The proponent should continue to inform these groups about the management of Aboriginal cultural heritage sites within the study area throughout the life of the project.

1 Introduction

1.1 Project background

Biosis Pty Ltd has been commissioned by Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to undertake an Aboriginal Cultural Heritage Assessment (ACHA) for the Kariong Sand and Soils Supplies project located at 90 Gindurra Road, Somersby, New South Wales (NSW) (Figure 1). The project is to be assessed as a SSD under Section 4.36 of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the IPC under delegation from the Minister of Planning.

This report details the investigation, consultation and assessment of Aboriginal cultural heritage undertaken for the study area.

There are 35 Aboriginal cultural heritage sites registered with the Aboriginal Heritage Information Management System (AHIMS) register, both within the study area as well as in the vicinity.

Table 2 below details the SEAR requirements and comments received for this project and details Biosis response and where they have been addressed in the ACHA.

Table 2 SEAR requirement and comments received for the project and where they have been addressed in the ACHA

Agency	Requirement/comment	Response/where addressed
SEARs	A detailed assessment of Aboriginal cultural heritage	This ACHA provides a detailed assessment of Aboriginal cultural heritage within the study area.
	An assessment of environmental heritage, including identification of measures to mitigate and manage impacts on the adjoining heritage conservation area and items of heritage significance.	Outlined in Section 6, and Table 5 of the <i>Kariong Sand and Soils Supplies (Lot 4 DP 227279), Historical Heritage Assessment</i> (Biosis Pty Ltd 2018).
Central Coast Council	Include with the development application, an Aboriginal Heritage Due Diligence Assessment in accordance with the Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (DECCW, 2010). Include any potential indirect impacts to the mapped Aboriginal object/site that may occur from the proposed activities on the site (e.g. runoff, dust, vibration, etc.)	This ACHA provides a detailed assessment of Aboriginal cultural heritage within the study area. An assessment of impacts and mitigation measures is outlined in Section 6 below. Recommendation 2 and 3 outlines mitigation measures to be implemented to ensure the proposed works do not impact on Aboriginal sites located outside of the study area.
OEH	The EIS must identify and describe Aboriginal cultural heritage values that exist across the whole area that will be affected by the Kariong Sand and Soil Supplies Facility Upgrade Project and document these in the EIS. This may include the need for surface survey and test excavation. The	This ACHA has been conducted in accordance with the <i>Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW</i> (DECCW, 2011). The field investigation and Aboriginal community consultation completed as part of this

Agency	Requirement/comment	Response/where addressed
	identification of cultural heritage values should be guided by the Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011) and consultation with OEH regional officers.	assessment determined the study area has low archaeological potential due to the existing disturbance and did not recommend test excavations as a result. Refer to Section 4 of the Archaeological Report (Appendix 5).
	Where Aboriginal cultural heritage values are identified, consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the Kariong Sand and Soil Supplies Facility Upgrade Project.	Biosis prepared an ACHA for this project in accordance with the <i>Guide to investigation, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2010)</i> . Details of consultation can be found in Section 4 and Appendices 1 – 4.
	Impacts on Aboriginal cultural heritage values are to be assessed and documented in the EIS. The EIS must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH.	An assessment of impacts and mitigation measures is outlined in Section 6
	The assessment of cultural heritage values must include a surface survey undertaken by a qualified archaeologist in areas with potential for subsurface Aboriginal deposits. The result of the surface survey is to inform the need for targeted subsurface test excavation to better assess the integrity, extent, distribution, nature and overall significance of the archaeological record. The results of the surface surveys and test excavations undertaken at this stage are to be documented in the EIS.	Biosis completed an archaeological field investigation for the project in 2018 and 2019 and determined that the study area had been heavily disturbed and that there was low potential for Aboriginal sites or objects to remain. Therefore test excavations were not recommended. Refer to Section 4 of the Archaeological Report (Appendix 5).
	The EIS must outline procedures to be followed if Aboriginal objects are found at any stage of the life of the Kariong Sand and Soil Supplies Facility Upgrade Project to formulate appropriate measures to manage unforeseen impacts.	See Recommendation 4.
	The EIS must outline procedures to be followed in the event Aboriginal burials or skeletal material is uncovered during construction to formulate appropriate measures to manage the impacts of	See Recommendation 4.

Agency	Requirement/comment	Response/where addressed
	this material.	
Comments on EIS from Public Exhibition (Feb – Mar 2019)		
Office of Environment and Heritage	OEH recommends that an Aboriginal cultural heritage assessment report be prepared for the project, in accordance with the <i>Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW</i> (DECCW 2011).	Biosis prepared an ACHA for this project in accordance with the <i>Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW</i> (DECCW 2011).
	OEH recommends that the Aboriginal archaeological assessment report be revised to clarify the scope and objectives of the assessment and ensure they align with the requirements of the <i>Code of practice for archaeological investigation of Aboriginal objects in NSW</i> (DECCW 2010).	Biosis prepared an ACHA for the project and clarified the scope and objectives of the assessment. The ACHA was completed according to the <i>Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW</i> (DECCW 2010) and the <i>Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW</i> (DECCW 2011).
	OEH recommends that the Aboriginal archaeological assessment be revised and updated to adequately identify and describe all known Aboriginal cultural heritage sites within or surrounding the proposed development area, including those identified by previous studies of the Somersby Industrial Park.	Biosis completed an ACHA for the project and identified AHIMS sites located within the vicinity of the study area, including SIE 26 a rock engraving site identified by J. C. Lough and Associates (1981) that was determined not to be located within the study area.
	OEH recommends that a new search of the Aboriginal Heritage Information Management System be undertaken for the project, and the results considered and incorporated into the revised and updated Aboriginal archaeological assessment report.	A new AHIMS search was completed on 29 May 2019, and details of the AHIMS search can be found in Appendix 5, Section 3.2.3.
	OEH recommends that a formal Aboriginal community consultation process should be undertaken for the project in accordance with the <i>Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010</i> (DECCW 2010). The outcomes of consultation should inform the preparation of an ACHAR for the project.	Aboriginal community consultation was undertaken as part of this ACHA in line with the <i>Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010</i> (DECCW 2010). Details of consultation can be found in Section 4 and Appendix 1 - Appendix 4.
Public submission – Save Somersby Form Letter	Possible destruction of commonly occurring Aboriginal artefacts in the area.	Biosis completed an archaeological field investigation for the project in 2018 and 2019 and determined that the study area had been heavily disturbed and that there was low potential for Aboriginal sites or objects to remain. See Section 4 of Appendix 5.

1.2 Study area

The study area is located in the Somersby Industrial Estate and is located approximately 4 kilometres west of the Gosford CBD (Figure 1). It encompasses 10.8 hectares of private and the adjacent road reserves.

The study area is within the:

- Central Coast Local Government Area (LGA).
- Parish of Gosford.
- County of Northumberland (Figure 2).

The study area is bounded by Gindurra Road to the north, Kangoo Road to the south, rural residential houses to the east, and bushland to the west.

1.3 Proposed development

The Kariong Sand and Soil Supplies development will involve the construction and operation of a best practice recycling and landscape supplies facility that will enable the receipt of up to 200,000 tonnes of sand, soil and building materials each year. The project transform the site into a state-of-the-art facility turning sand, soil and building materials into 100% recycled building and landscaping supplies. The facility aims to produce a number of building and landscape products, providing them for re-use mainly in the Central Coast region.

The proposed development will seek to expand the current facility into a best-practice recycling plant that will assist the Central Coast in achieving the NSW Government's target of an 80% recycling rate for construction and demolition waste by 2021.

The project will involve the development of a largely undeveloped industrial site, to enable the facility to be used to receive, process and recycle construction and demolition waste, as well as supply building and landscape supplies for local projects. All waste materials will be received and processed indoors, to minimise impacts on the environment and neighbours.

The front part that will be visible from Gindurra Rd will be the landscaping supply operations, including landscaping along the road frontage and landscape storage bays behind the set back area. A fully enclosed warehouse where sorting and recycling operations will be conducted will be visible from the front of the site. Along the eastern boundary, a noise barrier and a native landscape buffer will be planted to avoid noise impacts on nearby rural dwellings, and to provide an aesthetically pleasing interface between the edge of the Somersby Industrial Estate and nearby rural zone lots and dwellings.

Waste processing and recycling operations for selected materials, including crushing and mulching will be done on the southern section of the site, where processing will also be done in dedicated buildings to avoid any impacts on nearby land uses. These operations are to be conducted at maximum distance from any sensitive receptors. The southern section of the site will be retained as bushland to provide a natural buffer between the development and other residential areas more than a kilometre away from the southern boundary of the site.

Advanced water capture, rainwater harvesting, water treatment and dust suppression systems will be integrated in all buildings and outdoor areas to prevent dust being formed. The site will also include an advanced membrane filtration plant to enable much of the water captured from the site to be fully reused across the site for operational uses. The site will also include its own weather monitoring station, high volume air samplers for continuous air quality and dust analysis, and continuous noise loggers to confirm compliance with consent and licence conditions. The site will be fully serviced with fire suppression systems.

1.4 Planning approvals

The proposed development will be assessed against Part 4 of the *Environmental Planning and Assessment Act 1979* NSW (EP&A Act). Other relevant legislation and planning instruments that will inform this assessment include:

- Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*.
- NPW Act.
- NSW *National Parks and Wildlife Amendment Act 2010*.
- Infrastructure State Environmental Planning Policy (SEPP) 2007.
- Gosford Local Environmental Plan 2014 (LEP).
- Gosford Development Control Plan 2013.

1.5 Restricted and confidential information

All restricted and confidential information has been removed from the ACHA and AR.

1.6 Aboriginal cultural heritage

1.6.1 General description

According to Allen and O'Connell (2003), Aboriginal people have inhabited the Australian continent for the last 50,000 years.

In NSW, according to Bowler et al. (2003), Aboriginal people have occupied the land for over 42,000 years. However, preliminary evidence presented by Biosis (2016) from a subsurface testing program in south-western NSW suggests Aboriginal people may have occupied the semi-arid zone of the region for 50,000 years.

Without being part of the Aboriginal culture and the productions of this culture, it is not possible for non-Aboriginal people to fully understand the meaning of site, objects and places to Aboriginal people – only to move closer towards understanding this meaning with the help of the Aboriginal community. Similarly, definitions of Aboriginal culture and cultural heritage without this involvement constitute outsider interpretations.

With this preface Aboriginal cultural heritage broadly refers to things that relate to Aboriginal culture and hold cultural meaning and significance to Aboriginal people (DECCW 2010a, p.3). There is an understanding in Aboriginal culture that everything is interconnected. In essence Aboriginal cultural heritage can be viewed as potentially encompassing any part of the physical and/or mental landscape, that is, 'Country' (DECCW 2010a, p.iii).

Aboriginal people's interpretation of cultural value is based on their 'traditions, observance, lore, customs, beliefs and history' (DECCW 2010a, p.3). The things associated with Aboriginal cultural heritage are continually and actively being defined by Aboriginal people (DECCW 2010a, p.3). These things can be associated with traditional, historical or contemporary Aboriginal culture (DECCW 2010a, p.3).

1.6.2 Tangible Aboriginal cultural heritage

Three categories of tangible Aboriginal cultural heritage may be defined:

- Things that have been observably modified by Aboriginal people.

- Things that may have been modified by Aboriginal people but no discernible traces of that activity remain.
- Things never physically modified by Aboriginal people (but associated with Dreamtime Ancestors who shaped those things).

1.6.3 Intangible Aboriginal cultural heritage

Examples of intangible Aboriginal cultural heritage would include memories of stories and 'ways of doing', which would include language and ceremonies (DECCW 2010a, p.3).

1.6.4 Statutory

Currently Aboriginal cultural heritage, as statutorily defined by the NPW Act, consists of objects and places which are protected under Part 6 of the Act.

Aboriginal objects are defined as:

any deposit, object or material evidence...relating to the Aboriginal habitation of the area that comprises NSW, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains

Aboriginal places are defined as a place that is or was of special Aboriginal cultural significance. Places are declared under section 84 of the NPW Act.

1.6.5 Values

Aboriginal cultural heritage is valued by Aboriginal people as it is used to define their identity as both individuals and as part of a group (DECCW 2010a, p.iii). More specifically it is used:

- To provide a:
 - 'Connection and sense of belonging to Country' (DECCW 2010a, p.iii).
 - Link between the present and the past (DECCW 2010a, p.iii).
- As a learning tool to teach Aboriginal culture to younger Aboriginal generations and the general public (DECCW 2010a, p.3).
- As further evidence of Aboriginal occupation prior to European settlement for people who do not understand the magnitude to which Aboriginal people occupied the continent (DECCW 2010a, p.3).

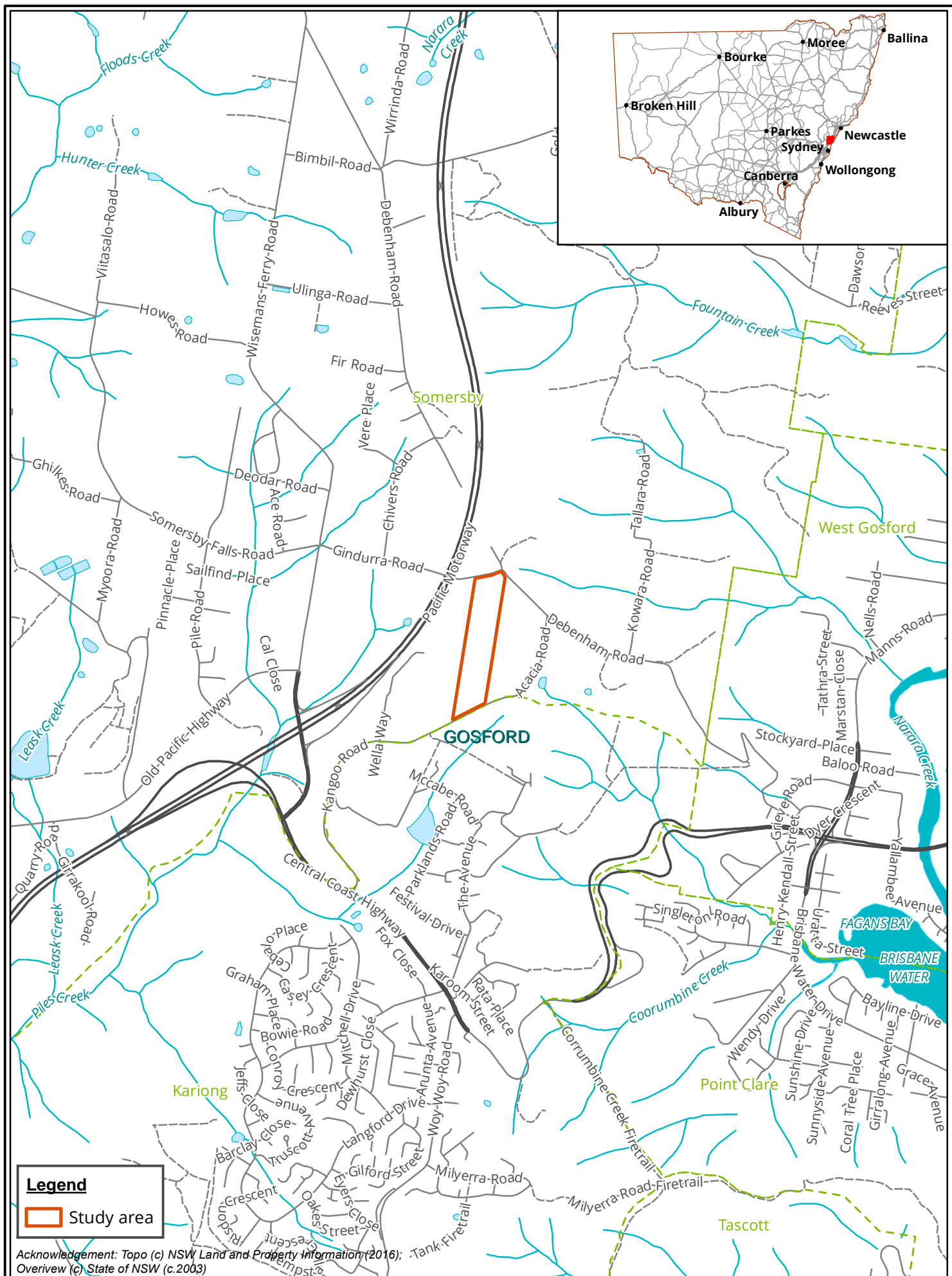
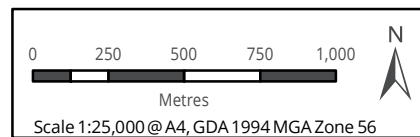


Figure 1 Location of the study area



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Matter: 30096
Date: 31 July 2019,
Checked by: AV, Drawn by: AEDM, Last edited by: amurray
Location: P:\30000s\30096\Mapping\





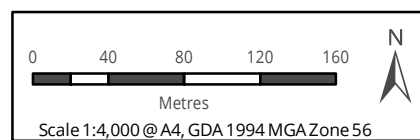
Acknowledgement: Topo (c) NSW Land and Property Information (2016);
Overview (c) State of NSW (c 2003)



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Figure 2 Study area detail

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2 Study area context

This section discusses the study area in regards to its landscape, environmental and Aboriginal cultural heritage context. This section should be read in conjunction with the archaeological report attached in Appendix 5. The background research has been undertaken in accordance with the *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b) (the Code).

2.1 Topography and hydrology

The study area is located within a slope with a first order stream, located approximately 100 metres north east of the study area. The study area is also located within the Hawkesbury Sandstone geological unit which overlies the Narrabeen group of the Sydney Basin. The Hawkesbury Sandstone geological unit consists of medium to coarse-grained quartz sandstone with minor shale and laminate lenses with a maximum thickness of 290 metres. This dominant pure quartzose sandstone produces sandy soils, particularly upon flat ridgelines. The Hawkesbury Sandstone unit was formed by alluvial to deltaic processes which are evident from current bedding. Red-brown concentric bands present within the sandstone unit have been formed post deposition, and have been produced by weathering. The Hawkesbury Sandstone unit is highly resistant to erosion, and vertical cliff formations within this geological unit are formed from vertical joint fractures where sandstone breaks off along softer thin horizontal layer of shales within the sandstone formation (Geoscience Australia 2019).

2.2 Soil landscapes

Soil landscapes have distinct morphological and topological characteristics that result in specific archaeological potential. Because they are defined by a combination of soils, topography, vegetation and weathering conditions, soil landscapes are essentially terrain units that provide a useful way to summarise archaeological potential and exposure.

The Sydney Town soil landscape is present within the study area. It is topographically characterised by undulating to rolling hills and moderately inclined slopes on quartz sandstone along the edge of the Somersby Plateau. The slope gradient of this soil landscape ranges from 5-25%. Sandstone beaches occasionally occur and are often exposed along narrow incised drainage lines. The soils within the landscape are highly permeable, and strongly acidic with very low fertility, and are subject to permanent waterlogging and present a very high erosion hazard (refer to Table 3).

Table 3 Sydney Town soil landscape characteristics (Murphy 1993)

Soil Material	Description
Sydney Town 1 (st1)	20 – 100cm of loose brown sand or sandy loam, with apedal single grained structure and porous sandy fabric that usually occurs as topsoil. Ranges from dark brown (10YR 3/2) when organic matter content is high to greyish yellow brown (10YR 6/2, 10YR 5/2, 10YR 4/2) when organic matter content is low. Soil colour often becomes lighter with depth. Sandstone fragments, charcoal and roots are common.
Sydney Town 2 (st2)	50 – 150cm of earthy bright brown sandy clay loam, with apedal massive structure and porous earthy fabric that usually occurs as a subsoil. Soil colours are bright and are commonly yellowish brown (10YR 6/8, 2.5YR 6/6, 2.5YR 6/7, 2.5YR 6/8) and brown (7.5YR

Soil Material	Description
Sydney Town 3 (st3)	5/8). Sandstone fragments are common, but charcoal and roots become less. 50 - 150cm of strong pedal clay, with strong pedal structure when dry, and apedal when saturated. This soils possesses a rough-faced ped fabric and commonly occurs as subsoil from shale lenses within the Hawksbury Sandstone. Soil colour ranges from bright reddish brown (5YR 5/6) in well drained areas to light grey (10YR 8/1) in poorly drained areas. Stratified ironstone gravels are common within this soil material.
Sydney Town 4 (st4)	50 – 150cm of grey massive mottled sand clay loam with apedal massive structure and porous earthy fabric. This soil material generally occurs as a subsoil in wet areas. The soil colour is characterised by pallid grey soil colours such as light grey (2.5Y 7/1) and greyish yellow (2.5Y 6/2). In wet situations there are often rusty piped mottles around root traces. Sandstone and charcoal fragments are rare or absent, and few roots are present.

2.3 Climate and rainfall

The closest weather station is located in Gosford (Narara Research Station, site number 061087), approximately 10.4 kilometres away from the study area. The mean maximum temperature in summer is 27.6°C, with a mean minimum temperature of 17.2°C. During winter the mean maximum temperature is 17.9°C, with mean minimum temperature of 4.8°C (BOM 2019). Annually the mean maximum average is 23°C with a mean minimum average temperate of 11.1°C (BOM 2019). The mean rainfall recorded during summer occurs in February with 154.7 millimetres, and the mean rainfall recorded during winter occurs in August with 72.4 millimetres (BOM 2019). Annually the area receives 1,328.7 millimetres (BOM 2019).

2.4 Landscape resources

The study area would have originally been vegetated by low eucalypt open-woodland and scrub, which has been extensively cleared throughout the Sydney Town soil landscape. The Sydney Town soil landscape would have generally provided a number of resources used by Aboriginal inhabitants. Common native species would have included the Scribbly Bark *Eucalyptus haemastoma*, Brown Stringy Bark *Eucalyptus capitellata*, Red Bloodwood *Eucalyptus gummifera*, Smooth-barked Apple *Angophora costata*, Sydney Peppermint *Eucalyptus piperita* and Old Man Banksia *Banksia serrata*. Common understorey shrubs include Grey Spider Flower *Grevillea spp.*, Flaky-barked Tea-tree *Leptospermum attenuatum* and Drumsticks *Isopogon spp.*. Poorly drained areas support scrubland of Heath Banksia *Banksia ericifolia* and Dagger Hakea *Hakea teretifolia* (Murphy 1993).

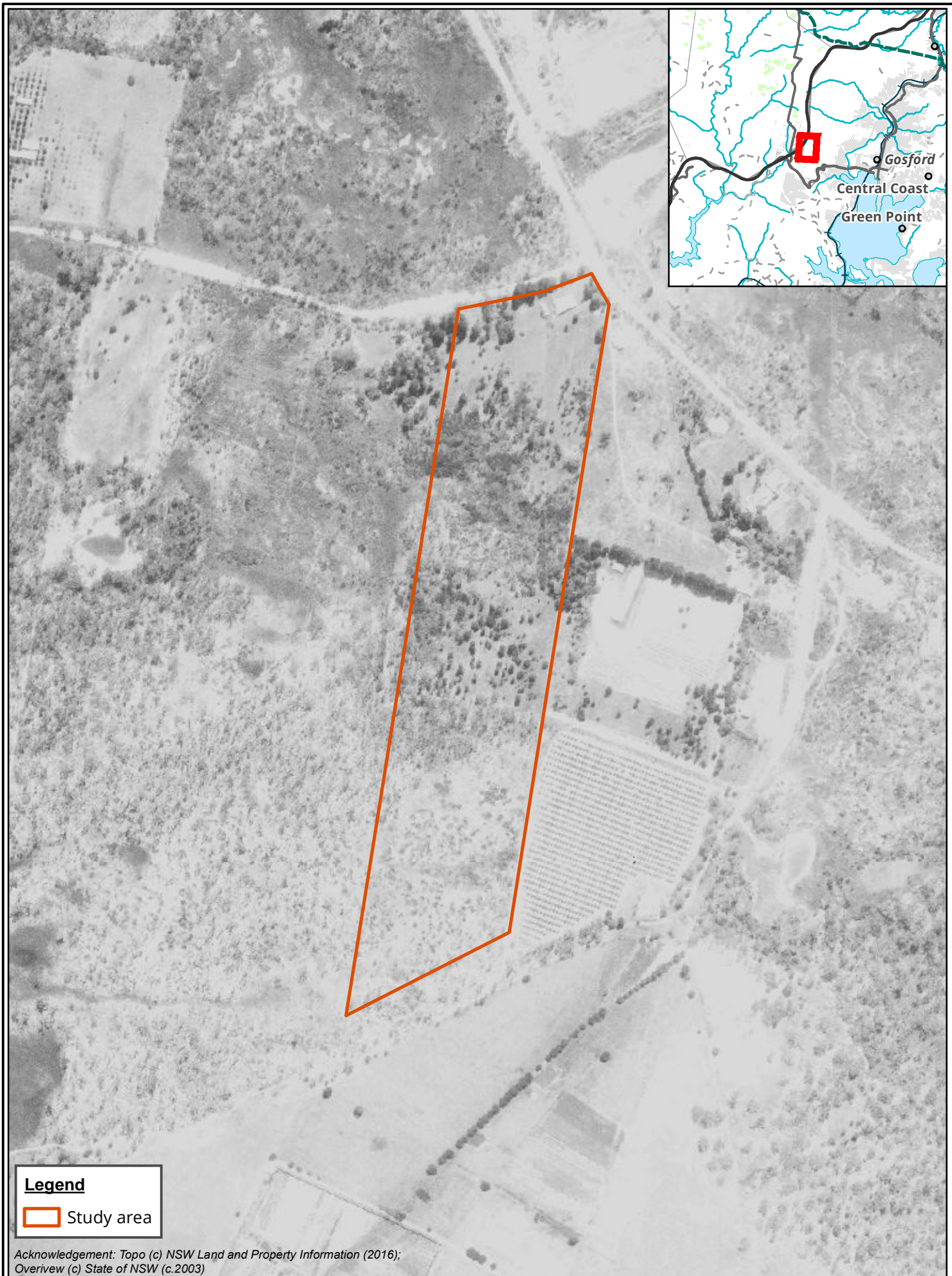
Plant resources were used in a variety of ways. Fibres were twisted into string, which was used for many purposes, including the weaving of nets, baskets and fishing lines. String was also used for personal adornment. Bark was used in the provision of shelter; a large sheet of bark being propped against a stick to form a gunyah (Attenbrow 2002).

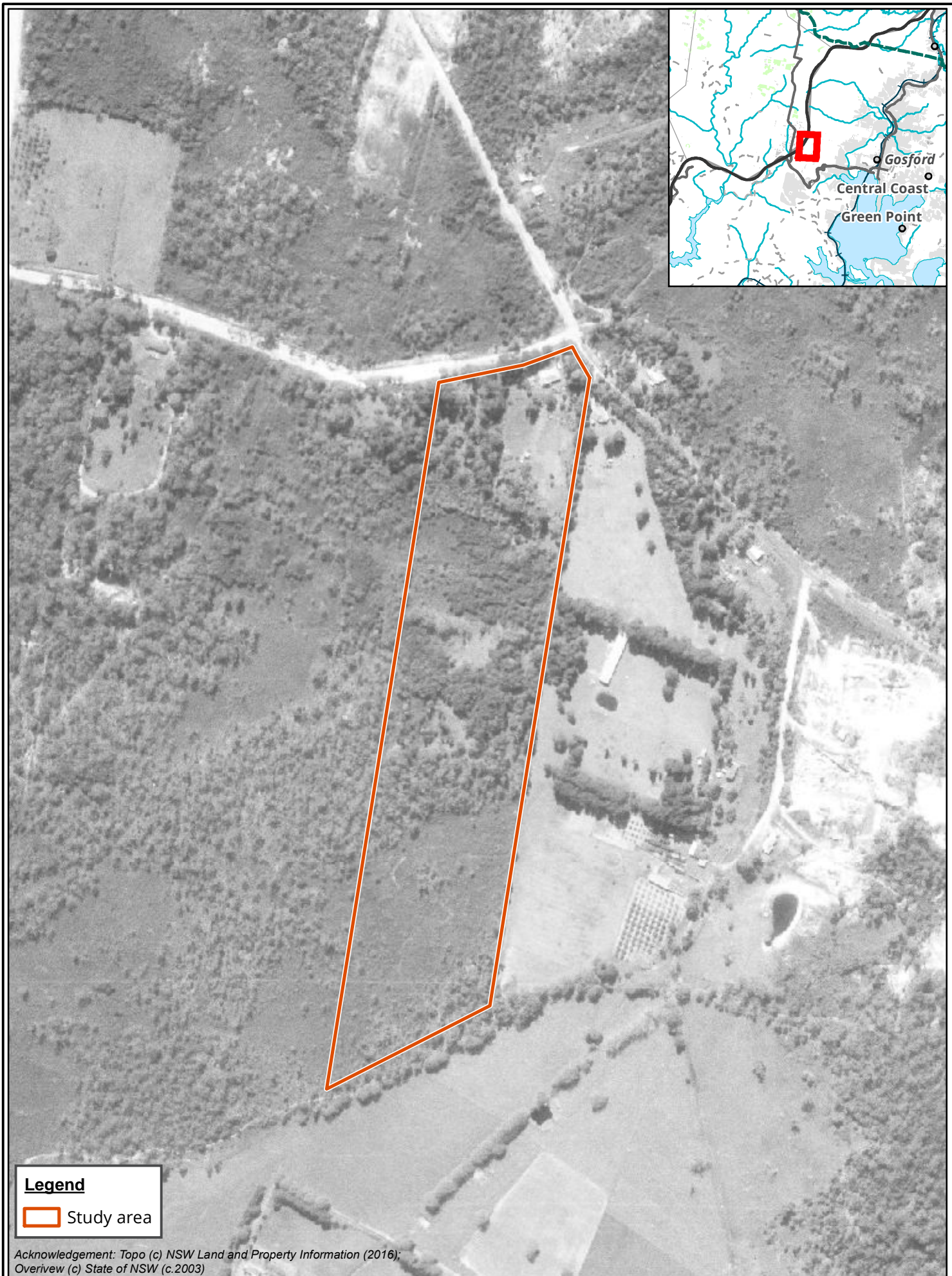
A variety of terrestrial native animals such as kangaroos, wallabies, and possum would have been an important food source. Animal products were also used for tool making and fashioning a myriad of utilitarian and ceremonial items. For example, tail sinews are known to have been used to make fastening cord, while 'bone points', which would have functioned as awls or piercers, are often an abundant part of the archaeological record. Animals such as brush-tailed possums were highly prized for their fur, with possum skin cloaks worn fastened over one shoulder and under the other. Kangaroo teeth were incorporated into decorative items, such as head bands (Attenbrow 2002).

2.5 European land use history

Historic imagery of the study area dating from 1966 (Figure 3) shows that the study area was less thickly vegetated and the northern section of the study area had been extensively cleared around a rural dwelling that occupied the north-eastern corner of the lot. Adjacent land located to the east of the study area is also occupied by various rural dwellings, and the land appears to have also been extensively cleared for farming and agricultural purposes.

Later historic imagery from 1984 (Figure 4) shows that the study area had experienced an increase in regrowth vegetation that resembles the current day study area (Figure 2). The northern portion of the study area remains occupied by the rural dwelling shown in Figure 3 and an accompanying structure to the south. There is no indication of the present day quarry that currently occupies the site. The adjoining lands to the east remain occupied by rural dwellings, and continued use of the land for agricultural and farming practices is prevalent and an artificial dam has been installed.





Legend

Study area

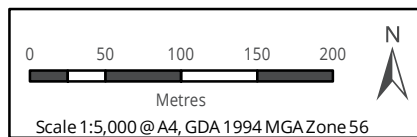
Acknowledgement: Topo (c) NSW Land and Property Information (2016);
Overview (c) State of NSW (c.2003)



Biosis Pty Ltd
Albury, Ballarat, Melbourne,
Newcastle, Sydney, Wangaratta & Wollongong

Figure 4 1984 aerial imagery of the study area and locality

Matter: 30096
Date: 31 July 2019,
Checked by: AV, Drawn by: AEDM, Last edited by: amurray
Location: P:\30000s\30096\Mapping\



3 Aboriginal cultural heritage context

3.1 Ethnohistory

It is generally accepted that Aboriginal peoples have inhabited Australia for at least 65,000 years and possessed a distinctive stone tool assemblage (Clarkson et al. 2017). Dates of the earliest occupation of the continent by Aboriginal people are subject to continued revision as more research is undertaken. The timing for the human occupation of the Sydney Basin is still uncertain. The earliest undisputed radiocarbon date from the region comes from Mangrove Creek, approximately 15 kilometres northwest of the present study area. Of the excavated shelters, thirty-one shelters yielded dates, with the oldest date being 11,050 years BP at Loggers Shelter (Attenbrow 1981). The majority of excavated shelter and open sites in the region however yield much younger dates of around 3,000 years BP (Attenbrow 1987, Koettig 1985, McDonald 1985).

Our knowledge of Aboriginal people and their land-use patterns and lifestyles prior to European contact is mainly reliant on documents written by non-Aboriginal people. The inherent bias of the class and cultures of these authors necessarily affect such documents. They were also often describing a culture that they did not fully understand – a culture that was in a heightened state of disruption given the arrival of European settlers and disease. Early written records can, however, be used in conjunction with archaeological information and surviving oral histories from members of the Aboriginal community in order to gain a picture of Aboriginal life in the region.

According to Tindale (1974) the study area was traditionally inhabited by the Darkinjung, bordered closely by the Kuringai (Guringai) tribe who inhabited the land between them and the coastline. These two groups were on friendly terms, unlike the Awabakal groups that inhabited the region to the north.

The Darkinjung lands roughly extended from the Hawkesbury River northwards to Wollombi and the southern drainage of the Hunter River (Tindale 1974). Vinnecombe (1980) places the Darkinjung people as living between the Hawkesbury and Hunter Rivers.

Information gathered by R.H Matthews provides a valuable insight into the lives of the Darkinjung people, although this information was recorded within an already disjointed and numerically decimated community. He stated that all members of the Darkinjung community were segregated into two moieties Dilbi and Kuparthin, and each moiety was further divided into two sections (Mathews 1897). On the basis of these moieties and sections, totemic affiliation and marriage relations were determined. Totems consisted of animals or inanimate objects, such as plants, heavenly bodies, the elements or seasons.

It has been suggested that the Darkinjung would move to the coast, within Kuringai territory during summer months, to exploit the abundant coastal resources, and the reverse was true for the Kuringai who moved inland during winter months to participate in ritual kangaroo hunts (Vinnecombe 1980). These two groups had a cordial relationship, with reciprocal visits and regular trading of resources.

3.2 Aboriginal cultural heritage in the study area

As identified in the background research for this assessment, and as detailed in Appendix 5, there are 36 Aboriginal cultural heritage sites registered with the Aboriginal Heritage Information Management System (AHIMS) register in the vicinity of the study area, however there are no recorded sites located within the study area. Background research has identified that reports completed by, J. C. Lough and Associates (1981) and AMBS (2002), have identified an engraving site, SIE 26, as either being located 60 metres to the west of the study area (AMBS 2002). SIE 26 has not been recorded on the AHIMS register. Biosis has checked the

coordinates for this site, and through mapping and background research has been able to confirm that this site is not located within the study area, and is located approximately 60 metres to the west of the study area. The location of this site was also checked during the field investigation, and was unable to be relocated.

AMBS (2002) completed a plan of management for the Somersby Industrial Park for the NSW Department of Environment and Planning. The management plan completed by AMBS (2002) lists Aboriginal site SIE 26 as being located approximately 60 metres to the west of the study area. This site is not recorded on the AHIMS database. SIE 26 consists of an engraving site of three macropods about 450 millimetres long located on a small rock surface (J. C. Lough & Associates 1981). However, during the field investigation, AMBS was not able to locate the site. The report speculates that the site may be closer to the road and inferred that the site was likely to be covered with soil, vegetation, and dumped rubbish (Australian Museum Business Services 2002, vol. 2, pg. 92). The AMBS report references drawings from the Lough & Associates report, however these were unable to be located within the Lough & Associates report. In particular, AMBS has included a site plan of SIE 26 (Plate 1), which indicates that the engravings are located to the south east of Gindurra Road. Biosis has not been unable to access these site drawings and it is unclear how AMBS were able to access them. The Somersby plan of management shows the area AMBS has identified as SIE 26 with a 30 metre buffer (Plate 2) (Connell Wagner Pty Ltd 2005). SIE 26 is not located within the study area, as confirmed through background research and the field investigation as discussed in the Archaeological Report (Appendix 5).

Observations made in the field by the field investigation teams indicated that the southern portion of the study area is low lying, suggesting Aboriginal occupation of the southern portion of the study area is unlikely. Robert Pankhurst (Guringai Elder) provided information during the supplementary field investigation that he frequently traversed the study area during the 1960s and 1970s, and Aboriginal objects were not present within the study area. He noted that the property to the west of the study area and to the north of the study area contained Aboriginal objects as well as Aboriginal engravings.

Robert also provided information relating to the rock engraving site SIE 26 recorded by Lough (1981) and mapped by AMBS as being located approximately 60 metres to the west of the study area. The suspected location of the rock engraving site was inspected by the field team during the supplementary field investigation. Areas of sandstone cropping were noted, however dense vegetation was observed and no engravings were identified. Robert indicated that the engraving is located within the area mapped by AMBS (Plate 2) and that the engraving is likely covered by soil deposits, leaf litter and illegally dumped rubbish. Robert requested that the site be recorded on the AHIMS database if it is not already, and that further investigation and conservation efforts are conducted by either the landholder or EES.

Due to the high levels of disturbance identified in the northern section and the lack of sandstone exposures and overhangs suitable for rock, engravings, shelters and grinding grooves, there is a low potential for Aboriginal sites to be present within the study area. Tracey Howie and Robert Pankhurst indicated they were satisfied that the proposed works will not impact on previously unrecorded Aboriginal objects, or engravings and that by implementing appropriate controls such as boundary fencing the works will not impact on rock engraving site SIE 26.

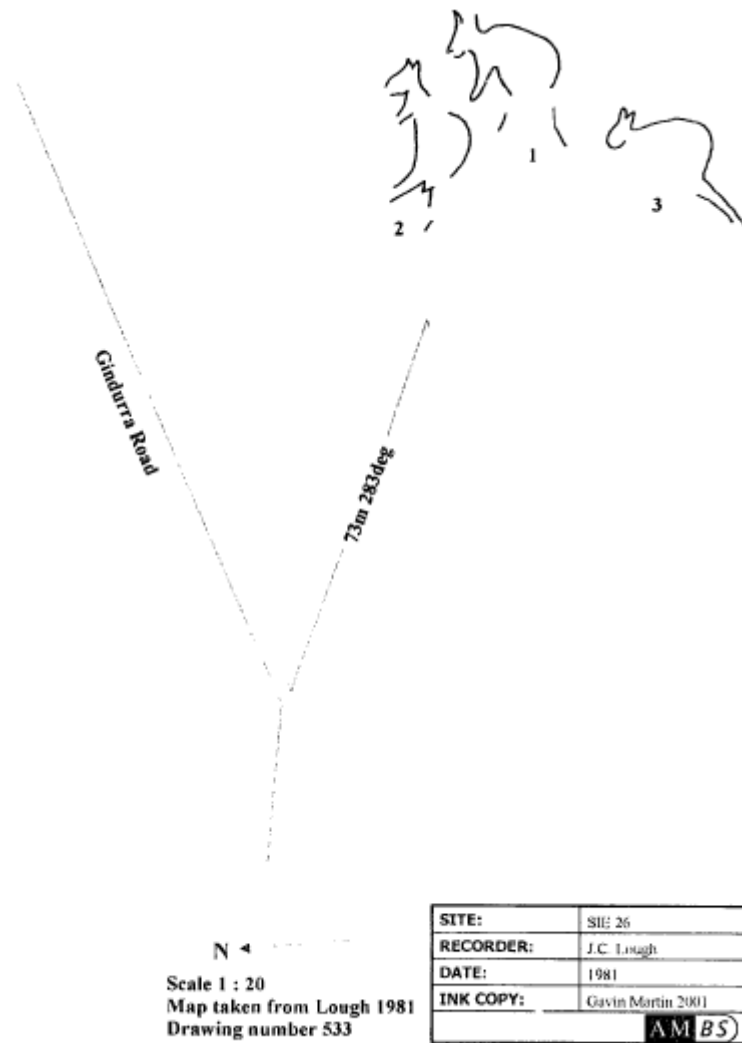


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002)

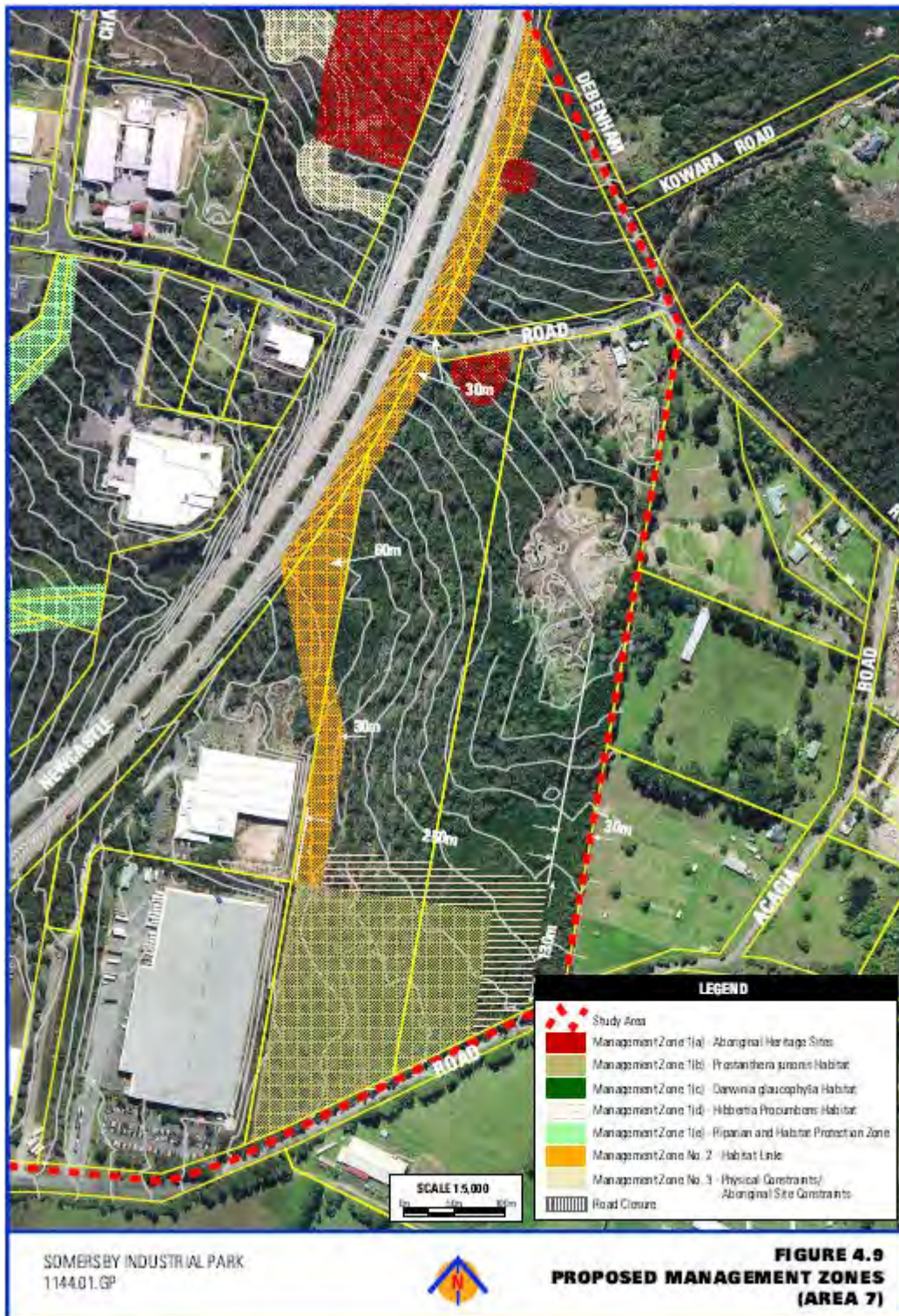


Plate 2 Somersby plan of management figure showing suspected location of SIE 26 as determined by AMBS (Connell Wagner Pty Ltd 2005)

3.3 Interpretation of past Aboriginal land use

The study area consists of densely vegetated land with disturbance from the existing sand and soil recycling centre, and is also situated within the Hawkesbury Sandstone geological unit. A review of previous assessments conducted within the Somersby region, along with AHIMS search results, indicates that Aboriginal sites are most likely to be present in close proximity to watercourses or drainage lines, or on sandstone outcropping or overhangs. Dominant site types include rock engravings, rock art, and axe grinding grooves. Locations such as level, well-drained topographies have the potential to contain subsurface deposits.

The soil landscape situated within the study area includes slopes, and the erosional processes of the Sydney Town soil landscape indicate that archaeological deposits, should they be present with the study area, may be highly weathered or disturbed. Therefore, Aboriginal site preservation may not be high, particularly upon slope landforms within the study area.

The study area is not located in close proximity to a perennial source of water, which reduces the likelihood of Aboriginal sites to be located within the study area.

Background research and the field investigation has identified that the study area had been subjected to past vegetation clearance for agricultural use including orcharding and heavy disturbances from its use as a sand and soil recycling centre. In addition, the sloped nature of the landform pattern, the lack of proximity to any perennial source of water and the lack of suitable sandstone outcrops or overhangs for shelter, which are common elsewhere in the local area, indicate the study area was not likely utilised by Aboriginal people for occupation.

4 Aboriginal community consultation

Consultation with the Aboriginal community has been undertaken in compliance with the consultation requirements as detailed below. A consultation log of all communications with RAPs is provided in Appendix 1.

Darkinjung LALC responded to the original assessment for the study area (Biosis Pty Ltd 2018) via the major projects website. Darkinjung LALC had no issues or comments on the original assessment. This response is included in Appendix 2.

4.1 Stage 1: Notification of project proposal and registration of interest

4.1.1 Identification of relevant Aboriginal stakeholders

In accordance with the consultation guidelines, Biosis Pty Ltd notified the following bodies regarding the proposal:

- Central Coast Council.
- EES.
- NSW Native Title Services Corporation Limited (NTSCORP Limited).
- Office of the Registrar, Aboriginal Land Rights Act 1983 of Aboriginal Owners.
- National Native Title Tribunal (NNTT).
- Greater Sydney Local Land Services.
- Darkinjung LALC.

A list of known Aboriginal stakeholders in the Somersby area was provided by EES (a copy of these responses are provided in Appendix 2 and include:

- | | |
|--|--|
| • A1 Indigenous Services | • Metropolitan Local Aboriginal Land Council |
| • Amanda Hickey Cultural Services | • Roger Matthews Consultancy |
| • Awabakal Descendants Traditional Owners | • Wattaka Wonnarua CC Service |
| • Awabakal Traditional Owners Aboriginal Corporation | • Widescope Indigenous Group |
| • B-H Heritage consultants | • Yinarr Cultural Services |
| • Corroboree Aboriginal Corporation | • Kevin Duncan |
| • Darkinjung Local Aboriginal Land Council | • Sharon Hodgetts |
| • Didge Ngunawal Clan | • Kyle Howie |
| • Guringai Tribal Link Aboriginal Corporation | • David Pross |
| • Kawul Pty Ltd trading as Wonn1 Sites | • Trudy Smith |
| • Lower Hunter Aboriginal Incorporated | • Yvette and Jackson Walker |

A search conducted by the Office of the Registrar, *Aboriginal Land Rights Act 1983* listed no Aboriginal Owners with land within the study area. A search conducted by the NNTT listed no Registered Native Title Claims, Unregistered Claimant Applications or Registered Indigenous Land Use Agreements within the study area, as the area is freehold and this extinguishes Native Title.

4.1.2 Public notice

In accordance with the consultation guidelines, a public notification was placed in the following newspapers:

- *Central Coast Express* (27 June 2019).

The advertisement invited Aboriginal people who hold cultural knowledge to register their interest in a process of community consultation to provide assistance in determining the significance of Aboriginal object(s) and/or places in the vicinity of the study area. A copy of the public notice is provided in Appendix 2.

4.1.3 Registration of Aboriginal parties

Aboriginal groups identified in Section 4.1.1 were sent a letter inviting them to register their interest in a process of community consultation to provide assistance in determining the significance of Aboriginal object(s) and/or places in the vicinity of the study area. In response to the letters and public notice, a total of six groups registered their interest in the project. Responses to registration from Aboriginal parties are provided in Appendix 3. A full list of Aboriginal parties who registered for consultation is provided below:

- Darkinjung Local Aboriginal Land Council
- A1 Indigenous Services
- Awabakal & Guringai Pty Ltd
- Corroboree Aboriginal Corporation
- Sharon Hodgetts
- Widescope Indigenous Group.

4.2 Stage 2 and 3: Presentation of information about the proposed project and gathering information about cultural significance – methodology information

On 25 July 2019, Biosis provided each RAP with details about the proposed development works (project information pack), and a copy of the project methodology pack outlining the proposed ACHA process and methodology for this project. RAPs were given 28 days to review and prepare feedback on the proposed methodology. A copy of the project methodology pack is provided in Appendix 3.

Biosis received one response from A1 Indigenous Services on 11 August that supported the methodology.

Awabakal & Guringai Pty Ltd requested on 4 September 2019 that a field investigation be carried out.

No comments were received from Darkinjung LALC, Corroboree Aboriginal Corporation, Sharon Hodgetts, or Widescope Indigenous Group.

4.2.1 Information gathered during fieldwork

Two representatives, Anthony Freeman and Timothy Oliver, from Darkinjung LALC attended the field survey on 2 February 2018. Anthony noted an area of sandstone outcropping which he was aware of to the east of the study area. This outcrop was visited and was determined to be located outside of the study area. Anthony also suggested monitoring be undertaken in the area of vegetation that could not be surveyed, if it was to be impacted.

Two representatives, Tracey Howie and Robert Pankhurst, from Awabakal & Guringai Pty Ltd attended the subsequent field survey on 11 September 2019. Robert Pankhurst provided information during the supplementary field investigation that he frequently traversed the study area during the 1960s and 1970s,

and Aboriginal objects were not present within the study area. He noted that the property to the west of the study area and to the north of the study area contained Aboriginal objects as well as Aboriginal engravings.

Robert also provided information relating to the rock engraving site SIE 26 recorded by Lough (1981) and mapped by AMBS as being located approximately 60 metres to the west of the study area. The suspected location of the rock engraving site was inspected by the field team during the supplementary field investigation. Robert indicated that the engraving is located within the area mapped by AMBS and that the engraving is likely covered by soil deposits, leaf litter and illegally dumped rubbish. Robert requested that the site be recorded on the AHIMS database if it is not already, and that further investigation and conservation efforts are conducted by either the landholder or EES.

4.3 Stage 4: Review of draft ACHA report

A copy of the draft ACHA and AR was sent to all RAPs on 3 October 2019. In total, one response was received from A1 Indigenous Services supporting the ACHA and AR, and this is summarised in Appendix 4.

5 Aboriginal cultural significance assessment

The two main values addressed when assessing the significance of Aboriginal sites are cultural values to the Aboriginal community and archaeological (scientific) values. This report will assess the cultural values of Aboriginal sites in the study area. Details of the scientific significance assessment of Aboriginal sites in the study area are provided in Appendix 5.

5.1 Introduction to the assessment process

Heritage assessment criteria in NSW fall broadly within the significance values outlined in the Australia International Council on Monuments and Sites (ICOMOS) *Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS 2013) (the Burra Charter). This approach to heritage has been adopted by cultural heritage managers and government agencies as the set of guidelines for best practice heritage management in Australia. These values are provided as background and include:

- **Historical significance** (evolution and association) refers to historic values and encompasses the history of aesthetics, science and society, and therefore to a large extent underlies all of the terms set out in this section. A place may have historic value because it has influenced, or has been influenced by, a historic figure, event, phase or activity. It may also have historic value as the site of an important event. For any given place the significance will be greater where evidence of the association or event survives *in situ*, or where the settings are substantially intact, than where it has been changed or evidence does not survive. However, some events or associations may be so important that the place retains significance regardless of subsequent treatment.
- **Aesthetic significance** (Scenic/architectural qualities, creative accomplishment) refers to the sensory, scenic, architectural and creative aspects of the place. It is often closely linked with social values and may include consideration of form, scale, colour, texture, and material of the fabric or landscape, and the smell and sounds associated with the place and its use.
- **Social significance** (contemporary community esteem) refers to the spiritual, traditional, historical or contemporary associations and attachment that the place or area has for the present-day community. Places of social significance have associations with contemporary community identity. These places can have associations with tragic or warmly remembered experiences, periods or events. Communities can experience a sense of loss should a place of social significance be damaged or destroyed. These aspects of heritage significance can only be determined through consultative processes with local communities.
- **Scientific significance** (Archaeological, industrial, educational, research potential and scientific significance values) refers to the importance of a landscape, area, place or object because of its archaeological and/or other technical aspects. Assessment of scientific value is often based on the likely research potential of the area, place or object and will consider the importance of the data involved, its rarity, quality or representativeness, and the degree to which it may contribute further substantial information.

The cultural and archaeological significance of Aboriginal and historic sites and places is assessed on the basis of the significance values outlined above. As well as the Burra Charter significance values guidelines, various government agencies have developed formal criteria and guidelines that have application when assessing the significance of heritage places within NSW. Of primary interest are guidelines prepared by the Australian

Government, the NSW EES and the Heritage Branch, and the NSW Department of Planning and Environment. The relevant sections of these guidelines are presented below.

These guidelines state that an area may contain evidence and associations which demonstrate one or any combination of the Burra Charter significance values outlined above in reference to Aboriginal heritage. Reference to each of the values should be made when evaluating archaeological and cultural significance for Aboriginal sites and places.

In addition to the previously outlined heritage values, the EES *Guidelines to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011) also specify the importance of considering cultural landscapes when determining and assessing Aboriginal heritage values. The principle behind a cultural landscape is that 'the significance of individual features is derived from their inter-relatedness within the cultural landscape'. This means that sites or places cannot be 'assessed in isolation' but must be considered as parts of the wider cultural landscape. Hence the site or place will possibly have values derived from its association with other sites and places. By investigating the associations between sites, places, and (for example) natural resources in the cultural landscape the stories behind the features can be told. The context of the cultural landscape can unlock 'better understanding of the cultural meaning and importance' of sites and places.

Although other values may be considered – such as educational or tourism values – the two principal values that are likely to be addressed in consideration of Aboriginal sites and places are the cultural/social significance to Aboriginal people and their archaeological or scientific significance to archaeologists and the Aboriginal community. The determinations of archaeological and cultural significance for sites and places should then be expressed as statements of significance that preface a concise discussion of the contributing factors to Aboriginal cultural heritage significance.

5.2 Cultural (social significance) values

Cultural or social significance refers to the spiritual, traditional, historical and/or contemporary associations and values attached to a place or objects by Aboriginal people. Aboriginal cultural heritage is broadly valued by Aboriginal people as it is used to define their identity as both individuals and as part of a group (DECCW 2010a, p.iii). More specifically it provides:

- A 'connection and sense of belonging to Country' (DECCW 2010a, p.iii).
- A link between the present and the past (DECCW 2010a, p.3).
- A learning tool to teach Aboriginal culture to younger Aboriginal generations and the general public (DECCW 2010 p.3).
- Further evidence of Aboriginal occupation prior to European settlement for people who do not understand the magnitude to which Aboriginal people occupied the continent (DECCW 2010a, p.3).

It is acknowledged that Aboriginal people are the primary determiners of the cultural significance of Aboriginal cultural heritage. No information has been provided by RAPs in regards to the cultural values of the study area to date.

5.3 Historic values

Historic significance refers to associations a place or object may have with a historically important person, event, phase or activity to the Aboriginal and other communities. The study area is not known to have any historic associations.

5.4 Archaeological (scientific significance) values

An archaeological scientific assessment was undertaken for the study area and is presented in detail as part of the attached Archaeological Report (Appendix 5). Review of background research and an archaeological survey have indicated that there is low archaeological value in the study area due to previous disturbance and the lack of suitable landforms to indicate Aboriginal occupation.

5.5 Aesthetic values

The study area is highly disturbed and a typical example of a slope landform. It is surrounded by rural dwellings and agricultural land to the east and dense vegetation to the west. It has low aesthetic value due to the range of disturbances present.

5.6 Statement of significance

The significance of sites was assessed in accordance with the following criteria:

- Requirements of the Code.
- The Burra Charter.
- *Guide to Investigating and Reporting on Aboriginal Heritage* (OEH 2011).

The combined use of these guidelines is widely considered to represent the best practice for assessments of Aboriginal cultural heritage. The identification and assessment of cultural heritage values includes the four values of the Burra Charter: social, historical, scientific and aesthetic values.

As there were no Aboriginal sites located during the survey and the study area was assessed as having low archaeological potential, there is therefore no archaeological significance in this area.

6 Development limitations and mitigation measures

As previously outlined, an industrial development is proposed for the study area including the installation of security fencing, construction of on-site roads, parking areas, stormwater run-off and drainage/treatment infrastructure, an office and maintenance workshop, hardstand area, storage bays, and a Tip and Spread Building for indoor receipt and inspection of waste materials. Two additional buildings in the operational area will be built, including a building to house the mulching and grinding plants.

6.1 Predicted physical impacts

The study area does not contain any recorded Aboriginal sites and has been assessed as having low archaeological potential due to disturbances observed in the study area, and the distance of the study area to reliable sources of water. The proposed works will therefore not impact on any Aboriginal heritage values.

6.2 Management and mitigation measures

Ideally, heritage management involves conservation of sites through the preservation and conservation of fabric and context within a framework of 'doing as much as necessary, as little as possible' (Australia ICOMOS 2013). In cases where conservation is not practical, several options for management are available. For sites, management often involves the salvage of features or artefacts, retrieval of information through excavation or collection (especially where impact cannot be avoided) and interpretation.

Avoidance of impact to archaeological and cultural heritage sites through the design of the development is the primary mitigation and management strategy, and should be implemented where practicable. The proposed works have been confined to areas that have been heavily disturbed from the sand and soil recycling centre and will avoid impacts to any known Aboriginal sites. As part of the management and mitigation measures for the proposed works, and Aboriginal cultural heritage assessment including archaeological survey and consultation with the Aboriginal community was undertaken. This was done to determine the presence and nature of any potential Aboriginal sites so that appropriate management could be undertaken. The survey did not identify the presence of any Aboriginal sites and the study area was assessed with low potential due to high levels of disturbances present. As a result of the assessment an unexpected finds protocol was also recommended which will help manage and mitigate potential impacts in the case of unexpected finds.

Appropriate boundary fencing is recommended to be used in order to clearly outline the boundary of the study area and to ensure that the proposed works will not impact upon rock engraving SIE 26.

7 Recommendations

Strategies have been developed based on the archaeological significance of cultural heritage relevant to the study area and influenced by:

- Predicted impacts to Aboriginal cultural heritage.
- The planning approvals framework.
- Current best conservation practise, widely considered to include:
 - Ethos of the Australia ICOMOS Burra Charter.
 - The Code.

Prior to any impacts occurring within the study area, the following is recommended:

Recommendation 1: No further archaeological investigation required

No further archaeological investigation or works are required to be undertaken for the study area. The study area has been assessed as having low archaeological potential and no further investigations are required in this area. This recommendation is conditional upon Recommendations 2 to 6.

Recommendation 2: Boundary fencing

Appropriate boundary fencing is recommended to be used in order to clearly outline the boundary of the study area and to ensure that the proposed works will not impact upon rock engraving SIE 26.

Recommendation 3: Recording of SIE 26 on AHIMS

The engraving site, SIE26, is to be recorded on AHIMS. Further investigation and conservation efforts are to be conducted by either the landholder or EES.

Recommendation 4: Discovery of unanticipated Aboriginal objects and discovery of Aboriginal ancestral remains

All Aboriginal objects and places are protected under the *National Parks and Wildlife Act 1974* (NPW Act). It is an offence to disturb an Aboriginal site without a consent permit issued by DPIE. Should any Aboriginal objects be encountered during works associated with this proposal, works must cease in the vicinity and the find should not be moved until assessed by a qualified archaeologist. If the find is determined to be an Aboriginal site or object the archaeologist will provide further recommendations. These may include notifying EES and Aboriginal stakeholders.

Aboriginal ancestral remains may be found in a variety of landscapes in NSW, including middens and sandy or soft sedimentary soils. If any suspected human remains are discovered during any activity you must:

1. Immediately cease all work at that location and not further move or disturb the remains.
2. Notify the NSW Police and EES's Environmental Line on 131 555 as soon as practicable and provide details of the remains and their locations.
3. Not recommence work at that location unless authorised in writing by EES.

Recommendation 5: Continued consultation with the registered Aboriginal parties

As per consultation requirements it is recommended that the proponent provides a soft copy of this report to the Aboriginal stakeholders for comment. The proponent should continue to inform these groups about the management of Aboriginal cultural heritage sites within the study area throughout the life of the project.

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Vinnecombe, P 1980, *Predilection and prediction : a study of Aboriginal sites in the Gosford-Wyong region*, Sydney.

Appendices

Appendix 1 Consultation log

Stage 1 – Notification of project proposal and registration of interest

Step 1- Identification of Aboriginal people/parties with an interest in the proposed study area.

Organisation contacted	Date and type of contact	Date and type of response	Response details
Office of Environment and Heritage	6 June 2019, email	13 June 2019, phone and 13 June 2019, email	Phone call to clarify location of study area, and email provided list of potential stakeholders for the study area.
Native Title Services CORP Limited	6 June 2019, email	-	-
Office of the Registrar, Department of Aboriginal Affairs	6 June 2019, email	24 June 2019, email	Recommended that Biosis contact Darkinjung LALC, as a search returned no currently Registered Aboriginal Owners in the project area.
National Native Title Tribunal	6 June 2019, email	12 June 2019, email	Returned search results, and no Native Title exists over the study area as it is freehold and this extinguishes Native Title.
Greater Sydney Local Land Services	6 June 2019, email	18 June 2019, email	Recommended that Biosis contact OEH.
Central Coast Council	6 June 2019, email	12 June 2019, email	Suggested contacting the Darkinjung LALC and provided contact details.
Darkinjung Local Aboriginal Land Council	6 June 2019, email	12 June 2019, email	Registered an interest for Darkinjung LALC in the project.

Step 2- Public advertisement

The public notice was published in the Central Coast Express on the 27 June 2019. A copy of the advertisement is provided in Appendix 2.

Step 3- Registration of interest.

The registration period ran from the 20 June 2019 to 4 July 2019. Leeway was given to Aboriginal parties/groups who provided responses shortly after the close of this period and they have been registered as Aboriginal parties for consultation.

Organisation contacted	Date and type of contact	Date and type of response	Response details
A1 Indigenous Services	20 June 2019, email	1 July 2019, email	Registered for the project.
Amanda Hickey Cultural Services	20 June 2019, email	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
Awabakal & Guringai Pty Ltd	20 June 2019, email	27 June 2019, email	Registered for the project.
Awabakal Descendants Traditional Owners	20 June 2019, email	-	-
Awabakal Traditional Owners Aboriginal Corporation	20 June 2019, email	-	-
B-H Heritage Consultants	20 June 2019, email	-	-
Corroboree Aboriginal Corporation	20 June 2019, email	20 June 2019, email	Registered for the project.
Darkinjung Local Aboriginal Land Council	20 June 2019, email	12 June 2019, email	Registered for the project.
Didge Ngunawal Clan	20 June 2019, email	-	-
Guringai Tribal Link Aboriginal Corporation	20 June 2019, email	-	-
Kawul Pty Ltd trading as Wonn1 Sites	20 June 2019, email	-	-
Lower Hunter Aboriginal Incorporated	20 June 2019, email	-	-
Metropolitan Local Aboriginal Land Council	20 June 2019, email	-	-
Roger Matthews Consultancy	20 June 2019, mail	-	-
Wattaka Wonnarua CC Service	20 June 2019, email	-	-
Widescope Indigenous Group	20 June 2019, email	20 June 2019, email	Registered for the project.
Yinarr Cultural Services	20 June 2019, email	-	-
Kevin Duncan	20 June 2019, email	-	-
Sharon Hodgetts	20 June 2019, email	24 June 2019, email	Registered for the project.
Kyle Howie	20 June 2019, email	-	-
David Pross	20 June 2019,	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
	email		
Trudy Smith	20 June 2019, email	-	-
Yvette & Jackson Walker	20 June 2019, email	-	-

Stage 2 – Presentation of information about the proposed project

Step 1- Provision of project information pack and project methodology pack

A copy of the information pack is provided in Appendix 3 and a copy of the covering email is provided following.

Organisation contacted	Date and type of contact	Date and type of response	Response details
Darkinjung LALC	25 July 2019, email	-	-
A1 Indigenous Services	25 July 2019, email	11 August 2019, email	A1 supports the methodology for the project.
Awabakal & Guringai Pty Ltd	25 July 2019, email	4 September 2019, in person	Awabakal & Guringai Pty Ltd requested that a field survey be carried out for the study area.
Corroboree Aboriginal Corporation	25 July 2019, email	-	-
Sharon Hodgetts	25 July 2019, email	-	-
Widescope Indigenous Group	25 July 2019, email	-	-

Stage 4 – Review of draft report

Step 1- Provision of draft report for review

Organisation contacted	Date and type of contact	Date and type of response	Response details
Darkinjung LALC	3 October 2019, email	2 April 2019, email	Darkinjung LALC responded to the original assessment for the study area (Biosis Pty Ltd 2018) via the major projects website. Darkinjung LALC had no issues or comments on the original assessment. No comment was received regarding the current ACHA. This comment is included in Appendix 2.
A1 Indigenous Services	3 October 2019,	13 October 2019, email	A1 Indigenous Services supports the

Organisation contacted	Date and type of contact	Date and type of response	Response details
	email		methodology for the Kariiong Sand and Soils Project.
Awabakal & Guringai Pty Ltd	3 October 2019, email	-	-
Corroboree Aboriginal Corporation	3 October 2019, email	-	-
Sharon Hodgetts	3 October 2019, email	-	-
Widescope Indigenous Group	3 October 2019, email	-	-

Appendix 2 Stage 1: Notification of project proposal and registration of interest

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'rog.hcc@environment.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.OEH.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



Leaders in Ecology and Heritage Consulting

The information transmitted including attachments is intended only for the person or entity to which it is addressed and may contain copyright material, or information that is confidential or is exempt from disclosure by law. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is strictly prohibited. If you received this in error, please contact the sender and delete the material from your computer. The views expressed in this email are those of the sender except where the sender expressly and with authority states them to be the views of Biosis Pty Ltd. Biosis Pty Ltd does not represent that this email is free of errors, viruses or interference. When using email to communicate with Biosis Pty Ltd, access to that information by Biosis Pty Ltd personnel is strictly limited and controlled.

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'information@ntscorp.com.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.NTSCorp.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'adminofficer@oralra.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.ORALRA.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'admin.greatersydney@lls.nsw.gov.au'
Cc: 'gs.service@lls.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.GSLLS.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by **5pm 20 June 2019**.

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:25 AM
To: 'ask@centralcoast.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.CCC.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

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Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:25 AM
To: 'GeospatialSearch@nntt.gov.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Notification.Agency.NNTT.pdf;
30096.NNTT.Search.Request.Form.20190606.docx

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by **5pm 20 June 2019**.

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Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:27 AM
To: 'darkinjung@dlalc.org.au'
Subject: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.LALC.pdf

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area.

As per section 4.1 of the consultation requirements, Biosis wish to invite Darkinjung Local Aboriginal Land Council to register an interest in the project.

If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by **5pm 20 June 2019**.

If you have any questions please contact us.

Kind regards,



Leaders in Ecology and Heritage Consulting

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6 June 2019

Darkinjung Local Aboriginal Land Council
168 Pacific Highway
Watanobbi NSW 2259

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis is assisting Jackson Environment and Planning Pty Ltd with consultation with the Aboriginal community to inform the ACHA. Consultation with the Aboriginal community for this assessment will be undertaken in accordance with the Aboriginal *Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010) (consultation requirements).

The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the PAC in the consideration and determination of the application. The project will be undertaken in accordance with the *National Parks and Wildlife Act 1974*.

As per section 4.1 of the consultation requirements, Biosis wish to invite Darkinjung Local Aboriginal Land Council to register an interest in the project.

Biosis is also seeking to identify Aboriginal people who may have an interest in the study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations by **20 June 2019** it would be greatly appreciated.

In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

[Redacted contact information]

All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:

[Redacted contact information]

If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely

[Redacted signature]



6 June 2019

Central Coast Council
49 Mann Street
Gosford NSW 2250

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

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[REDACTED]

If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely

[REDACTED]



6 June 2019

Greater Sydney Local Land Services
PO Box 600
Wyong NSW 2259

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

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In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

[REDACTED]

All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:

[REDACTED]

If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely

[REDACTED]



6 June 2019

National Native Title Tribunal
GPO Box 9973
Sydney NSW 2001

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

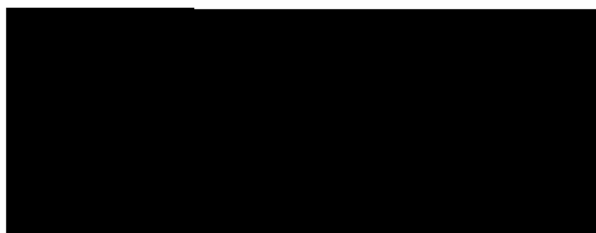
Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

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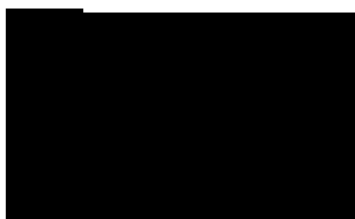
The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the PAC in the consideration and determination of the application. The project will be undertaken in accordance with the *National Parks and Wildlife Act 1974*.

As per section 4.1 of the consultation requirements, Biosis is seeking to identify Aboriginal people who may have an interest in the study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations by **20 June 2019** it would be greatly appreciated.

In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

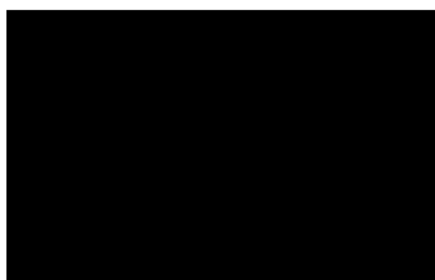


All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:



If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





6 June 2019

Native Title Services Corporation
PO Box 2105
Strawberry Hills NSW 2012

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis is assisting Jackson Environment and Planning Pty Ltd with consultation with the Aboriginal community to inform the ACHA. Consultation with the Aboriginal community for this assessment will be undertaken in accordance with the Aboriginal *Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010) (consultation requirements).

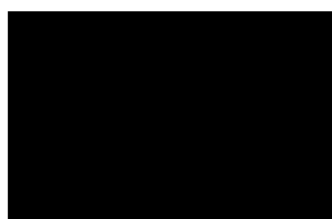
The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the PAC in the consideration and determination of the application. The project will be undertaken in accordance with the *National Parks and Wildlife Act 1974*.

As per section 4.1 of the consultation requirements, Biosis is seeking to identify Aboriginal people who may have an interest in the study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations by **20 June 2019** it would be greatly appreciated.

In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

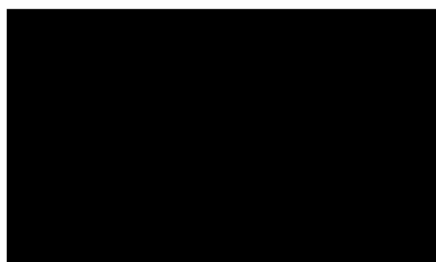


All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:



If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





6 June 2019

Office of Environment and Heritage
Locked Bag 1002
Dangar NSW 2309

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

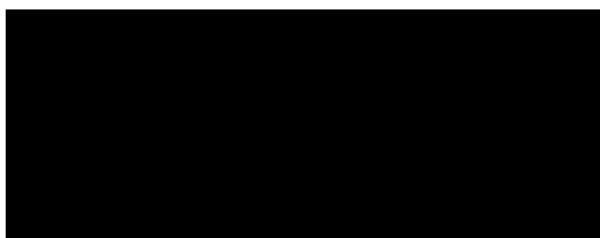
Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 122 DP 3060 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis is assisting Jackson Environment and Planning Pty Ltd with consultation with the Aboriginal community to inform the ACHA. Consultation with the Aboriginal community for this assessment will be undertaken in accordance with the Aboriginal *Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010) (consultation requirements).

The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the PAC in the consideration and determination of the application. The project will be undertaken in accordance with the *National Parks and Wildlife Act 1974*.

As per section 4.1 of the consultation requirements, Biosis is seeking to identify Aboriginal people who may have an interest in the study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations by **20 June 2019** it would be greatly appreciated.

In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

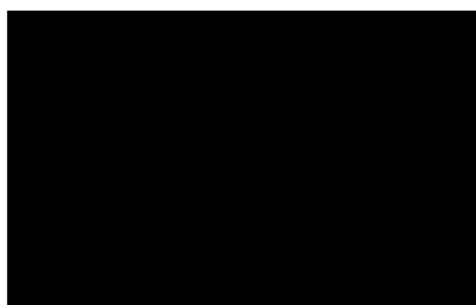


All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:



If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





6 June 2019

Office of the Registrar Aboriginal Land Rights Act 1983
PO Box 5068
Parramatta NSW 2124

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

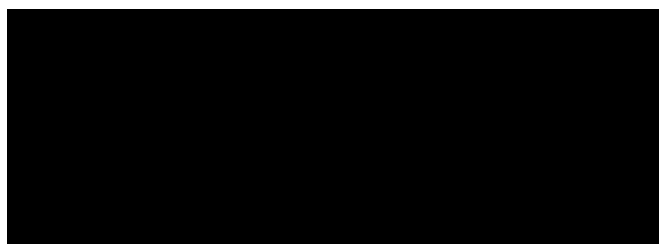
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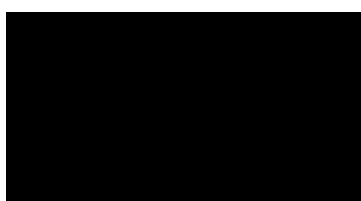
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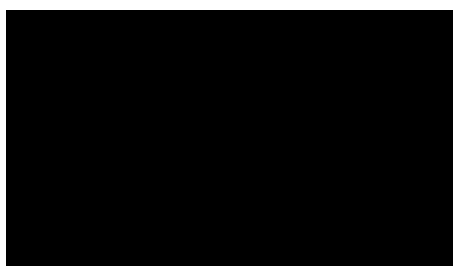


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If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely



[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:23 PM
To: 'adminofficer@oralra.nsw.gov.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.ORALRA.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.
If you have any questions please contact us.

Kind regards,

[REDACTED]

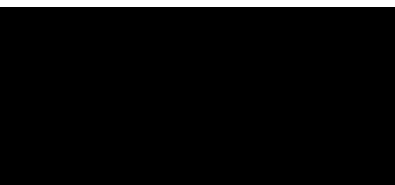
From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'adminofficer@oralra.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by **5pm 20 June 2019**.

If you have any questions please contact us.

Kind regards,



Leaders in Ecology and Heritage Consulting

The information transmitted including attachments is intended only for the person or entity to which it is addressed and may contain copyright material, or information that is confidential or is exempt from disclosure by law. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is strictly prohibited. If you received this in error, please contact the sender and delete the material from your computer. The views expressed in this email are those of the sender except where the sender expressly and with authority states them to be the views of Biosis Pty Ltd. Biosis Pty Ltd does not represent that this email is free of errors, viruses or interference. When using email to communicate with Biosis Pty Ltd, access to that information by Biosis Pty Ltd personnel is strictly limited and controlled.

[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:23 PM
To: 'admin.greatersydney@lls.nsw.gov.au'
Cc: 'gs.service@lls.nsw.gov.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.GSLLS.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.

If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:24 PM
To: 'ask@centralcoast.nsw.gov.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.CCC.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.
If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:25 AM
To: 'ask@centralcoast.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA).
Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

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Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:24 PM
To: 'information@ntscorp.com.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.NTSCorp.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.
If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'information@ntscorp.com.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA).
Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:25 PM
To: 'GeospatialSearch@nntt.gov.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.NNTT.pdf;
30096.NNTT.Search.Request.Form.20190611.docx

Good afternoon,

Please see attached for an updated notification and updated search form, as the Lot and DP listed in the original notification is incorrect.

I apologize for this inconvenience.

If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:25 AM
To: 'GeospatialSearch@nntt.gov.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA).

Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:22 PM
To: 'rog.hcc@environment.nsw.gov.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.OEH.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.
If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:24 AM
To: 'rog.hcc@environment.nsw.gov.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA). Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 11 June 2019 4:26 PM
To: 'darkinjung@dlalc.org.au'
Subject: RE: 30096 Notification to Agencies Kariong
Attachments: 30096.Stage1.Agencies.Notification.20190611.LALC.pdf

Good afternoon,

Please see attached for an updated notification, as the Lot and DP listed in the original notification is incorrect.
I apologize for this inconvenience.
If you have any questions please contact us.

Kind regards,

[REDACTED]

From: [REDACTED]
Sent: Thursday, 6 June 2019 11:27 AM
To: 'darkinjung@dlalc.org.au'
Subject: 30096 Notification to Agencies Kariong

Good morning,

Biosis Pty Ltd is assisting Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis with consultation with the Aboriginal community to inform an Aboriginal Cultural Heritage Assessment (ACHA).
Biosis wishes to identify Aboriginal people who may have an interest in the proposed study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or Places in the Somersby area.

As per section 4.1 of the consultation requirements, Biosis wish to invite Darkinjung Local Aboriginal Land Council to register an interest in the project.

If you could please provide contact details for any such Aboriginal people or organisations of which you are aware it would be greatly appreciated. Please provide these details in writing by 5pm 20 June 2019.

If you have any questions please contact us.

Kind regards,



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11 June 2019

Central Coast Council
49 Mann Street
Gosford NSW 2250

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

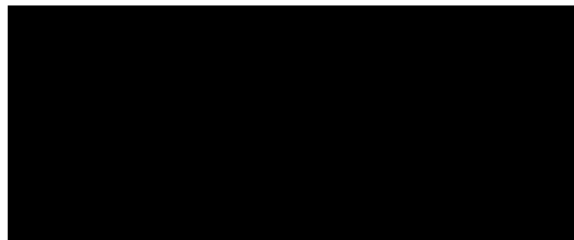
Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 4 DP 227279 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

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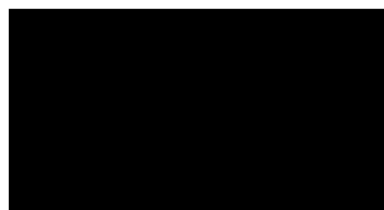
The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the PAC in the consideration and determination of the application. The project will be undertaken in accordance with the *National Parks and Wildlife Act 1974*.

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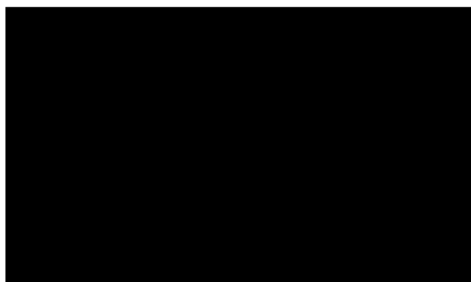


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If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





11 June 2019

Greater Sydney Local Land Services
PO Box 600
Wyong NSW 2259

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 4 DP 227279 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

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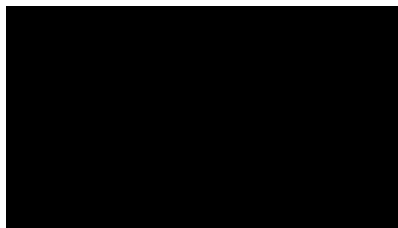
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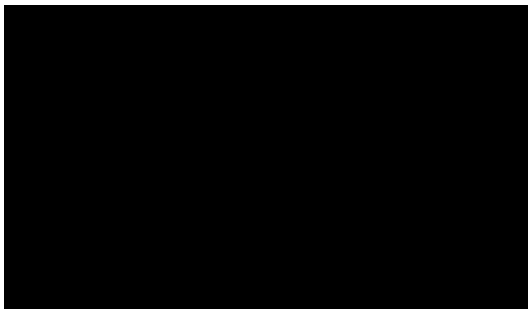


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Yours sincerely



11 June 2019

Darkinjung Local Aboriginal Land Council
168 Pacific Highway
Watanobbi NSW 2259

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**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

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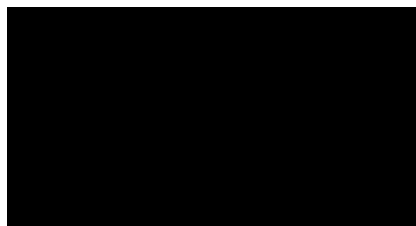
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Biosis is also seeking to identify Aboriginal people who may have an interest in the study area and hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the Somersby area. If you could please provide contact details for any such Aboriginal people or organisations by **20 June 2019** it would be greatly appreciated.

In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

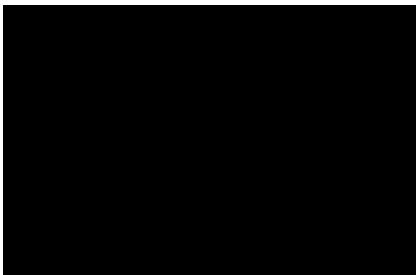


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If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





11 June 2019

National Native Title Tribunal
GPO Box 9973
Sydney NSW 2001

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

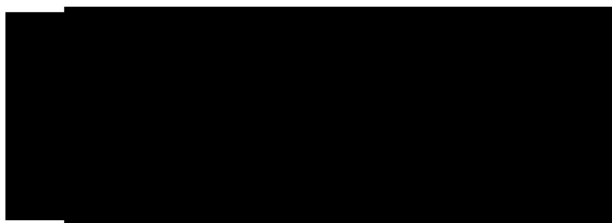
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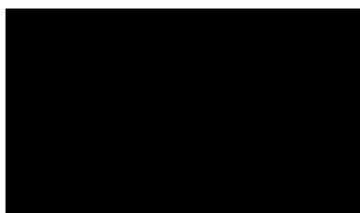
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In accordance with section 4.1.3 (a) of the consultation requirements, please note that the relevant client contact for this project is:

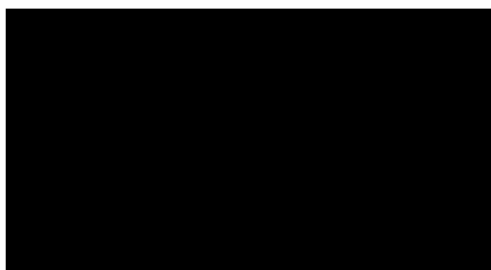


All correspondence regarding provision of names and contact details of Aboriginal people who may hold cultural knowledge relevant to the study area should be provided in writing by **20 June 2019** to:



If you have any queries regarding the project please don't hesitate to contact me on the details above, or alternatively the main office number on (02) 4911 4040.

Yours sincerely





11 June 2019

Native Title Services Corporation
PO Box 2105
Strawberry Hills NSW 2012

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

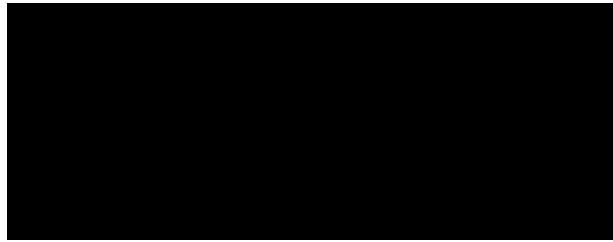
Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr and Mrs Ray and Sue Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 4 DP 227279 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis is assisting Jackson Environment and Planning Pty Ltd with consultation with the Aboriginal community to inform the ACHA. Consultation with the Aboriginal community for this assessment will be undertaken in accordance with the Aboriginal *Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010) (consultation requirements).

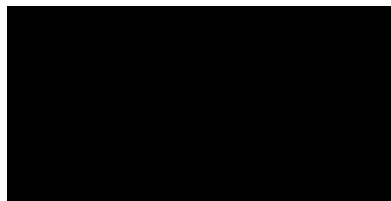
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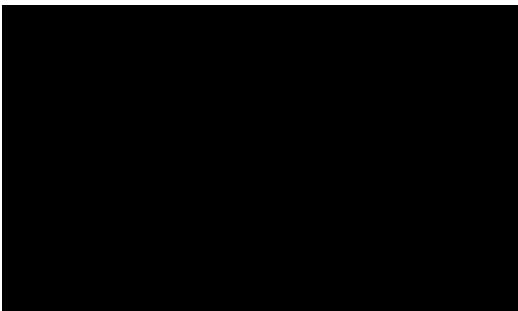


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Yours sincerely





11 June 2019

Office of Environment and Heritage
Locked Bag 1002
Dangar NSW 2309

Dear Sir or Madam,

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Notification to Agencies
Our Ref: Matter 30096**

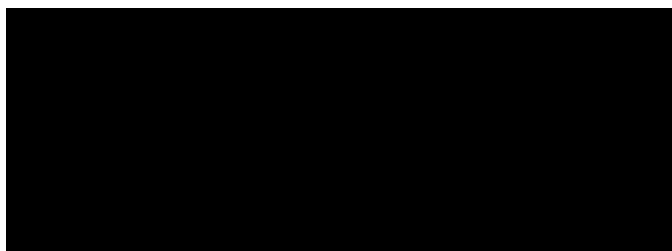
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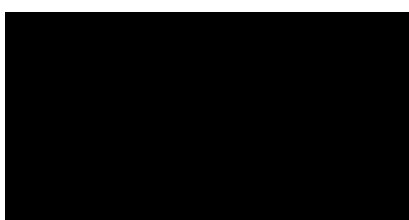
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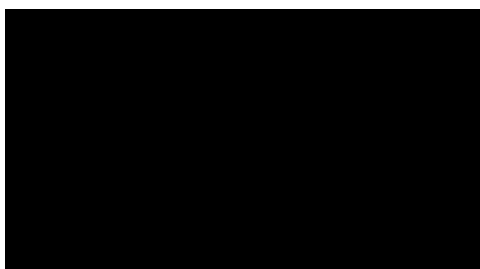


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Yours sincerely





11 June 2019

Office of the Registrar Aboriginal Land Rights Act 1983
PO Box 5068
Parramatta NSW 2124

Dear Sir or Madam,

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies
Our Ref: Matter 30096**

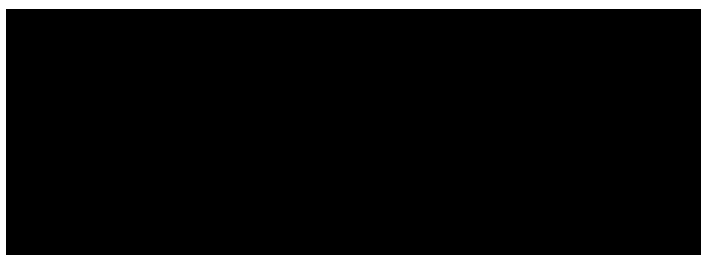
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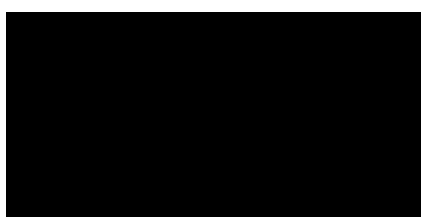
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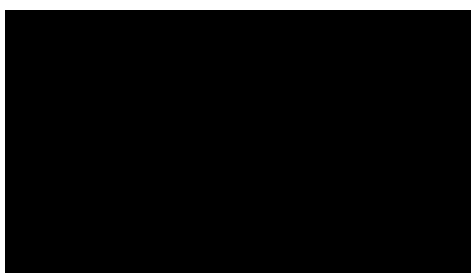


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Yours sincerely



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Central Coast Council is an exciting and dynamic place to work. Working close to home means more time to spend with those you care about whilst helping to create a strong future for your own community. **Build your career with us today!**

The following new career opportunities are currently available with Council:

- **Operations Engineer Technical Services**
- **Personal Assistant to Unit Manager Facilities Management**

Closing Date: 7 July 2019

- **Administration Officer**

Closing Date: 8 July 2019

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Council



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Salary: \$89,362 to \$99,736 per annum, plus 9.5% superannuation and a 9 day fortnight.

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At Hornsby Shire Council we always put the health, safety and wellbeing of our employees first. Currently we are seeking an experienced person to fulfil the role of Health and Wellbeing Advisor.

If you have a passion for providing quality injury management and workplace health and wellbeing programs this is the role you are looking for.

To be successful in this role you will have knowledge of established and emerging workplace health and wellbeing industry best practice, statutory and legislative requirements in workers compensation, injury management and work, health and safety. In addition you will also have the confidence to exercise professional judgement and initiative to drive workplace health and wellbeing initiatives and contribute to Council's work health and safety management system. You will be an excellent communicator with a flexible and adaptable approach to your work and share our team's commitment to providing value to our customers, approaching tasks enthusiastically and working together as a team.

For further information and how to apply:
Please visit hornsby.nsw.gov.au/careers

Closing date: 7 July 2019.

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Notices

General Notices

NOTIFICATION AND REGISTRATION OF ABORIGINAL INTERESTS

Biosis is undertaking an Aboriginal Cultural Heritage Assessment and possible test excavations for Karlong Sand and Soils Supplies at 90 Gindurra Road, Somersby, NSW, within the Gosford Local Government Area for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis. The contact details for the client are:



Biosis invites Aboriginal people who hold cultural knowledge in determining the significance of Aboriginal object(s) and/or places in the vicinity of the above area to register their interest in a process of community consultation.

The purpose of the Aboriginal community consultation is to provide sufficient information for the assessment of Aboriginal cultural heritage values and to assist the Independent Planning Commission in the consideration and determination of the application. The project will be undertaken in accordance with the National Parks and Wildlife Act 1974.

To register an interest in this project please contact:



Please note that the name of each group that registers for consultation on this project will be provided to OEH and the Local Aboriginal Land Council unless the group specifies that they do not want their details released.

REGISTRATIONS MUST BE RECEIVED BEFORE 5.00PM 11 July 2019

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Notices

General Notices

Customer Service Standards

Ausgrid is committed to providing the best possible service to our 1.7 million customers across Sydney, the Central Coast, Hunter and Newcastle.

Customer Service Standards have been established by the NSW Government, setting out the level of service that Ausgrid and other electricity businesses are expected to meet when delivering power to customers.

If we do not meet our Customer Service Standards, you may be entitled to claim a payment of \$80 from us if you experience too many interruptions in one year, or an interruption that lasts too long.

To see the Customer Service Standards or for more information, including how to make a claim, visit www.ausgrid.com.au/customerservicestandards or call Ausgrid on 1800 069 952.



Registration of Interest
for Aboriginal cultural knowledge holders
Gosford, NSW

On behalf of The Trustee for JWD Developments Unit Trust, RPS is requesting registration of interest from Aboriginal Stakeholders for an Aboriginal heritage investigation in the Gosford area.

The purpose of this community consultation with Aboriginal people is to assist the proposed applicant in the preparation of an Aboriginal Cultural Heritage Assessment Report (ACHAR).

As per the OEH guideline: Aboriginal Cultural Heritage Consultation Requirements for Proponents responses are to be received within 2 weeks. Written applications should be forwarded to:

Ben Slack
RPS Australia East Pty Ltd
PO Box 120, Carrington NSW 2294
Tel: 02 4940 4200
Ben.slack@rpsgroup.com.au

Further information will be provided upon registration.

Tenders, Quotes & Contracts

Mariners View - Strata Plan 64085
97 - 99 John Whiteway Dr, Gosford NSW 2250
EXPRESSION OF INTEREST

Building Cleaning

Mariners View is a premier 70-apartment complex. We are looking for a suitable cleaning **CONTRACTOR** to clean all internal areas such as foyers, lobbies, entrances, pool/gym/sauna rooms, toilets, etc., including walls, floors, doors, fittings and all internal windows. Need to have Liability Insurance, Workers Compensation (or Personal and Accident Insurance).

We look to enter into a 3 mth. trial with options thereafter.
A "scope of works" will be sent to interested parties.

Expected Start Date: 12th August, 2019. This is **NOT** an employment opportunity.

Please direct your interest in the first instance to:
David Fittler at: fittler.d@bigpond.com
Mobile: 0437-505-888.

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 20 June 2019 10:14 AM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
Attachments: 30096.Stage1.Notification.Kariong.pdf

Good morning,

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 4 DP 227279 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the Environmental Planning and Assessment Act 1979 NSW and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis on behalf of Jackson Environment and Planning Pty Ltd therefore wish to invite Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s)/and or Places in the vicinity of the study area, to register their interest in the project outlined above.

Please note that as per 4.1.5 of the consultation requirements, the contact details of all registered Aboriginal parties for this project will be forwarded through to Office of Environment and Heritage (OEH) and Darkinjung Local Aboriginal Land Council (LALC). If you do not want your details forwarded on to the OEH and LALC please notify Biosis at the time of your registration.

If you wish to register your interest please provide your contact details in writing via post or email by 5:00 PM 4 July 2019.

If you have any questions please contact me on the details below.

Kind regards,



Leaders in Ecology and Heritage Consulting

The information transmitted including attachments is intended only for the person or entity to which it is addressed and may contain copyright material, or information that is confidential or is exempt from disclosure by law. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is strictly prohibited. If you received this in error, please contact the sender and delete the material from your computer. The views expressed in this email are those of the sender except where the sender expressly and with authority states them to be the views of Biosis Pty Ltd. Biosis Pty Ltd does not represent that this email is free of errors, viruses or interference. When using email to communicate with Biosis Pty Ltd, access to that information by Biosis Pty Ltd personnel is strictly limited and controlled.

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 20 June 2019 10:26 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
Attachments: 30096.Stage.1.Notification.Kariong.ACHA3173.pdf

Good morning,

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 20 June 2019 10:25 AM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
Attachments: 30096.Stage.1.Notification.Kariong.ACHA3171.pdf

Good morning,

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Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
Attachments: 30096.Stage.1.Notification.Kariong.ACHA3175.pdf

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20 June 2019



**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Agencies**
Our Ref: Matter 30096

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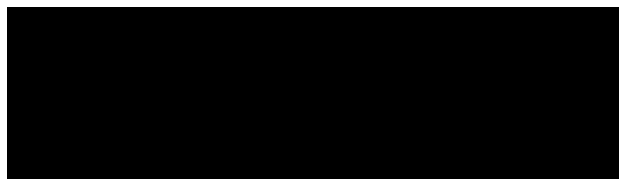
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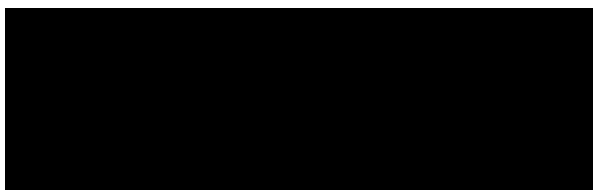
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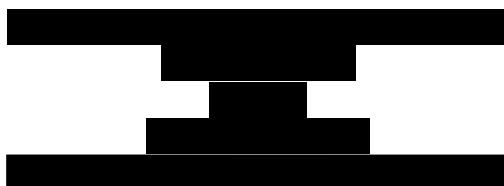
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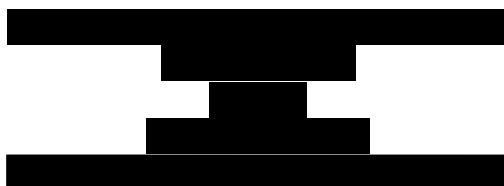
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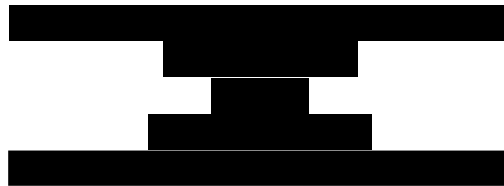
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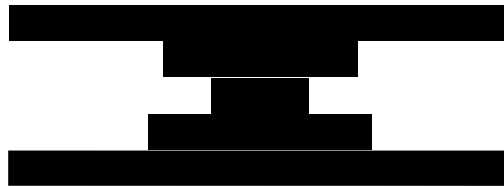
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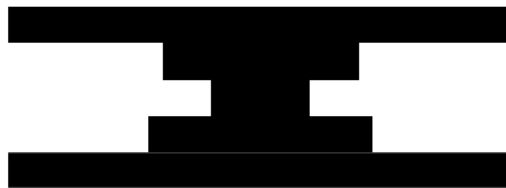
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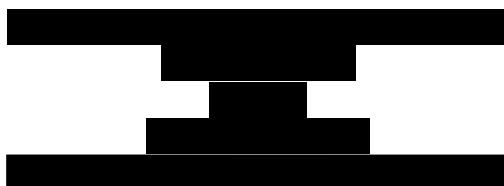
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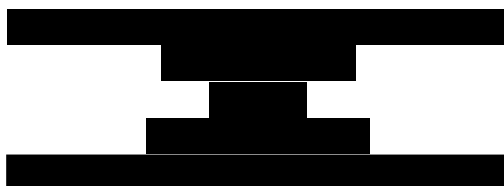
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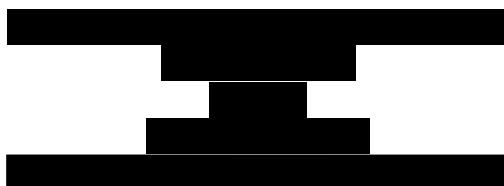
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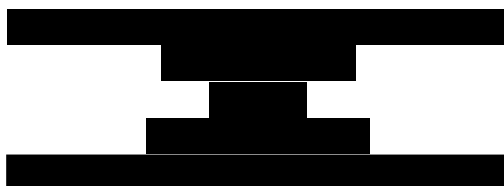
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Yours sincerely

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20 June 2019

[REDACTED]

[REDACTED]

**RE: Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment,
Notification to Stakeholders**
Our Ref: Matter 30096

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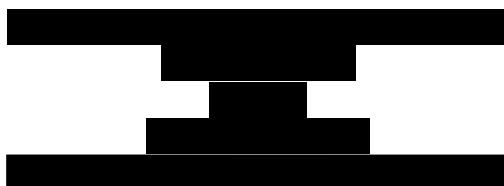
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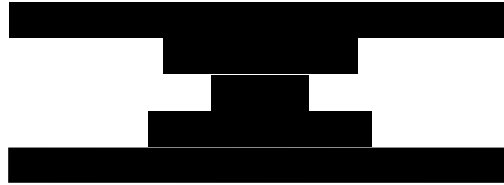
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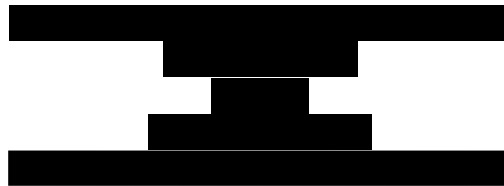
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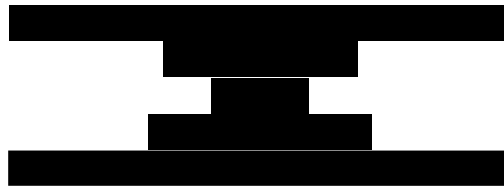
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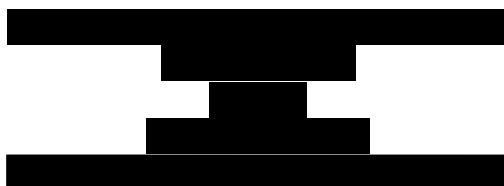
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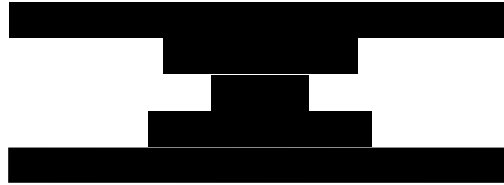
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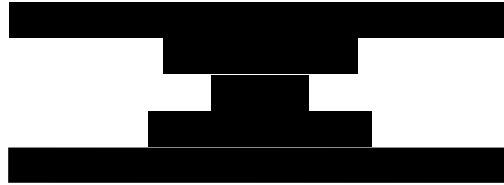
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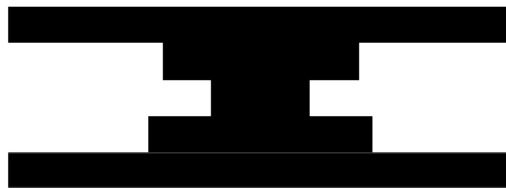
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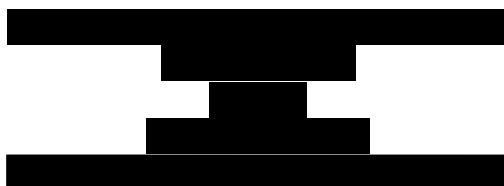
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[REDACTED]

From: [REDACTED]
Sent: Thursday, 20 June 2019 10:33 AM
To: [REDACTED]
Subject: Re: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders

Hi,

Please register my interest in the above project

I hold cultural knowledge relevant to determining the significance of Aboriginal object(s)/and or Places in the vicinity of the study area,

Regards

Get [Outlook for Android](#)

From: [REDACTED]
Sent: Thursday, June 20, 2019 10:13:39 AM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
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If you have any questions please contact me on the details below.

Kind regards,



Leaders in Ecology and Heritage Consulting

The information transmitted including attachments is intended only for the person or entity to which it is addressed and may contain copyright material, or information that is confidential or is exempt from disclosure by law. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is strictly prohibited. If you received this in error, please contact the sender and delete the material from your computer. The views expressed in this email are those of the sender except where the sender expressly and with authority states them to be the views of Biosis Pty Ltd. Biosis Pty Ltd does not represent that this email is free of errors, viruses or interference. When using email to communicate with Biosis Pty Ltd, access to that information by Biosis Pty Ltd personnel is strictly limited and controlled.

[REDACTED]

From: [REDACTED]
Sent: Monday, 1 July 2019 11:53 AM
To: [REDACTED]
Subject: Re: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders

[REDACTED]

Hi
A1 would like to be registered for consultation and future field work.
Thank you
[REDACTED]

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If you wish to register your interest please provide your contact details in writing via post or email by 5:00 PM 4 July 2019.

If you have any questions please contact me on the details below.

Kind regards,



Leaders in Ecology and Heritage Consulting

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 27 June 2019 8:40 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: 30096 Kariong Sand & Soil Supplies

Dear [REDACTED]
Please register Awabakal & Guringai PtyLtd as an interested Aboriginal party for the Kariong Sand & Soil Project. We request to participate actively in all aspects relating to Our cultural heritage.
Kind regards

[REDACTED]

Sent from my [REDACTED] iPhone

[REDACTED]

From: [REDACTED]
Sent: Monday, 24 June 2019 9:33 AM
To: [REDACTED]
Subject: Re: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders

Hi [REDACTED]

Thank you for the information

I would like to register my interest in the project at Lot 4 DP 227279, Number 90 Gindurra Road, Somersby, New South Wales,

Regards
[REDACTED]

From: [REDACTED]
Sent: Thursday, 20 June 2019 10:13 AM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders
Good morning,

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supply site at 90 Gindurra Road, Somersby, New South Wales, Lot 4 DP 227279 (the study area). The project is to be assessed as a State Significant Development (SSD) under Section 89(c) of the Environmental Planning and Assessment Act 1979 NSW and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

Biosis on behalf of Jackson Environment and Planning Pty Ltd therefore wish to invite Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s)/and or Places in the vicinity of the study area, to register their interest in the project outlined above.

Please note that as per 4.1.5 of the consultation requirements, the contact details of all registered Aboriginal parties for this project will be forwarded through to Office of Environment and Heritage (OEH) and Darkinjung Local Aboriginal Land Council (LALC). If you do not want your details forwarded on to the OEH and LALC please notify Biosis at the time of your registration.

If you wish to register your interest please provide your contact details in writing via post or email by 5:00 PM 4 July 2019.

If you have any questions please contact me on the details below.

Kind regards,



Leaders in Ecology and Heritage Consulting

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[REDACTED]

From: Mail Delivery System <MAILER-DAEMON@biosis.com.au>
To: [REDACTED]
Sent: Thursday, 20 June 2019 10:25 AM
Subject: Undeliverable: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders

Delivery has failed to these recipients or groups:

[REDACTED]
The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your email admin.

The following organization rejected your message: extmail.bigpond.com.

Diagnostic information for administrators:

Generating server: mail.biosis.com.au

[REDACTED]
extmail.bigpond.com
Remote Server returned '554 5.1.1 recipient rejected. Recipient does not exist. IB603a>'

Original message headers:

Return-Path:
Received: from BIO-EXCH-01.BiosisResearch.local (unknown [172.26.80.68])
by mail.biosis.com.au (Postfix) with ESMTP id 36B5C112742;
Thu, 20 Jun 2019 10:25:23 +1000 (AEST)
Received: from BIO-EXCH-01.BiosisResearch.local (172.26.80.68) by
BIO-EXCH-01.BiosisResearch.local (172.26.80.68) with Microsoft SMTP Server
(version=TLS1_2, cipher=TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384_P384) id
15.1.669.32; Thu, 20 Jun 2019 10:25:22 +1000
Received: from BIO-EXCH-01.BiosisResearch.local ([fe80::91fd:33f1:8ccf:12ee])
by BIO-EXCH-01.BiosisResearch.local ([fe80::91fd:33f1:8ccf:12ee%12]) with
mapi id 15.01.0669.032; Thu, 20 Jun 2019 10:25:22 +1000
From: [REDACTED]
[REDACTED]
CC: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage
Assessment, Notification to Stakeholders
Thread-Topic: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural
Heritage Assessment, Notification to Stakeholders
Thread-Index: AdUm/oWevmVuD4OoQlKiyLadTeWscA==
Date: Thu, 20 Jun 2019 00:25:22 +0000
Message-ID:
Accept-Language: en-AU, en-US
Content-Language: en-US
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator:
x-originating-ip: [172.26.80.77]

x-tm-as-product-ver: SMEX-11.7.0.1024-8.200.1013-24682.001
x-tm-as-result: No--28.611600-4.000000-31
x-tm-as-user-approved-sender: No
x-tm-as-user-blocked-sender: No
x-exclaimer-md-config: 62029055-612c-4277-99dc-8a73c8bc9c1e
x-exclaimer-md-bifurcation-instance: 0
x-exclaimer-md-search-key: thb8CN54X0SODTnlEQ5cKQ==
Content-Type: text/plain
MIME-Version: 1.0

[REDACTED]

From: Mail Delivery System <MAILER-DAEMON@biosis.com.au>
To: [REDACTED]
Sent: Thursday, 20 June 2019 10:26 AM
Subject: Undeliverable: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage Assessment, Notification to Stakeholders

Delivery has failed to these recipients or groups:

[REDACTED]
The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your email admin.

The following organization rejected your message: mx2.mail.icloud.com.

Diagnostic information for administrators:

Generating server: mail.biosis.com.au

[REDACTED]
mx2.mail.icloud.com
Remote Server returned '554 5.1.1 : user does not exist>'

Original message headers:

Return-Path:
Received: from BIO-EXCH-01.BiosisResearch.local (unknown [172.26.80.68])
by mail.biosis.com.au (Postfix) with ESMTP id DEDCA112741;
Thu, 20 Jun 2019 10:25:25 +1000 (AEST)
Received: from BIO-EXCH-01.BiosisResearch.local (172.26.80.68) by
BIO-EXCH-01.BiosisResearch.local (172.26.80.68) with Microsoft SMTP Server
(version=TLS1_2, cipher=TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384_P384) id
15.1.669.32; Thu, 20 Jun 2019 10:25:25 +1000
Received: from BIO-EXCH-01.BiosisResearch.local ([fe80::91fd:33f1:8ccf:12ee])
by BIO-EXCH-01.BiosisResearch.local ([fe80::91fd:33f1:8ccf:12ee%12]) with
mapi id 15.01.0669.032; Thu, 20 Jun 2019 10:25:25 +1000
From: [REDACTED]
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural Heritage
Assessment, Notification to Stakeholders
Thread-Topic: 30096 Kariong Sand and Soils Supplies: Aboriginal Cultural
Heritage Assessment, Notification to Stakeholders
Thread-Index: AdUm/fZ0z+lDk6zGTmqafZEJRy3o5g==
Date: Thu, 20 Jun 2019 00:25:25 +0000
Message-ID:
Accept-Language: en-AU, en-US
Content-Language: en-US
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator:
x-originating-ip: [172.26.80.77]

x-tm-as-product-ver: SMEX-11.7.0.1024-8.200.1013-24682.001
x-tm-as-result: No--24.287100-4.000000-31
x-tm-as-user-approved-sender: No
x-tm-as-user-blocked-sender: No
x-exclaimer-md-config: 62029055-612c-4277-99dc-8a73c8bc9c1e
x-exclaimer-md-bifurcation-instance: 0
x-exclaimer-md-search-key: z7lZ3GDYB0qKaYrghHSXMQ==
Content-Type: text/plain
MIME-Version: 1.0

Appendix 3 Stage 2 and 3: Presentation of information about the proposed project and project methodology

[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Attachments: 30096.Kariong.Stage2and3.20190725165.pdf

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology.

The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before 5pm Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]
Biosis Pty Ltd
Suite 8, 27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]
M: [REDACTED]
D: [REDACTED]
E: [REDACTED]



Leaders in Ecology and Heritage Consulting

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[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Attachments: 30096.Kariong.Stage2and3.20190725164.pdf

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology.

The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before 5pm Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]
Biosis Pty Ltd
Suite 8, 27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]
M: [REDACTED]
D: [REDACTED]
E: [REDACTED]



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Attachments: 30096.Kariong.Stage2and3.20190725162.pdf

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology.

The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before 5pm Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]
Biosis Pty Ltd
Suite 8, 27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]
M: [REDACTED]
D: [REDACTED]
E: [REDACTED]



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Attachments: 30096.Kariong.Stage2and3.20190725161.pdf

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology.

The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before 5pm Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]
Biosis Pty Ltd
Suite 8, 27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]
M: [REDACTED]
D: [REDACTED]
E: [REDACTED]



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[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Attachments: 30096.Kariong.Stage2and3.20190725166.pdf

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology.

The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before 5pm Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]
Biosis Pty Ltd
Suite 8, 27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]
M: [REDACTED]
D: [REDACTED]
E: [REDACTED]



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25 July 2019

Darkinjung Local Aboriginal Land Council

168 Pacific Highway
Watanobbi NSW 2259

Dear [REDACTED],

RE: Stage 2 and 3 Aboriginal Community Consultation - Kariong Sand and Soils Supplies, 90 Gindurra Road, Somersby

Our Ref: Matter 30096

Thank you for registering your interest in the Kariong Sand and Soils Supplies Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD) at 90 Gindurra Road, Somersby, New South Wales (NSW) (the study area). The SSD will be assessed under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

The purpose of the ACHA is to determine the impacts the proposed development will have on any Aboriginal heritage values present within the study area.

The following project information and assessment methodology has been provided in accordance with section 4.2 and section 4.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The aim of this letter is to provide you with information about the project, and the proposed ACHA process and to seek your feedback to inform the ACHA.

It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by **5PM 22 August 2019** either by email, phone or return mail.

Please address feedback to:

[REDACTED]
Biosis Pty Ltd
8/27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Yours sincerely

Biosis Pty Ltd
Newcastle Resource Group

Suite 8, 27 Annie Street
Wickham NSW 2293

Phone: 02 4911 4040

ACN 006 175 097
ABN 65 006 175 097

Email: newcastle@biosis.com.au

biosis.com.au



Stage 2 – Project information

The aim of the stage 2 document is to provide registered Aboriginal parties (RAPs) with information about the scope of the project, and the proposed cultural heritage assessment process, and to seek their feedback on the project.

The project

Biosis has been engaged by Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to undertake the ACHA to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD). The proposed development consist of the construction and operation of a resource recovery facility to process up to 200,000 tonnes per annum of soil, sand and building materials. The complete development would require the following:

- Installation of security fencing.
- Construction of a hardstand area for processing material.
- Construction of storage bays for processed material.
- Construction of on-site roads suitable for large vehicles.
- Construction of a truck parking area.
- Construction of an office and maintenance workshop.
- Construction of stormwater run-off and drainage/treatment infrastructure.

Study area

The study area encompasses 90 Gindurra Road, Somersby NSW (Lot 4 DP 227279). It is within the Central Coast Local Government Area (LGA), Parish of Gosford, County of Northumberland, and is approximately 8 kilometers east of the Gosford Central Business District (Figure 1). The study area encompasses approximately 10.8 hectares of private land and the adjacent road reserves (Figure 2).

Background

Biosis conducted an Aboriginal Due Diligence Assessment (ADDA) for the study area in 2018. Searches of the Aboriginal Heritage Information Management System (AHIMS) database conducted in 2018 and May 2019 identified 36 Aboriginal archaeological sites within a 5 x 5 kilometre search area, centred on the study area (Client Service ID: 313504, and 423782). The search identified that there are no sites located within the study area (Figure 3).

AMBS (2002) completed a plan of management for the Somersby Industrial Park for the NSW Department of Environment and Planning. The management plan completed by AMBS (2002) lists Aboriginal site SIE 26 as being located approximately 50 metres to the west of the study area. This site is not recorded on the AHIMS database. SIE 26 consists of an engraving site of three macropods about 450 millimetres long located

on a small rock surface (J. C. Lough & Associates 1981). However, during the field investigation, AMBS was not able to locate the site. The report speculates that the site may be closer to the road and inferred that the site was likely to be covered with soil, vegetation, and dumped rubbish (Australian Museum Business Services 2002, vol. 2, pg. 92). The AMBS report references drawings from the Lough & Associates report, however these were unable to be located within the Lough & Associates report. In particular, AMBS has included a site plan of SIE 26 (Plate 1), which indicates that the engravings are located to the south east of Gindurra Road.

A field investigation of the study area was undertaken as part of the ADDA. No Aboriginal sites or objects were identified within the proposed impact area. No areas of exposed sandstone suitable for rock engravings were identified. An attempt to relocate site SEI 26 was made however, it could not be relocated. Further detail regarding the site inspection can be found in the project methodology below.

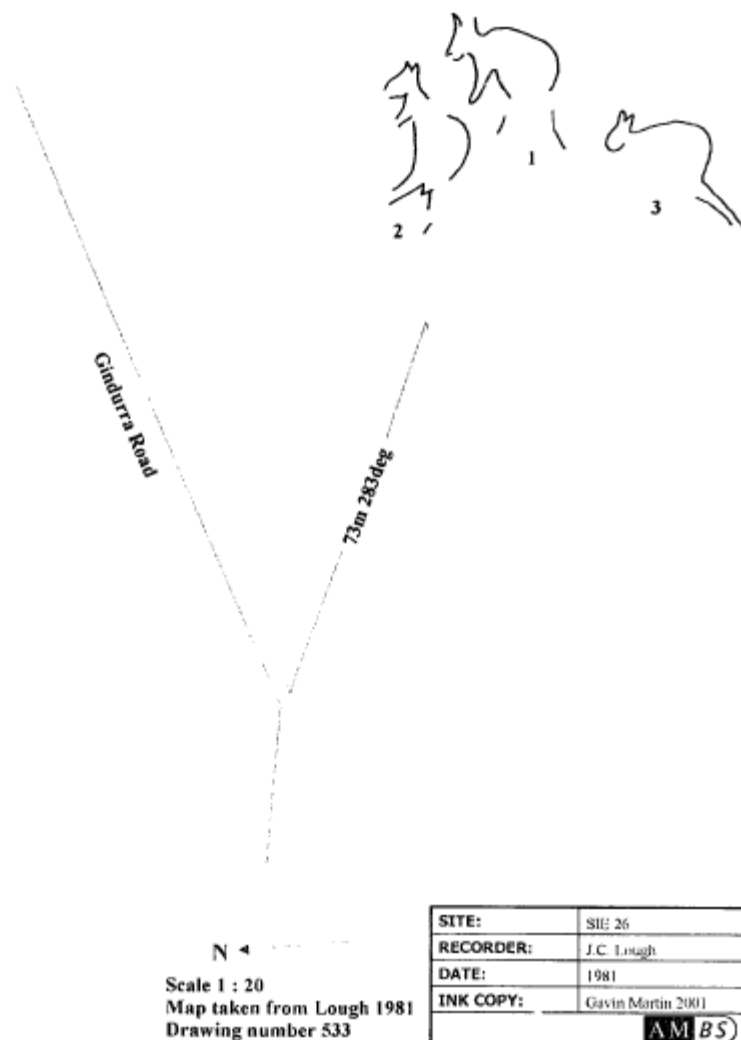


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002, vol. 2, pg. 95).

Project schedule

The proposed schedule and time allocations for the consultation stages are summarised below.

Action	Timeframe	Potential constraints and limitations
Commencement of Aboriginal community consultation – advertising of project and notification to stakeholders	Completed	Project advertised in the Central Coast Express on 27 June 2019. Notices sent to identified Aboriginal parties 20 June 2019.
Notices sent to identified Aboriginal parties	20 June 2019	N/A
Aboriginal stakeholder registration period	20 June 2019 to 11 July 2019	Registration period expired on 11 July 2019
Field investigation	2 February 2018	Dense vegetation cover, very low visibility, and high disturbance hindered the survey
Archaeological test excavations (if required)	TBC	TBC
Information gathering	Continuous	N/A
Review of draft report	TBC	28 days review time allowed under the consultation guidelines.
Final report	TBC	TBC

Responsibilities and roles

As part of the consultation process, RAPs are expected to respond to requests for cultural information and comment on draft reporting, as appropriate, in accordance with their role specified in section 5 of the consultation requirements. Biosis and the proponent, in accordance with their role under section 5 of the consultation requirements, will consult with the Aboriginal community by supplying suitable project information and providing the opportunity for Aboriginal stakeholders to provide input into the heritage management process.

Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

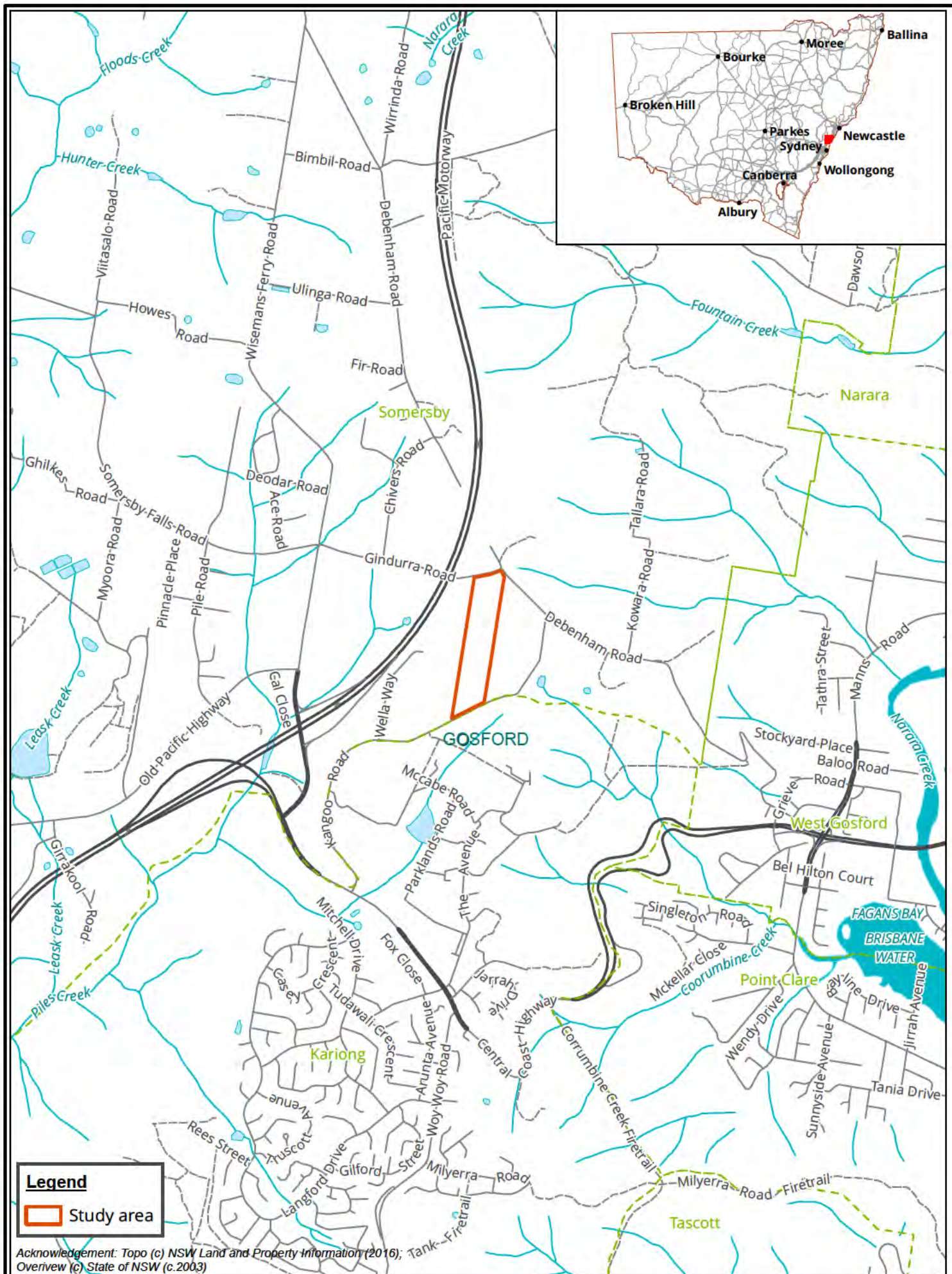


Figure 1: Location of the study area

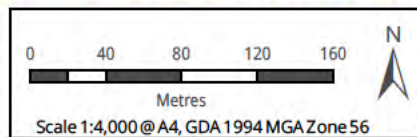


Figure 2: Study area detail



Biosis Pty Ltd
Albury, Ballarat, Melbourne,
Newcastle, Sydney, Wangaratta & Wollongong

Matter: 26452
Date: 02 March 2018,
Checked by: CLA, Drawn by: LW, Last edited by: lwilson
Location: \\bio-data-01\matters\26400s\26452\mapping\



Stage 3 – Gathering information about cultural significance

The aims of stage 3 of the consultation process is to facilitate a process where RAPs for the project can:

- Contribute to culturally appropriate information gathering and the research methodology.
- Provide information that will enable the cultural significance of Aboriginal objects and/or places in the proposed study area to be determined.
- Have input into the development of any cultural heritage management options (DECCW 2010a, p.12).

The purpose of the stage 3 document below is to provide RAPs with information about the proposed ACHA methodology for the project, including the survey strategy and test excavation (if required) methodology and to seek feedback on the Aboriginal cultural values present within the study area.

The assessment methodology includes the following tasks:

Background research

This task will identify known Aboriginal sites, areas of potential archaeological sensitivity and previous disturbance, and inform the predictive modelling for the assessment/study area. The following steps will be undertaken:

- A search of the AHIMS database will be completed to identify registered sites in the vicinity of the assessment/study area. The results of the AHIMS search will be used to obtain relevant site cards and relevant previously completed Aboriginal cultural heritage assessments.
- A review of relevant reports identified through the AHIMS search will be undertaken.
- A review of aerial photographs and other resources to gauge the existing landscape and previous history of land disturbance will be undertaken.
- A review of the historical heritage databases will be undertaken.
- A brief summary of the historical uses of the study area will be developed.

Consultation with the Aboriginal community

This task will provide the Aboriginal community with the opportunity to participate in decisions regarding the management of their cultural heritage by providing proponents information regarding cultural significance and opportunities to input into management options.

Aboriginal community consultation will be undertaken in accordance with the consultation requirements, which includes:

- COMPLETED. Biosis ascertained the names of Aboriginal people or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/ or places within the study area.

- COMPLETED. Aboriginal stakeholders were provided with notification by letter of the project on 20 June 2019 via Biosis on behalf of Jackson Environment and Planning Pty Ltd, and given the opportunity to be involved in consultation.
- This document outlines the details of the project and proposed archaeological testing methodology if required. The RAPs must be given an opportunity to review and provide feedback to the proponent within a minimum of 28 days of Biosis providing the methodology document.
- The DRAFT ACHA report and Archaeological Report (AR) will be provided to all RAPs for comment – the proponent must allow 28 days for comment. All comments and correspondence sent and received regarding the project will be included in the final report in an appendix.

Culturally sensitive material

Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

Cultural information provided will be recorded in the Aboriginal consultation log and discussed in the report. If the information is regarded as too sensitive to be made public then RAPs should advise Biosis and identify the nature of the sensitivity. Biosis will then arrange for the recording of the information in accordance with its sensitivity. Documents which hold sensitive information will clearly list, on the front cover, who can have access to the document. These documents will be stored securely.

Field investigation

A previous field investigation consisting of a pedestrian survey of the study area was conducted by Biosis on 2 February 2018 with representatives from Darkinjung Local Aboriginal Land Council in order to identify any previously unrecorded Aboriginal objects, sites, or areas of potential. No previously unrecorded Aboriginal sites or objects were located during the field survey (Figure 5). An attempt to relocate SIE 26 was made, however no evidence of rock engravings were identified during the field investigation.

The northern section of the study area was determined to be highly disturbed by the previous use of the study area as a sand and soil recycling centre. This would have significantly impacted soil deposits and resulted in the disturbance and destruction of potential sites.

The southern section of the study area was heavily vegetated and could not be accessed during the survey due to this vegetation. Observations of the vegetation in this area consisted of shrubs and small trees, with occasional mature scribbly gums showing evidence of burning present. Impacts to the southern section of the study area are not proposed as part of the development.

Due to the high levels of disturbance identified in the northern section and the lack of sandstone exposures and overhangs suitable for rock, engravings, shelters and grinding grooves, it was assessed that there is low potential for Aboriginal sites to be present within the study area. Test excavations were not recommended due to the high degree of disturbance in the study area.

Recording during the field investigation followed requirements 5 to 10 of the Code and industry best practice. Information recorded included:

- Aboriginal objects or sites present in the study area during the investigation.

- Survey coverage.
- Any resources that may have potentially have been exploited by Aboriginal people.
- Landforms.
- Photographs of the site indicating landform.
- Evidence of disturbance.
- Aboriginal artefacts, culturally modified trees or any other Aboriginal sites.

Where possible, Identification of natural soil deposits within the study area was undertaken. Representative photographs of survey units, landform, vegetation coverage, ground surface visibility was undertaken.

Detailed results of the field investigation will be provided in the draft ACHA report and AR.

Archaeological test excavations (if required)

As detailed above, the survey did not recommend test excavations as the study area has been highly disturbed and it is unlikely that intact archaeological deposits will remain. The following methodology will be used in the event that further assessment conducted as part of the ACHA and consultation has indicated that test excavations are required.

Aims

The principle objectives of test excavations are to identify and understand the nature, extent and significance of any areas of PAD within the study area. This will further our knowledge of Aboriginal archaeological site patterning within the study area and enable the predictive model to be further tested and refined.

The aims of the testing program are to:

- Determine the nature and extent of the sub-surface archaeological deposits in the study area.
- Identify if the archaeological material occurs in an intact, undisturbed context, by examining the soil profile and stratigraphy.
- Analyse and interpret any archaeological finds (such as stone artefacts, hearths, etc.) recovered during the testing program.
- Inform current knowledge of Aboriginal occupation and land use models of the region.
- Provide management and mitigation measures for Aboriginal archaeological objects located during the subsurface testing program.
- Test the predictive model and answer the research questions developed as part of this assessment.

Test excavation methodology

If test excavations are required within the study area they will conform to the following methodology in line with Requirement 16 of the Code:

- Test excavations will be conducted in 50 by 50 centimetre units.

- The test pits will be excavated by hand (inclusive of trowels, spades and other hand tools) along transects at intervals of between 10 and 20 metres or other justifiable and regular spacing (being no smaller than five metres).
- The first test pit within a site or PAD area will be excavated in five centimetre spits; the subsequent test pits conducted within the site or PAD area can then be excavated in either 10 centimetre spits or stratigraphic units (whichever is smaller) to the base of Aboriginal object-bearing units being the removal of the A-horizon soil deposit down to the sterile clay or bedrock layer (B-horizon).
- If the depth of deposit prevents reaching sterile deposits within the 50 by 50 centimetre test pit, additional 50 by 50 centimetre test pits may be excavated adjacent to the original test pit (for example expanding the test pit to 50 by 100 centimetres) to reach the sterile deposits.
- Test pits may be combined and excavated as necessary in 50 by 50 centimetre units for the purposes of further understanding site characteristics. Note that under the Code, the maximum area that can be excavated in any one continuous area is three metres squared (3 m²).
- The Code dictates that the maximum surface area of all test excavation units must be no greater than 0.5% of the PAD or area being investigated.
- All excavated soil will be sieved in 5 millimetre sieves. Dry sieving will be attempted in the first instance, however wet sieving may be used if deposits cannot be dry sieved.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis (at Suite 8, 27 Annie Street, Wickham NSW 2293).
- For each test pit that is excavated, the following documentation will be taken:
 - Unique test pit identification number.
 - GPS coordinate of each test pit.
 - Munsell soil colour and texture.
 - Amount and location of cultural material within the deposit.
 - Nature of disturbance where present.
 - Stratigraphy.
 - Archaeological features (if present).
 - Photographic records.
 - Spit records.
- Test excavation units will be backfilled as soon as practicable.
- An AHIMS Site Impact Recording form will be completed and submitted to the AHIMS Registrar for any sites impacted during test excavations.
- In the event that suspected human remains are identified works will immediately cease and the NSW Police and OEHL will be notified.
- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present with regard to their nature and significance.

**Enough information is defined by OEH as meaning “the sample of excavated material clearly and self-evidently demonstrates the deposit’s nature and significance. This may include things like locally or regionally high object density: presence of rare or representative objects: presence of archaeological features: or locally or regionally significant deposits stratified or not.”(DECCW 2010b, p.28).*

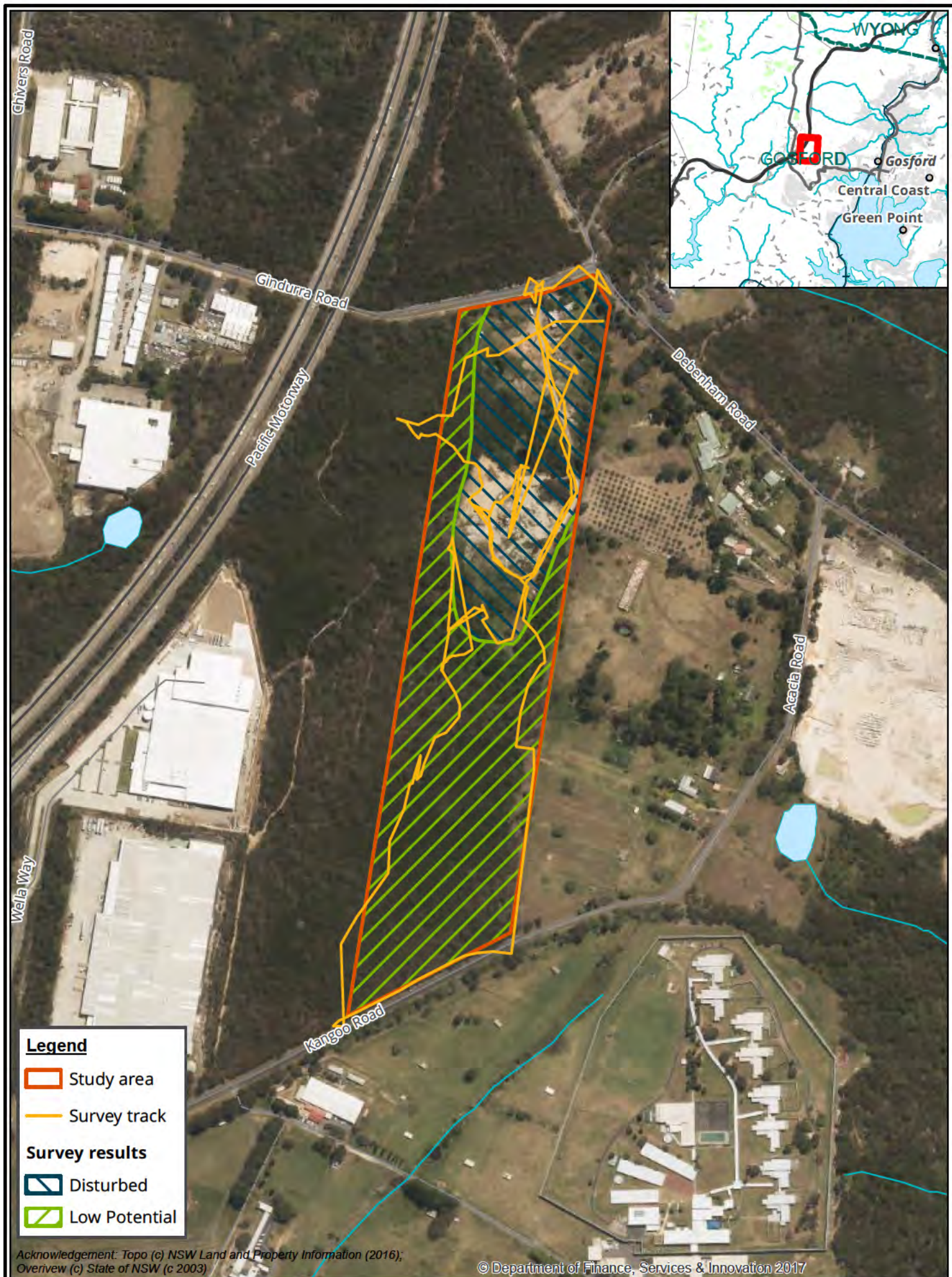
Storage of cultural material

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Once the cultural material has been analysed, the cultural material can be managed in the following manners:

- Cultural material can be held by the Aboriginal community under a care and control agreement.
- Cultural material can be returned to country and reburied as soon as practicable in a secure location in accordance with Requirements 16b and 26 of the Code.

Biosis requests any comments regarding the care and control of any cultural material be included as part of the review of this assessment methodology.



Reporting

Biosis will prepare an ACHA and AR for the project. The ACHA will document the findings of the assessment, and detail the consultation process. The AR will be included as an appendix to the ACHA and will document the desktop assessment, field investigation, and if required, test excavation results.

The main aim of the report is to document the assessment of potential development related impacts to Aboriginal cultural heritage and to formulate strategies to manage these impacts. Reporting will follow the guidelines of OEH, in particular the consultation requirements, the Code, and the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011).

The ACHA report will contain:

- Details of the Aboriginal consultation process undertaken as part of the assessment.
- A review and summary of the environmental context of the study area.
- A review and summary of the Aboriginal archaeological context of the study area.
- Archaeological test excavation results (if required).
- Aboriginal site significance assessment.
- Impact assessment.
- Management strategies.
- Maps detailing any Aboriginal sites identified during the assessment process.

The RAPs will be provided with the draft ACHA report and AR, and their comments on the report content sought. Comments on the report's content are to be provided to Biosis by the party's respective nominated spokesperson(s). All comments not provided in writing will be recorded in an informal logbook by Biosis. These comments and responses to these comments will be documented in the final ACHA.

As part of this methodology registered Aboriginal parties will be provided with the draft report for comment and allowed **28 days** for review.

The final report will incorporate all comments and will be forwarded on to RAPs once completed.

References

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25 July 2019

[REDACTED]
[REDACTED]
[REDACTED]

Dear [REDACTED]

RE: Stage 2 and 3 Aboriginal Community Consultation - Kariong Sand and Soils Supplies, 90 Gindurra Road, Somersby
Our Ref: Matter 30096

Thank you for registering your interest in the Kariong Sand and Soils Supplies Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD) at 90 Gindurra Road, Somersby, New South Wales (NSW) (the study area). The SSD will be assessed under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

The purpose of the ACHA is to determine the impacts the proposed development will have on any Aboriginal heritage values present within the study area.

The following project information and assessment methodology has been provided in accordance with section 4.2 and section 4.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The aim of this letter is to provide you with information about the project, and the proposed ACHA process and to seek your feedback to inform the ACHA.

It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by **5PM 22 August 2019** either by email, phone or return mail.

Please address feedback to:

[REDACTED]
Biosis Pty Ltd
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Yours sincerely

Biosis Pty Ltd
Newcastle Resource Group

Suite 8, 27 Annie Street
Wickham NSW 2293

Phone: 02 4911 4040

ACN 006 175 097
ABN 65 006 175 097

Email: newcastle@biosis.com.au

biosis.com.au



Stage 2 – Project information

The aim of the stage 2 document is to provide registered Aboriginal parties (RAPs) with information about the scope of the project, and the proposed cultural heritage assessment process, and to seek their feedback on the project.

The project

Biosis has been engaged by Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to undertake the ACHA to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD). The proposed development consist of the construction and operation of a resource recovery facility to process up to 200,000 tonnes per annum of soil, sand and building materials. The complete development would require the following:

- Installation of security fencing.
- Construction of a hardstand area for processing material.
- Construction of storage bays for processed material.
- Construction of on-site roads suitable for large vehicles.
- Construction of a truck parking area.
- Construction of an office and maintenance workshop.
- Construction of stormwater run-off and drainage/treatment infrastructure.

Study area

The study area encompasses 90 Gindurra Road, Somersby NSW (Lot 4 DP 227279). It is within the Central Coast Local Government Area (LGA), Parish of Gosford, County of Northumberland, and is approximately 8 kilometers east of the Gosford Central Business District (Figure 1). The study area encompasses approximately 10.8 hectares of private land and the adjacent road reserves (Figure 2).

Background

Biosis conducted an Aboriginal Due Diligence Assessment (ADDA) for the study area in 2018. Searches of the Aboriginal Heritage Information Management System (AHIMS) database conducted in 2018 and May 2019 identified 36 Aboriginal archaeological sites within a 5 x 5 kilometre search area, centred on the study area (Client Service ID: 313504, and 423782). The search identified that there are no sites located within the study area (Figure 3).

AMBS (2002) completed a plan of management for the Somersby Industrial Park for the NSW Department of Environment and Planning. The management plan completed by AMBS (2002) lists Aboriginal site SIE 26 as being located approximately 50 metres to the west of the study area. This site is not recorded on the AHIMS database. SIE 26 consists of an engraving site of three macropods about 450 millimetres long located

on a small rock surface (J. C. Lough & Associates 1981). However, during the field investigation, AMBS was not able to locate the site. The report speculates that the site may be closer to the road and inferred that the site was likely to be covered with soil, vegetation, and dumped rubbish (Australian Museum Business Services 2002, vol. 2, pg. 92). The AMBS report references drawings from the Lough & Associates report, however these were unable to be located within the Lough & Associates report. In particular, AMBS has included a site plan of SIE 26 (Plate 1), which indicates that the engravings are located to the south east of Gindurra Road.

A field investigation of the study area was undertaken as part of the ADDA. No Aboriginal sites or objects were identified within the proposed impact area. No areas of exposed sandstone suitable for rock engravings were identified. An attempt to relocate site SEI 26 was made however, it could not be relocated. Further detail regarding the site inspection can be found in the project methodology below.

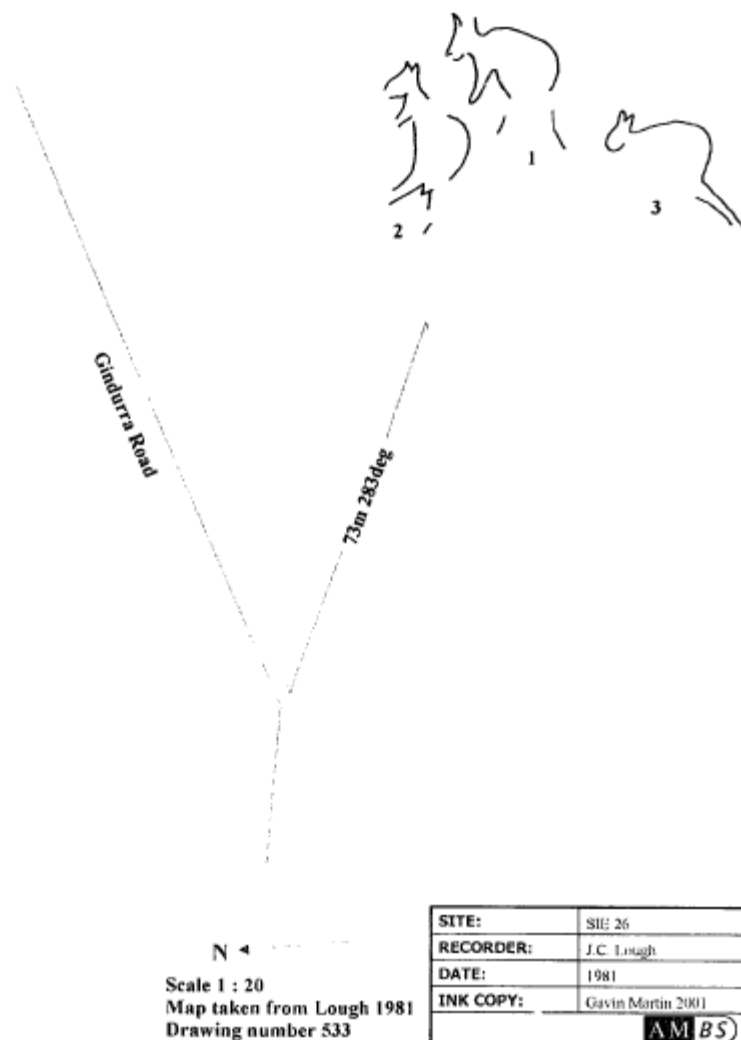


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002, vol. 2, pg. 95).

Project schedule

The proposed schedule and time allocations for the consultation stages are summarised below.

Action	Timeframe	Potential constraints and limitations
Commencement of Aboriginal community consultation – advertising of project and notification to stakeholders	Completed	Project advertised in the Central Coast Express on 27 June 2019. Notices sent to identified Aboriginal parties 20 June 2019.
Notices sent to identified Aboriginal parties	20 June 2019	N/A
Aboriginal stakeholder registration period	20 June 2019 to 11 July 2019	Registration period expired on 11 July 2019
Field investigation	2 February 2018	Dense vegetation cover, very low visibility, and high disturbance hindered the survey
Archaeological test excavations (if required)	TBC	TBC
Information gathering	Continuous	N/A
Review of draft report	TBC	28 days review time allowed under the consultation guidelines.
Final report	TBC	TBC

Responsibilities and roles

As part of the consultation process, RAPs are expected to respond to requests for cultural information and comment on draft reporting, as appropriate, in accordance with their role specified in section 5 of the consultation requirements. Biosis and the proponent, in accordance with their role under section 5 of the consultation requirements, will consult with the Aboriginal community by supplying suitable project information and providing the opportunity for Aboriginal stakeholders to provide input into the heritage management process.

Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

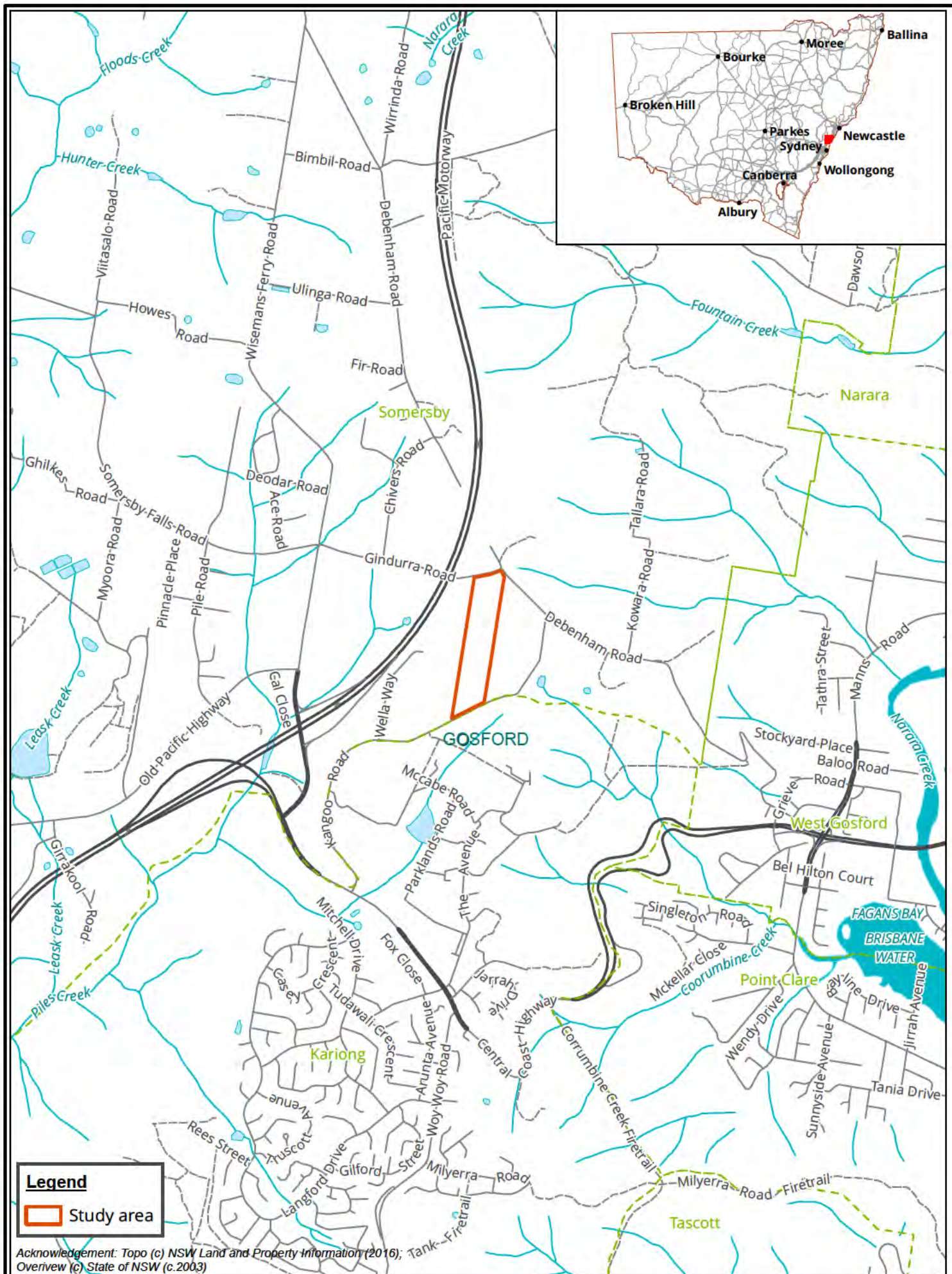


Figure 1: Location of the study area

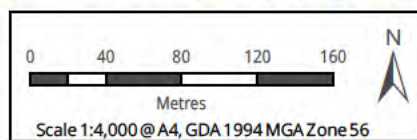


Acknowledgement: Topo 101 NSW Land and Property Information (2016).
 Overview: State of NSW (c 2003)



Biosis Pty Ltd
 Albury, Ballarat, Melbourne,
 Newcastle, Sydney, Wangaratta & Wollongong

Matter: 26452
 Date: 02 March 2018,
 Checked by: CLA, Drawn by: LW, Last edited by: lwilson
 Location: \\bio-data-01\matters\26400s\26452\mapping\



Stage 3 – Gathering information about cultural significance

The aims of stage 3 of the consultation process is to facilitate a process where RAPs for the project can:

- Contribute to culturally appropriate information gathering and the research methodology.
- Provide information that will enable the cultural significance of Aboriginal objects and/or places in the proposed study area to be determined.
- Have input into the development of any cultural heritage management options (DECCW 2010a, p.12).

The purpose of the stage 3 document below is to provide RAPs with information about the proposed ACHA methodology for the project, including the survey strategy and test excavation (if required) methodology and to seek feedback on the Aboriginal cultural values present within the study area.

The assessment methodology includes the following tasks:

Background research

This task will identify known Aboriginal sites, areas of potential archaeological sensitivity and previous disturbance, and inform the predictive modelling for the assessment/study area. The following steps will be undertaken:

- A search of the AHIMS database will be completed to identify registered sites in the vicinity of the assessment/study area. The results of the AHIMS search will be used to obtain relevant site cards and relevant previously completed Aboriginal cultural heritage assessments.
- A review of relevant reports identified through the AHIMS search will be undertaken.
- A review of aerial photographs and other resources to gauge the existing landscape and previous history of land disturbance will be undertaken.
- A review of the historical heritage databases will be undertaken.
- A brief summary of the historical uses of the study area will be developed.

Consultation with the Aboriginal community

This task will provide the Aboriginal community with the opportunity to participate in decisions regarding the management of their cultural heritage by providing proponents information regarding cultural significance and opportunities to input into management options.

Aboriginal community consultation will be undertaken in accordance with the consultation requirements, which includes:

- COMPLETED. Biosis ascertained the names of Aboriginal people or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/ or places within the study area.

- COMPLETED. Aboriginal stakeholders were provided with notification by letter of the project on 20 June 2019 via Biosis on behalf of Jackson Environment and Planning Pty Ltd, and given the opportunity to be involved in consultation.
- This document outlines the details of the project and proposed archaeological testing methodology if required. The RAPs must be given an opportunity to review and provide feedback to the proponent within a minimum of 28 days of Biosis providing the methodology document.
- The DRAFT ACHA report and Archaeological Report (AR) will be provided to all RAPs for comment – the proponent must allow 28 days for comment. All comments and correspondence sent and received regarding the project will be included in the final report in an appendix.

Culturally sensitive material

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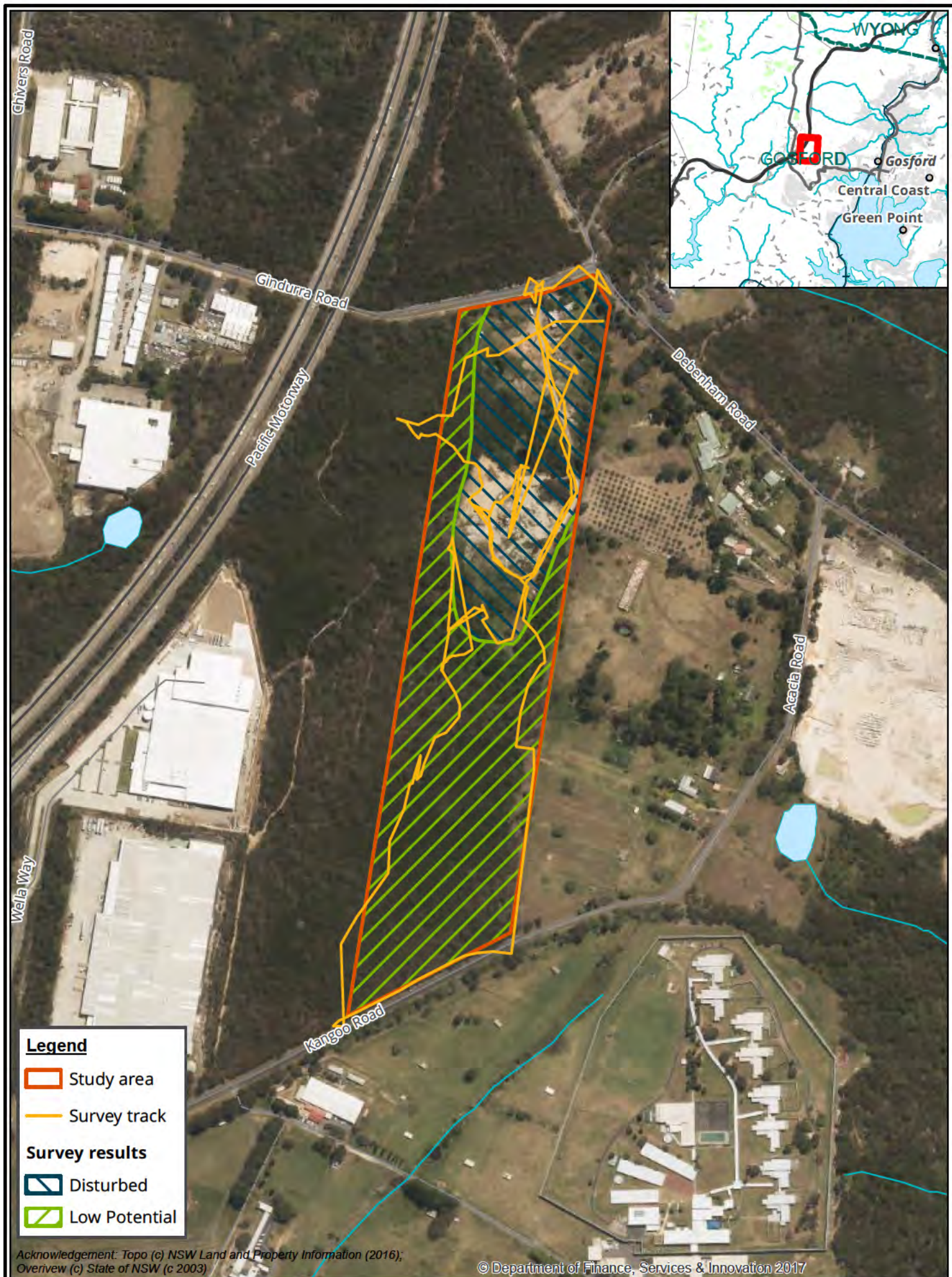
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25 July 2019

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The purpose of the ACHA is to determine the impacts the proposed development will have on any Aboriginal heritage values present within the study area.

The following project information and assessment methodology has been provided in accordance with section 4.2 and section 4.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The aim of this letter is to provide you with information about the project, and the proposed ACHA process and to seek your feedback to inform the ACHA.

It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by **5PM 22 August 2019** either by email, phone or return mail.

Please address feedback to:

[REDACTED]
Biosis Pty Ltd
8/27 Annie Street
Wickham NSW 2293
[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Yours sincerely

Biosis Pty Ltd
Newcastle Resource Group

Suite 8, 27 Annie Street
Wickham NSW 2293

Phone: 02 4911 4040

ACN 006 175 097
ABN 65 006 175 097

Email: newcastle@biosis.com.au

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Stage 2 – Project information

The aim of the stage 2 document is to provide registered Aboriginal parties (RAPs) with information about the scope of the project, and the proposed cultural heritage assessment process, and to seek their feedback on the project.

The project

Biosis has been engaged by Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to undertake the ACHA to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD). The proposed development consist of the construction and operation of a resource recovery facility to process up to 200,000 tonnes per annum of soil, sand and building materials. The complete development would require the following:

- Installation of security fencing.
- Construction of a hardstand area for processing material.
- Construction of storage bays for processed material.
- Construction of on-site roads suitable for large vehicles.
- Construction of a truck parking area.
- Construction of an office and maintenance workshop.
- Construction of stormwater run-off and drainage/treatment infrastructure.

Study area

The study area encompasses 90 Gindurra Road, Somersby NSW (Lot 4 DP 227279). It is within the Central Coast Local Government Area (LGA), Parish of Gosford, County of Northumberland, and is approximately 8 kilometers east of the Gosford Central Business District (Figure 1). The study area encompasses approximately 10.8 hectares of private land and the adjacent road reserves (Figure 2).

Background

Biosis conducted an Aboriginal Due Diligence Assessment (ADDA) for the study area in 2018. Searches of the Aboriginal Heritage Information Management System (AHIMS) database conducted in 2018 and May 2019 identified 36 Aboriginal archaeological sites within a 5 x 5 kilometre search area, centred on the study area (Client Service ID: 313504, and 423782). The search identified that there are no sites located within the study area (Figure 3).

AMBS (2002) completed a plan of management for the Somersby Industrial Park for the NSW Department of Environment and Planning. The management plan completed by AMBS (2002) lists Aboriginal site SIE 26 as being located approximately 50 metres to the west of the study area. This site is not recorded on the AHIMS database. SIE 26 consists of an engraving site of three macropods about 450 millimetres long located

on a small rock surface (J. C. Lough & Associates 1981). However, during the field investigation, AMBS was not able to locate the site. The report speculates that the site may be closer to the road and inferred that the site was likely to be covered with soil, vegetation, and dumped rubbish (Australian Museum Business Services 2002, vol. 2, pg. 92). The AMBS report references drawings from the Lough & Associates report, however these were unable to be located within the Lough & Associates report. In particular, AMBS has included a site plan of SIE 26 (Plate 1), which indicates that the engravings are located to the south east of Gindurra Road.

A field investigation of the study area was undertaken as part of the ADDA. No Aboriginal sites or objects were identified within the proposed impact area. No areas of exposed sandstone suitable for rock engravings were identified. An attempt to relocate site SEI 26 was made however, it could not be relocated. Further detail regarding the site inspection can be found in the project methodology below.

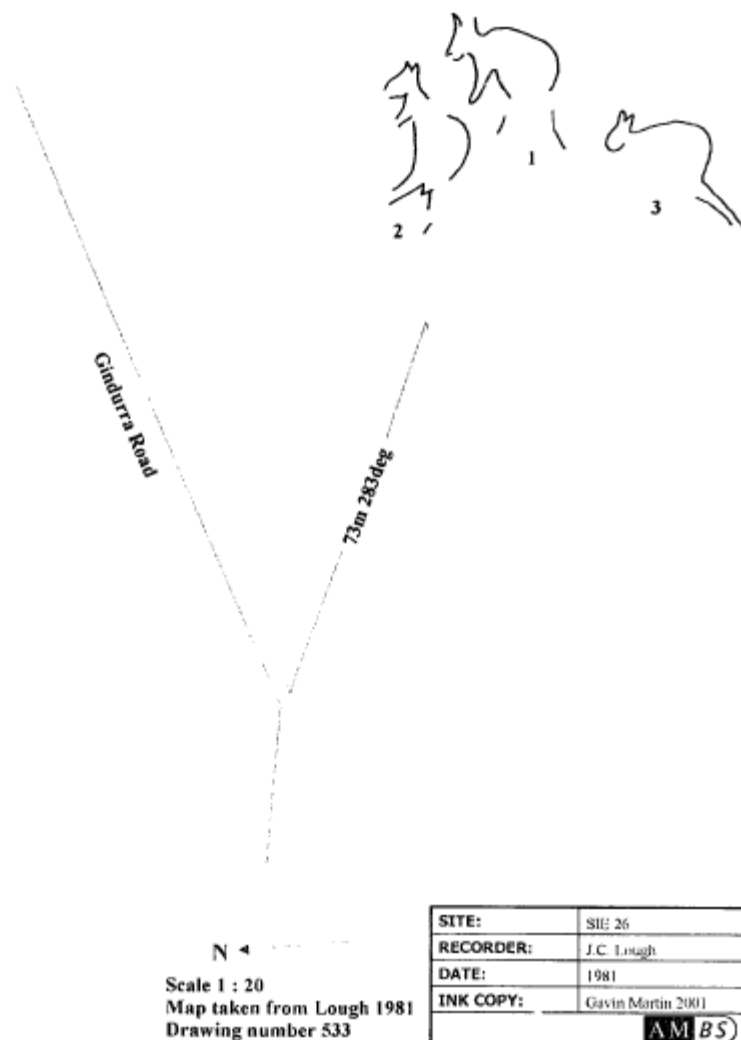


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002, vol. 2, pg. 95).

Project schedule

The proposed schedule and time allocations for the consultation stages are summarised below.

Action	Timeframe	Potential constraints and limitations
Commencement of Aboriginal community consultation – advertising of project and notification to stakeholders	Completed	Project advertised in the Central Coast Express on 27 June 2019. Notices sent to identified Aboriginal parties 20 June 2019.
Notices sent to identified Aboriginal parties	20 June 2019	N/A
Aboriginal stakeholder registration period	20 June 2019 to 11 July 2019	Registration period expired on 11 July 2019
Field investigation	2 February 2018	Dense vegetation cover, very low visibility, and high disturbance hindered the survey
Archaeological test excavations (if required)	TBC	TBC
Information gathering	Continuous	N/A
Review of draft report	TBC	28 days review time allowed under the consultation guidelines.
Final report	TBC	TBC

Responsibilities and roles

As part of the consultation process, RAPs are expected to respond to requests for cultural information and comment on draft reporting, as appropriate, in accordance with their role specified in section 5 of the consultation requirements. Biosis and the proponent, in accordance with their role under section 5 of the consultation requirements, will consult with the Aboriginal community by supplying suitable project information and providing the opportunity for Aboriginal stakeholders to provide input into the heritage management process.

Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

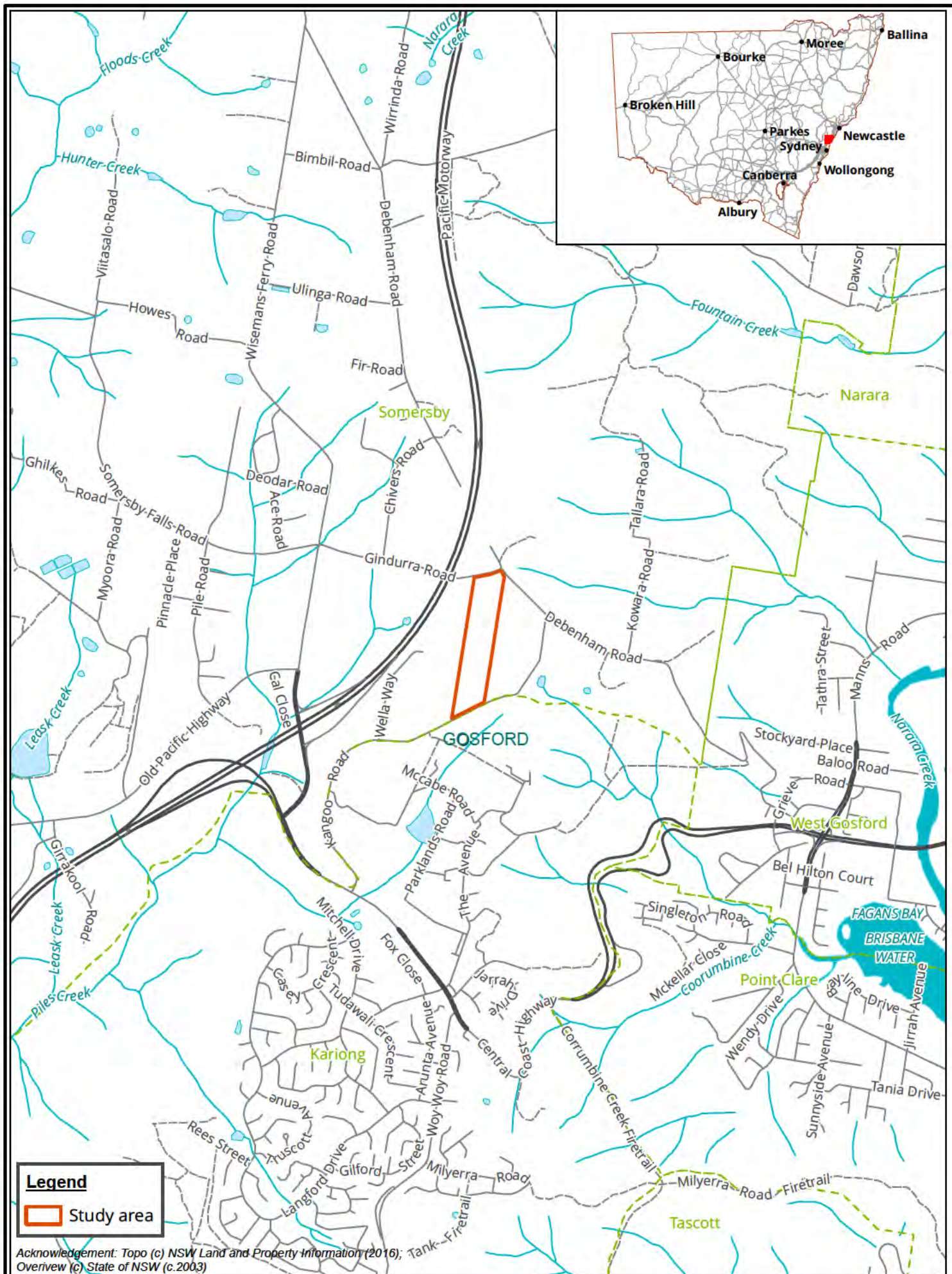


Figure 1: Location of the study area

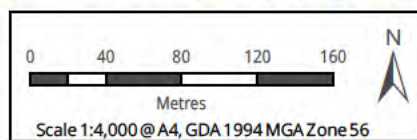


Acknowledgement: Topo 101 NSW Land and Property Information (2016).
 Overview: State of NSW (c 2003)



Biosis Pty Ltd
 Albury, Ballarat, Melbourne,
 Newcastle, Sydney, Wangaratta & Wollongong

Matter: 26452
 Date: 02 March 2018,
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Stage 3 – Gathering information about cultural significance

The aims of stage 3 of the consultation process is to facilitate a process where RAPs for the project can:

- Contribute to culturally appropriate information gathering and the research methodology.
- Provide information that will enable the cultural significance of Aboriginal objects and/or places in the proposed study area to be determined.
- Have input into the development of any cultural heritage management options (DECCW 2010a, p.12).

The purpose of the stage 3 document below is to provide RAPs with information about the proposed ACHA methodology for the project, including the survey strategy and test excavation (if required) methodology and to seek feedback on the Aboriginal cultural values present within the study area.

The assessment methodology includes the following tasks:

Background research

This task will identify known Aboriginal sites, areas of potential archaeological sensitivity and previous disturbance, and inform the predictive modelling for the assessment/study area. The following steps will be undertaken:

- A search of the AHIMS database will be completed to identify registered sites in the vicinity of the assessment/study area. The results of the AHIMS search will be used to obtain relevant site cards and relevant previously completed Aboriginal cultural heritage assessments.
- A review of relevant reports identified through the AHIMS search will be undertaken.
- A review of aerial photographs and other resources to gauge the existing landscape and previous history of land disturbance will be undertaken.
- A review of the historical heritage databases will be undertaken.
- A brief summary of the historical uses of the study area will be developed.

Consultation with the Aboriginal community

This task will provide the Aboriginal community with the opportunity to participate in decisions regarding the management of their cultural heritage by providing proponents information regarding cultural significance and opportunities to input into management options.

Aboriginal community consultation will be undertaken in accordance with the consultation requirements, which includes:

- COMPLETED. Biosis ascertained the names of Aboriginal people or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/ or places within the study area.

- COMPLETED. Aboriginal stakeholders were provided with notification by letter of the project on 20 June 2019 via Biosis on behalf of Jackson Environment and Planning Pty Ltd, and given the opportunity to be involved in consultation.
- This document outlines the details of the project and proposed archaeological testing methodology if required. The RAPs must be given an opportunity to review and provide feedback to the proponent within a minimum of 28 days of Biosis providing the methodology document.
- The DRAFT ACHA report and Archaeological Report (AR) will be provided to all RAPs for comment – the proponent must allow 28 days for comment. All comments and correspondence sent and received regarding the project will be included in the final report in an appendix.

Culturally sensitive material

Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

Cultural information provided will be recorded in the Aboriginal consultation log and discussed in the report. If the information is regarded as too sensitive to be made public then RAPs should advise Biosis and identify the nature of the sensitivity. Biosis will then arrange for the recording of the information in accordance with its sensitivity. Documents which hold sensitive information will clearly list, on the front cover, who can have access to the document. These documents will be stored securely.

Field investigation

A previous field investigation consisting of a pedestrian survey of the study area was conducted by Biosis on 2 February 2018 with representatives from Darkinjung Local Aboriginal Land Council in order to identify any previously unrecorded Aboriginal objects, sites, or areas of potential. No previously unrecorded Aboriginal sites or objects were located during the field survey (Figure 5). An attempt to relocate SIE 26 was made, however no evidence of rock engravings were identified during the field investigation.

The northern section of the study area was determined to be highly disturbed by the previous use of the study area as a sand and soil recycling centre. This would have significantly impacted soil deposits and resulted in the disturbance and destruction of potential sites.

The southern section of the study area was heavily vegetated and could not be accessed during the survey due to this vegetation. Observations of the vegetation in this area consisted of shrubs and small trees, with occasional mature scribbly gums showing evidence of burning present. Impacts to the southern section of the study area are not proposed as part of the development.

Due to the high levels of disturbance identified in the northern section and the lack of sandstone exposures and overhangs suitable for rock, engravings, shelters and grinding grooves, it was assessed that there is low potential for Aboriginal sites to be present within the study area. Test excavations were not recommended due to the high degree of disturbance in the study area.

Recording during the field investigation followed requirements 5 to 10 of the Code and industry best practice. Information recorded included:

- Aboriginal objects or sites present in the study area during the investigation.

- Survey coverage.
- Any resources that may have potentially have been exploited by Aboriginal people.
- Landforms.
- Photographs of the site indicating landform.
- Evidence of disturbance.
- Aboriginal artefacts, culturally modified trees or any other Aboriginal sites.

Where possible, Identification of natural soil deposits within the study area was undertaken. Representative photographs of survey units, landform, vegetation coverage, ground surface visibility was undertaken.

Detailed results of the field investigation will be provided in the draft ACHA report and AR.

Archaeological test excavations (if required)

As detailed above, the survey did not recommend test excavations as the study area has been highly disturbed and it is unlikely that intact archaeological deposits will remain. The following methodology will be used in the event that further assessment conducted as part of the ACHA and consultation has indicated that test excavations are required.

Aims

The principle objectives of test excavations are to identify and understand the nature, extent and significance of any areas of PAD within the study area. This will further our knowledge of Aboriginal archaeological site patterning within the study area and enable the predictive model to be further tested and refined.

The aims of the testing program are to:

- Determine the nature and extent of the sub-surface archaeological deposits in the study area.
- Identify if the archaeological material occurs in an intact, undisturbed context, by examining the soil profile and stratigraphy.
- Analyse and interpret any archaeological finds (such as stone artefacts, hearths, etc.) recovered during the testing program.
- Inform current knowledge of Aboriginal occupation and land use models of the region.
- Provide management and mitigation measures for Aboriginal archaeological objects located during the subsurface testing program.
- Test the predictive model and answer the research questions developed as part of this assessment.

Test excavation methodology

If test excavations are required within the study area they will conform to the following methodology in line with Requirement 16 of the Code:

- Test excavations will be conducted in 50 by 50 centimetre units.

- The test pits will be excavated by hand (inclusive of trowels, spades and other hand tools) along transects at intervals of between 10 and 20 metres or other justifiable and regular spacing (being no smaller than five metres).
- The first test pit within a site or PAD area will be excavated in five centimetre spits; the subsequent test pits conducted within the site or PAD area can then be excavated in either 10 centimetre spits or stratigraphic units (whichever is smaller) to the base of Aboriginal object-bearing units being the removal of the A-horizon soil deposit down to the sterile clay or bedrock layer (B-horizon).
- If the depth of deposit prevents reaching sterile deposits within the 50 by 50 centimetre test pit, additional 50 by 50 centimetre test pits may be excavated adjacent to the original test pit (for example expanding the test pit to 50 by 100 centimetres) to reach the sterile deposits.
- Test pits may be combined and excavated as necessary in 50 by 50 centimetre units for the purposes of further understanding site characteristics. Note that under the Code, the maximum area that can be excavated in any one continuous area is three metres squared (3 m²).
- The Code dictates that the maximum surface area of all test excavation units must be no greater than 0.5% of the PAD or area being investigated.
- All excavated soil will be sieved in 5 millimetre sieves. Dry sieving will be attempted in the first instance, however wet sieving may be used if deposits cannot be dry sieved.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis (at Suite 8, 27 Annie Street, Wickham NSW 2293).
- For each test pit that is excavated, the following documentation will be taken:
 - Unique test pit identification number.
 - GPS coordinate of each test pit.
 - Munsell soil colour and texture.
 - Amount and location of cultural material within the deposit.
 - Nature of disturbance where present.
 - Stratigraphy.
 - Archaeological features (if present).
 - Photographic records.
 - Spit records.
- Test excavation units will be backfilled as soon as practicable.
- An AHIMS Site Impact Recording form will be completed and submitted to the AHIMS Registrar for any sites impacted during test excavations.
- In the event that suspected human remains are identified works will immediately cease and the NSW Police and OEHL will be notified.
- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present with regard to their nature and significance.

**Enough information is defined by OEH as meaning “the sample of excavated material clearly and self-evidently demonstrates the deposit’s nature and significance. This may include things like locally or regionally high object density: presence of rare or representative objects: presence of archaeological features: or locally or regionally significant deposits stratified or not.”(DECCW 2010b, p.28).*

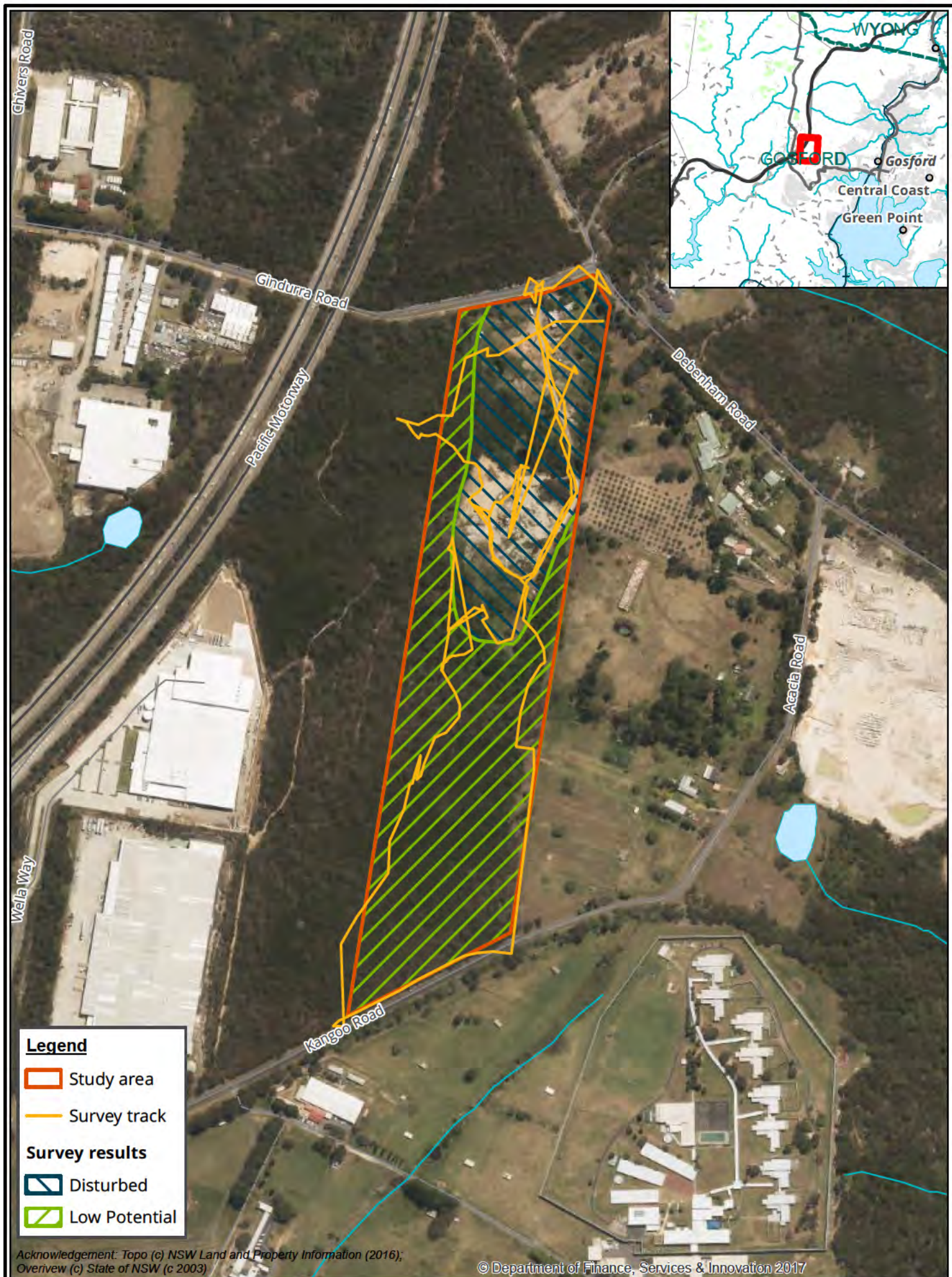
Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis Newcastle office for analysis (Suite 8, 27 Annie Street, Wickham NSW 2293).

Once the cultural material has been analysed, the cultural material can be managed in the following manners:

- Cultural material can be held by the Aboriginal community under a care and control agreement.
- Cultural material can be returned to country and reburied as soon as practicable in a secure location in accordance with Requirements 16b and 26 of the Code.

Biosis requests any comments regarding the care and control of any cultural material be included as part of the review of this assessment methodology.



Reporting

Biosis will prepare an ACHA and AR for the project. The ACHA will document the findings of the assessment, and detail the consultation process. The AR will be included as an appendix to the ACHA and will document the desktop assessment, field investigation, and if required, test excavation results.

The main aim of the report is to document the assessment of potential development related impacts to Aboriginal cultural heritage and to formulate strategies to manage these impacts. Reporting will follow the guidelines of OEH, in particular the consultation requirements, the Code, and the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011).

The ACHA report will contain:

- Details of the Aboriginal consultation process undertaken as part of the assessment.
- A review and summary of the environmental context of the study area.
- A review and summary of the Aboriginal archaeological context of the study area.
- Archaeological test excavation results (if required).
- Aboriginal site significance assessment.
- Impact assessment.
- Management strategies.
- Maps detailing any Aboriginal sites identified during the assessment process.

The RAPs will be provided with the draft ACHA report and AR, and their comments on the report content sought. Comments on the report's content are to be provided to Biosis by the party's respective nominated spokesperson(s). All comments not provided in writing will be recorded in an informal logbook by Biosis. These comments and responses to these comments will be documented in the final ACHA.

As part of this methodology registered Aboriginal parties will be provided with the draft report for comment and allowed **28 days** for review.

The final report will incorporate all comments and will be forwarded on to RAPs once completed.

References

Australian Museum Business Services 2002, Somersby Industrial Park: Aboriginal Heritage Study for Plan of Management. Report to Gosford City Council and Somersby Industrial Park Taskforce in Three Volumes.

Biosis Pty Ltd 2008, Kangoo Road and Langford Drive, Kariong: Archaeological Assessment. Report for Arup Sustainability.

du Cros, H & Rich, E 1986, Proposed Industrial Development of Crown Land, DP 42612 at Mount Penang, Near Gosford: Archaeological Survey for Aboriginal Sites. For the Department of Lands of Crown Land, NSW.

Dallas, M 1981, An Archaeological Survey at Kariong, NSW. Report for Douglas Sanger Pty Ltd.

DECCW 2010a, Aboriginal Cultural Heritage Consultation Requirements for Proponents, Department of Environment and Climate Change, Sydney NSW.

DECCW 2010b, Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Department of Environment and Climate Change, Sydney NSW.

J. C. Lough & Associates 1981, Archaeological Survey: Somersby Industrial Estate. Report for the N.S.W. Department of Environment and Planning.

Keotigg, M & McDonald, J 1983, Report on a Survey for Archaeological Sites in the Mt Penang Area - Somersby, Report for Lester Firth Associates Pty. Ltd.

McDonald, J 1997, Survey for Aboriginal Archaeological Sites: at the Mount Penang Juvenile Justice Centre, Kariong, NSW. For the Department of Public Works and Services.

OEH 2011, Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW, Office of Environment and Heritage.



25 July 2019

[Redacted]

Dear [Redacted]

RE: Stage 2 and 3 Aboriginal Community Consultation - Kariong Sand and Soils Supplies, 90 Gindurra Road, Somersby
Our Ref: Matter 30096

Thank you for registering your interest in the Kariong Sand and Soils Supplies Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD) at 90 Gindurra Road, Somersby, New South Wales (NSW) (the study area). The SSD will be assessed under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

The purpose of the ACHA is to determine the impacts the proposed development will have on any Aboriginal heritage values present within the study area.

The following project information and assessment methodology has been provided in accordance with section 4.2 and section 4.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The aim of this letter is to provide you with information about the project, and the proposed ACHA process and to seek your feedback to inform the ACHA.

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Please address feedback to:

[Redacted]
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8/27 Annie Street
Wickham NSW 2293
[Redacted]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Yours sincerely

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Stage 2 – Project information

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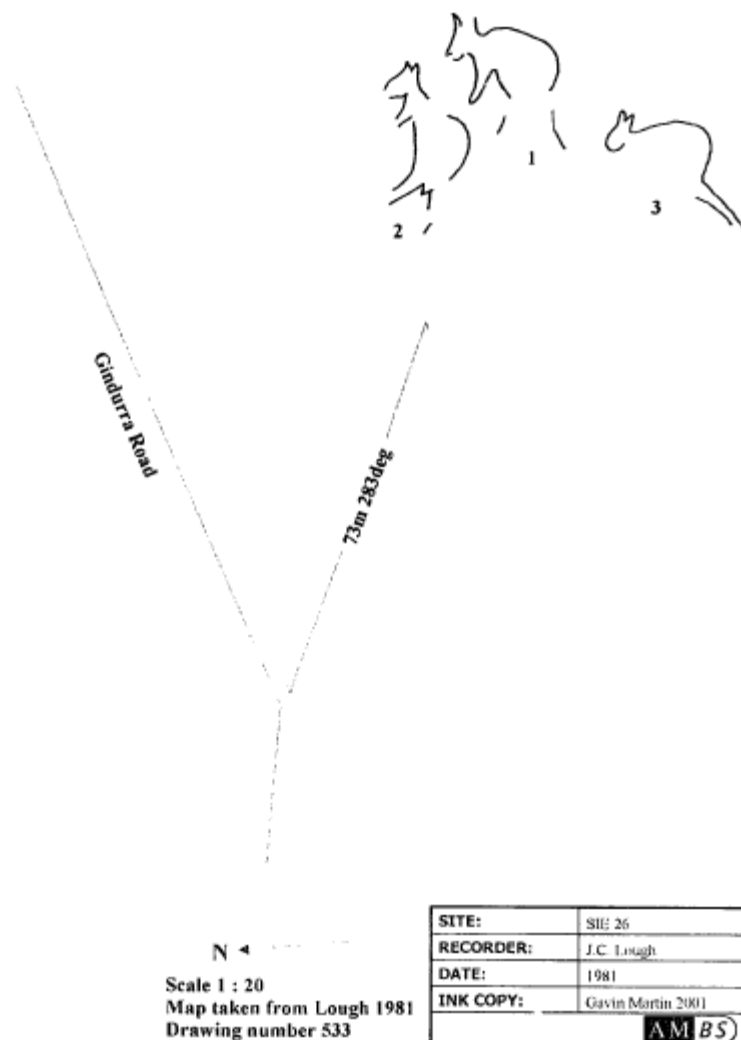


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002, vol. 2, pg. 95).

Project schedule

The proposed schedule and time allocations for the consultation stages are summarised below.

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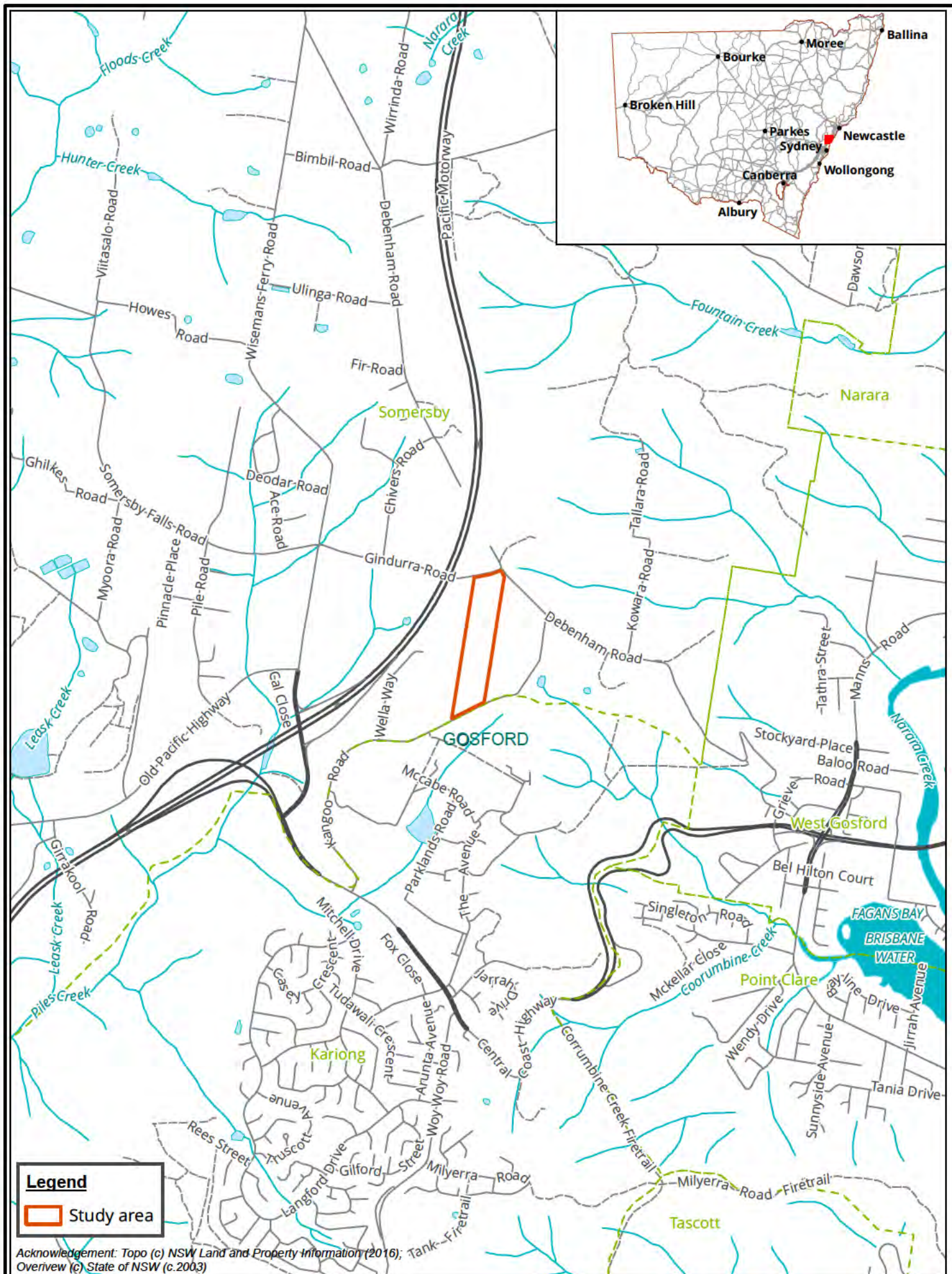


Figure 1: Location of the study area

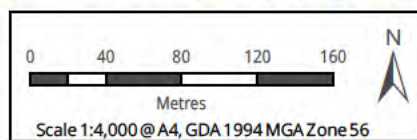


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Stage 3 – Gathering information about cultural significance

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- Evidence of disturbance.
- Aboriginal artefacts, culturally modified trees or any other Aboriginal sites.

Where possible, Identification of natural soil deposits within the study area was undertaken. Representative photographs of survey units, landform, vegetation coverage, ground surface visibility was undertaken.

Detailed results of the field investigation will be provided in the draft ACHA report and AR.

Archaeological test excavations (if required)

As detailed above, the survey did not recommend test excavations as the study area has been highly disturbed and it is unlikely that intact archaeological deposits will remain. The following methodology will be used in the event that further assessment conducted as part of the ACHA and consultation has indicated that test excavations are required.

Aims

The principle objectives of test excavations are to identify and understand the nature, extent and significance of any areas of PAD within the study area. This will further our knowledge of Aboriginal archaeological site patterning within the study area and enable the predictive model to be further tested and refined.

The aims of the testing program are to:

- Determine the nature and extent of the sub-surface archaeological deposits in the study area.
- Identify if the archaeological material occurs in an intact, undisturbed context, by examining the soil profile and stratigraphy.
- Analyse and interpret any archaeological finds (such as stone artefacts, hearths, etc.) recovered during the testing program.
- Inform current knowledge of Aboriginal occupation and land use models of the region.
- Provide management and mitigation measures for Aboriginal archaeological objects located during the subsurface testing program.
- Test the predictive model and answer the research questions developed as part of this assessment.

Test excavation methodology

If test excavations are required within the study area they will conform to the following methodology in line with Requirement 16 of the Code:

- Test excavations will be conducted in 50 by 50 centimetre units.

- The test pits will be excavated by hand (inclusive of trowels, spades and other hand tools) along transects at intervals of between 10 and 20 metres or other justifiable and regular spacing (being no smaller than five metres).
- The first test pit within a site or PAD area will be excavated in five centimetre spits; the subsequent test pits conducted within the site or PAD area can then be excavated in either 10 centimetre spits or stratigraphic units (whichever is smaller) to the base of Aboriginal object-bearing units being the removal of the A-horizon soil deposit down to the sterile clay or bedrock layer (B-horizon).
- If the depth of deposit prevents reaching sterile deposits within the 50 by 50 centimetre test pit, additional 50 by 50 centimetre test pits may be excavated adjacent to the original test pit (for example expanding the test pit to 50 by 100 centimetres) to reach the sterile deposits.
- Test pits may be combined and excavated as necessary in 50 by 50 centimetre units for the purposes of further understanding site characteristics. Note that under the Code, the maximum area that can be excavated in any one continuous area is three metres squared (3 m²).
- The Code dictates that the maximum surface area of all test excavation units must be no greater than 0.5% of the PAD or area being investigated.
- All excavated soil will be sieved in 5 millimetre sieves. Dry sieving will be attempted in the first instance, however wet sieving may be used if deposits cannot be dry sieved.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis (at Suite 8, 27 Annie Street, Wickham NSW 2293).
- For each test pit that is excavated, the following documentation will be taken:
 - Unique test pit identification number.
 - GPS coordinate of each test pit.
 - Munsell soil colour and texture.
 - Amount and location of cultural material within the deposit.
 - Nature of disturbance where present.
 - Stratigraphy.
 - Archaeological features (if present).
 - Photographic records.
 - Spit records.
- Test excavation units will be backfilled as soon as practicable.
- An AHIMS Site Impact Recording form will be completed and submitted to the AHIMS Registrar for any sites impacted during test excavations.
- In the event that suspected human remains are identified works will immediately cease and the NSW Police and OEHL will be notified.
- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present with regard to their nature and significance.

**Enough information is defined by OEH as meaning “the sample of excavated material clearly and self-evidently demonstrates the deposit’s nature and significance. This may include things like locally or regionally high object density: presence of rare or representative objects: presence of archaeological features: or locally or regionally significant deposits stratified or not.”(DECCW 2010b, p.28).*

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis Newcastle office for analysis (Suite 8, 27 Annie Street, Wickham NSW 2293).

Once the cultural material has been analysed, the cultural material can be managed in the following manners:

- Cultural material can be held by the Aboriginal community under a care and control agreement.
- Cultural material can be returned to country and reburied as soon as practicable in a secure location in accordance with Requirements 16b and 26 of the Code.

Biosis requests any comments regarding the care and control of any cultural material be included as part of the review of this assessment methodology.

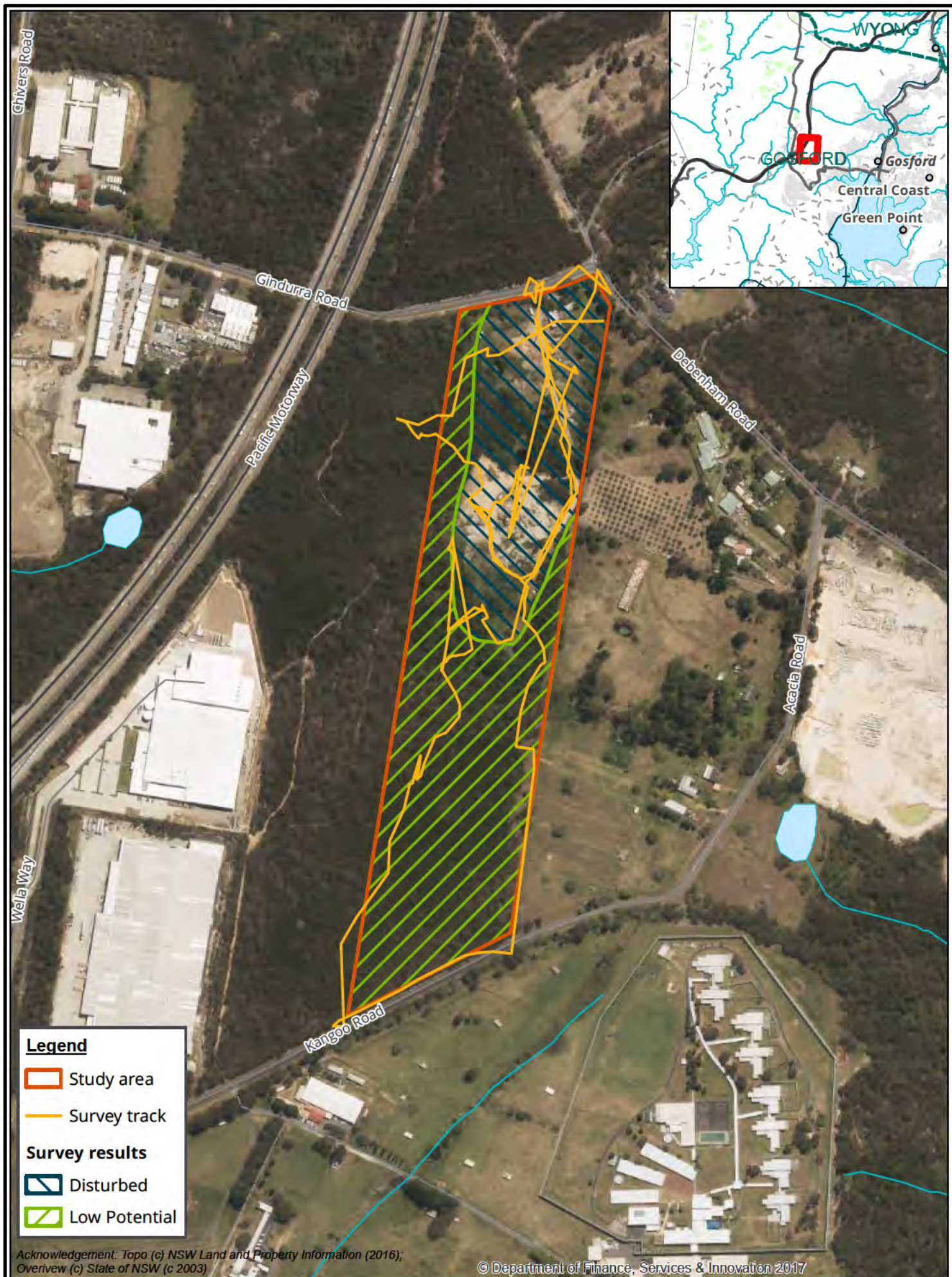


Figure 5 February 2018 survey results

Reporting

Biosis will prepare an ACHA and AR for the project. The ACHA will document the findings of the assessment, and detail the consultation process. The AR will be included as an appendix to the ACHA and will document the desktop assessment, field investigation, and if required, test excavation results.

The main aim of the report is to document the assessment of potential development related impacts to Aboriginal cultural heritage and to formulate strategies to manage these impacts. Reporting will follow the guidelines of OEH, in particular the consultation requirements, the Code, and the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011).

The ACHA report will contain:

- Details of the Aboriginal consultation process undertaken as part of the assessment.
- A review and summary of the environmental context of the study area.
- A review and summary of the Aboriginal archaeological context of the study area.
- Archaeological test excavation results (if required).
- Aboriginal site significance assessment.
- Impact assessment.
- Management strategies.
- Maps detailing any Aboriginal sites identified during the assessment process.

The RAPs will be provided with the draft ACHA report and AR, and their comments on the report content sought. Comments on the report's content are to be provided to Biosis by the party's respective nominated spokesperson(s). All comments not provided in writing will be recorded in an informal logbook by Biosis. These comments and responses to these comments will be documented in the final ACHA.

As part of this methodology registered Aboriginal parties will be provided with the draft report for comment and allowed **28 days** for review.

The final report will incorporate all comments and will be forwarded on to RAPs once completed.

References

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Dallas, M 1981, An Archaeological Survey at Kariong, NSW. Report for Douglas Sanger Pty Ltd.

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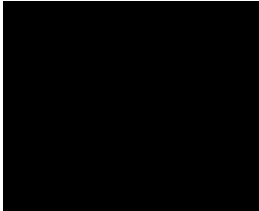
Keotigg, M & McDonald, J 1983, Report on a Survey for Archaeological Sites in the Mt Penang Area - Somersby, Report for Lester Firth Associates Pty. Ltd.

McDonald, J 1997, Survey for Aboriginal Archaeological Sites: at the Mount Penang Juvenile Justice Centre, Kariong, NSW. For the Department of Public Works and Services.

OEH 2011, Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW, Office of Environment and Heritage.



25 July 2019



RE: Stage 2 and 3 Aboriginal Community Consultation – Kariong Sand and Soils Supplies, 90 Gindurra Road, Somersby
Our Ref: Matter 30096

Thank you for registering your interest in the Kariong Sand and Soils Supplies Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD) at 90 Gindurra Road, Somersby, New South Wales (NSW) (the study area). The SSD will be assessed under Section 89(c) of the *Environmental Planning and Assessment Act 1979 NSW* and Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 (SSD 8660). The project will be assessed by the Planning Assessment Commission (PAC) under delegation from the Minister of Planning.

The purpose of the ACHA is to determine the impacts the proposed development will have on any Aboriginal heritage values present within the study area.

The following project information and assessment methodology has been provided in accordance with section 4.2 and section 4.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The aim of this letter is to provide you with information about the project, and the proposed ACHA process and to seek your feedback to inform the ACHA.

It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by **5PM 22 August 2019** either by email, phone or return mail.

Please address feedback to:

[Redacted]
Biosis Pty Ltd
8/27 Annie Street
Wickham NSW 2293
[Redacted]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Yours sincerely

Biosis Pty Ltd
Newcastle Resource Group

Suite 8, 27 Annie Street
Wickham NSW 2293

Phone: 02 4911 4040

ACN 006 175 097
ABN 65 006 175 097

Email: newcastle@biosis.com.au

biosis.com.au



Stage 2 – Project information

The aim of the stage 2 document is to provide registered Aboriginal parties (RAPs) with information about the scope of the project, and the proposed cultural heritage assessment process, and to seek their feedback on the project.

The project

Biosis has been engaged by Jackson Environment and Planning Pty Ltd on behalf of Mr Eric Davis to undertake the ACHA to inform the development of an extension of the Kariong Sand and Soils Supplies site and to support a State Significant Development (SSD). The proposed development consist of the construction and operation of a resource recovery facility to process up to 200,000 tonnes per annum of soil, sand and building materials. The complete development would require the following:

- Installation of security fencing.
- Construction of a hardstand area for processing material.
- Construction of storage bays for processed material.
- Construction of on-site roads suitable for large vehicles.
- Construction of a truck parking area.
- Construction of an office and maintenance workshop.
- Construction of stormwater run-off and drainage/treatment infrastructure.

Study area

The study area encompasses 90 Gindurra Road, Somersby NSW (Lot 4 DP 227279). It is within the Central Coast Local Government Area (LGA), Parish of Gosford, County of Northumberland, and is approximately 8 kilometers east of the Gosford Central Business District (Figure 1). The study area encompasses approximately 10.8 hectares of private land and the adjacent road reserves (Figure 2).

Background

Biosis conducted an Aboriginal Due Diligence Assessment (ADDA) for the study area in 2018. Searches of the Aboriginal Heritage Information Management System (AHIMS) database conducted in 2018 and May 2019 identified 36 Aboriginal archaeological sites within a 5 x 5 kilometre search area, centred on the study area (Client Service ID: 313504, and 423782). The search identified that there are no sites located within the study area (Figure 3).

AMBS (2002) completed a plan of management for the Somersby Industrial Park for the NSW Department of Environment and Planning. The management plan completed by AMBS (2002) lists Aboriginal site SIE 26 as being located approximately 50 metres to the west of the study area. This site is not recorded on the AHIMS database. SIE 26 consists of an engraving site of three macropods about 450 millimetres long located

on a small rock surface (J. C. Lough & Associates 1981). However, during the field investigation, AMBS was not able to locate the site. The report speculates that the site may be closer to the road and inferred that the site was likely to be covered with soil, vegetation, and dumped rubbish (Australian Museum Business Services 2002, vol. 2, pg. 92). The AMBS report references drawings from the Lough & Associates report, however these were unable to be located within the Lough & Associates report. In particular, AMBS has included a site plan of SIE 26 (Plate 1), which indicates that the engravings are located to the south east of Gindurra Road.

A field investigation of the study area was undertaken as part of the ADDA. No Aboriginal sites or objects were identified within the proposed impact area. No areas of exposed sandstone suitable for rock engravings were identified. An attempt to relocate site SEI 26 was made however, it could not be relocated. Further detail regarding the site inspection can be found in the project methodology below.

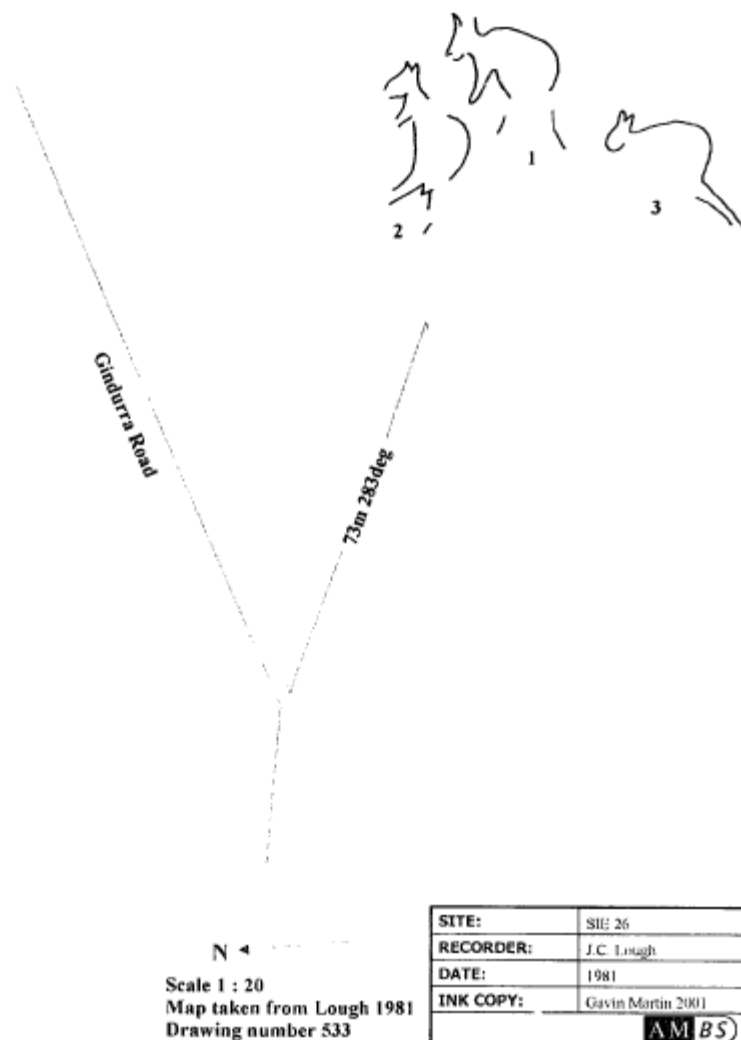


Figure 2-24. SIE 26 Site Plan

Plate 1 SIE 26 site plan (Australian Museum Business Services 2002, vol. 2, pg. 95).

Project schedule

The proposed schedule and time allocations for the consultation stages are summarised below.

Action	Timeframe	Potential constraints and limitations
Commencement of Aboriginal community consultation – advertising of project and notification to stakeholders	Completed	Project advertised in the Central Coast Express on 27 June 2019. Notices sent to identified Aboriginal parties 20 June 2019.
Notices sent to identified Aboriginal parties	20 June 2019	N/A
Aboriginal stakeholder registration period	20 June 2019 to 11 July 2019	Registration period expired on 11 July 2019
Field investigation	2 February 2018	Dense vegetation cover, very low visibility, and high disturbance hindered the survey
Archaeological test excavations (if required)	TBC	TBC
Information gathering	Continuous	N/A
Review of draft report	TBC	28 days review time allowed under the consultation guidelines.
Final report	TBC	TBC

Responsibilities and roles

As part of the consultation process, RAPs are expected to respond to requests for cultural information and comment on draft reporting, as appropriate, in accordance with their role specified in section 5 of the consultation requirements. Biosis and the proponent, in accordance with their role under section 5 of the consultation requirements, will consult with the Aboriginal community by supplying suitable project information and providing the opportunity for Aboriginal stakeholders to provide input into the heritage management process.

Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

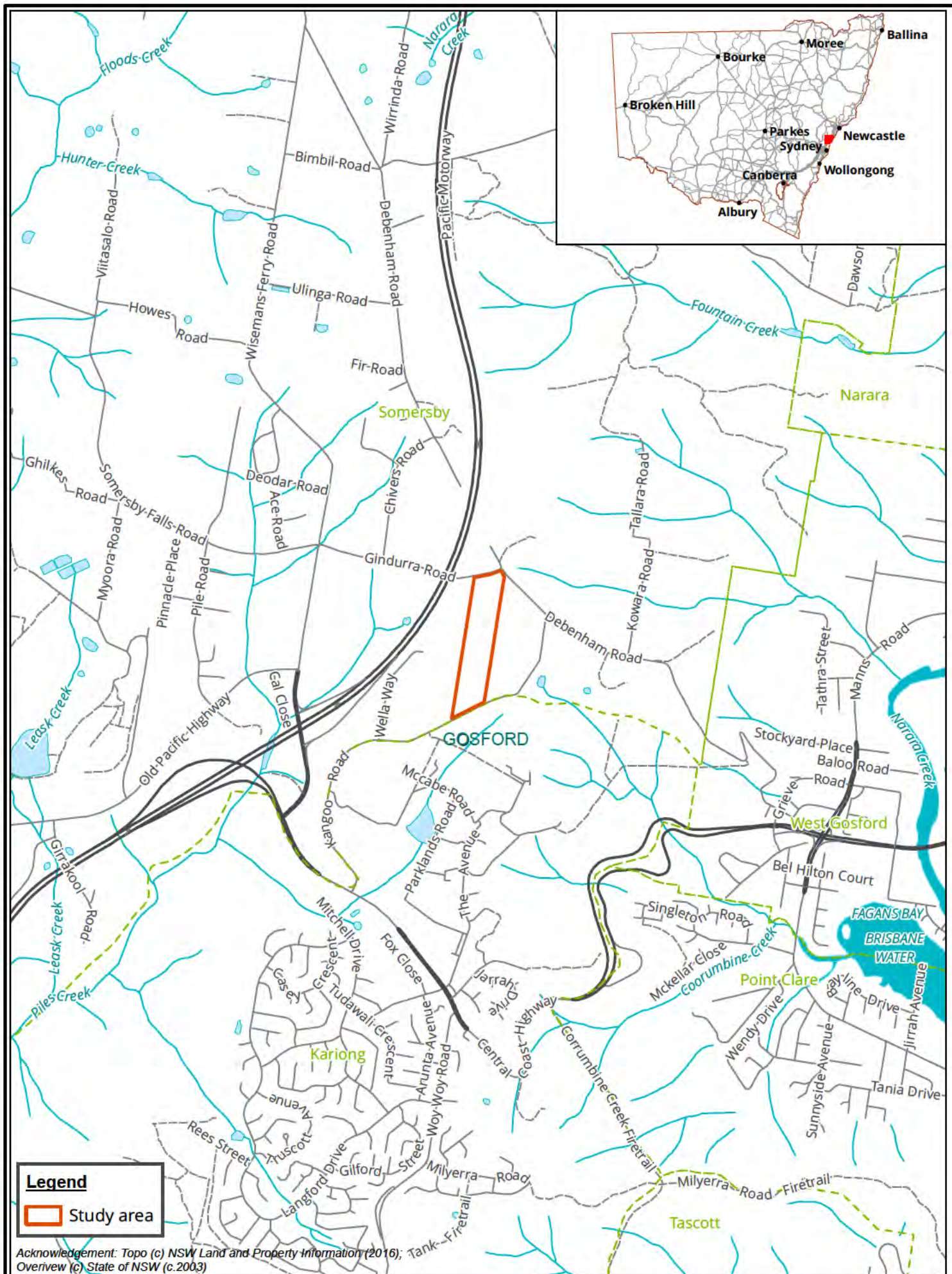


Figure 1: Location of the study area

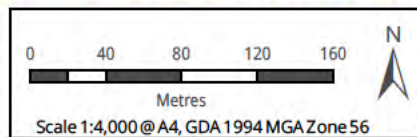


Figure 2: Study area detail



Biosis Pty Ltd
Albury, Ballarat, Melbourne,
Newcastle, Sydney, Wangaratta & Wollongong

Matter: 26452
Date: 02 March 2018,
Checked by: CLA, Drawn by: LW, Last edited by: lwilson
Location: \\bio-data-01\matters\26400s\26452\mapping\



Stage 3 – Gathering information about cultural significance

The aims of stage 3 of the consultation process is to facilitate a process where RAPs for the project can:

- Contribute to culturally appropriate information gathering and the research methodology.
- Provide information that will enable the cultural significance of Aboriginal objects and/or places in the proposed study area to be determined.
- Have input into the development of any cultural heritage management options (DECCW 2010a, p.12).

The purpose of the stage 3 document below is to provide RAPs with information about the proposed ACHA methodology for the project, including the survey strategy and test excavation (if required) methodology and to seek feedback on the Aboriginal cultural values present within the study area.

The assessment methodology includes the following tasks:

Background research

This task will identify known Aboriginal sites, areas of potential archaeological sensitivity and previous disturbance, and inform the predictive modelling for the assessment/study area. The following steps will be undertaken:

- A search of the AHIMS database will be completed to identify registered sites in the vicinity of the assessment/study area. The results of the AHIMS search will be used to obtain relevant site cards and relevant previously completed Aboriginal cultural heritage assessments.
- A review of relevant reports identified through the AHIMS search will be undertaken.
- A review of aerial photographs and other resources to gauge the existing landscape and previous history of land disturbance will be undertaken.
- A review of the historical heritage databases will be undertaken.
- A brief summary of the historical uses of the study area will be developed.

Consultation with the Aboriginal community

This task will provide the Aboriginal community with the opportunity to participate in decisions regarding the management of their cultural heritage by providing proponents information regarding cultural significance and opportunities to input into management options.

Aboriginal community consultation will be undertaken in accordance with the consultation requirements, which includes:

- COMPLETED. Biosis ascertained the names of Aboriginal people or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/ or places within the study area.

- COMPLETED. Aboriginal stakeholders were provided with notification by letter of the project on 20 June 2019 via Biosis on behalf of Jackson Environment and Planning Pty Ltd, and given the opportunity to be involved in consultation.
- This document outlines the details of the project and proposed archaeological testing methodology if required. The RAPs must be given an opportunity to review and provide feedback to the proponent within a minimum of 28 days of Biosis providing the methodology document.
- The DRAFT ACHA report and Archaeological Report (AR) will be provided to all RAPs for comment – the proponent must allow 28 days for comment. All comments and correspondence sent and received regarding the project will be included in the final report in an appendix.

Culturally sensitive material

Biosis invites RAPs to provide culturally appropriate information via mail, email or phone with regards to this project.

Cultural information provided will be recorded in the Aboriginal consultation log and discussed in the report. If the information is regarded as too sensitive to be made public then RAPs should advise Biosis and identify the nature of the sensitivity. Biosis will then arrange for the recording of the information in accordance with its sensitivity. Documents which hold sensitive information will clearly list, on the front cover, who can have access to the document. These documents will be stored securely.

Field investigation

A previous field investigation consisting of a pedestrian survey of the study area was conducted by Biosis on 2 February 2018 with representatives from Darkinjung Local Aboriginal Land Council in order to identify any previously unrecorded Aboriginal objects, sites, or areas of potential. No previously unrecorded Aboriginal sites or objects were located during the field survey (Figure 5). An attempt to relocate SIE 26 was made, however no evidence of rock engravings were identified during the field investigation.

The northern section of the study area was determined to be highly disturbed by the previous use of the study area as a sand and soil recycling centre. This would have significantly impacted soil deposits and resulted in the disturbance and destruction of potential sites.

The southern section of the study area was heavily vegetated and could not be accessed during the survey due to this vegetation. Observations of the vegetation in this area consisted of shrubs and small trees, with occasional mature scribbly gums showing evidence of burning present. Impacts to the southern section of the study area are not proposed as part of the development.

Due to the high levels of disturbance identified in the northern section and the lack of sandstone exposures and overhangs suitable for rock, engravings, shelters and grinding grooves, it was assessed that there is low potential for Aboriginal sites to be present within the study area. Test excavations were not recommended due to the high degree of disturbance in the study area.

Recording during the field investigation followed requirements 5 to 10 of the Code and industry best practice. Information recorded included:

- Aboriginal objects or sites present in the study area during the investigation.

- Survey coverage.
- Any resources that may have potentially have been exploited by Aboriginal people.
- Landforms.
- Photographs of the site indicating landform.
- Evidence of disturbance.
- Aboriginal artefacts, culturally modified trees or any other Aboriginal sites.

Where possible, Identification of natural soil deposits within the study area was undertaken. Representative photographs of survey units, landform, vegetation coverage, ground surface visibility was undertaken.

Detailed results of the field investigation will be provided in the draft ACHA report and AR.

Archaeological test excavations (if required)

As detailed above, the survey did not recommend test excavations as the study area has been highly disturbed and it is unlikely that intact archaeological deposits will remain. The following methodology will be used in the event that further assessment conducted as part of the ACHA and consultation has indicated that test excavations are required.

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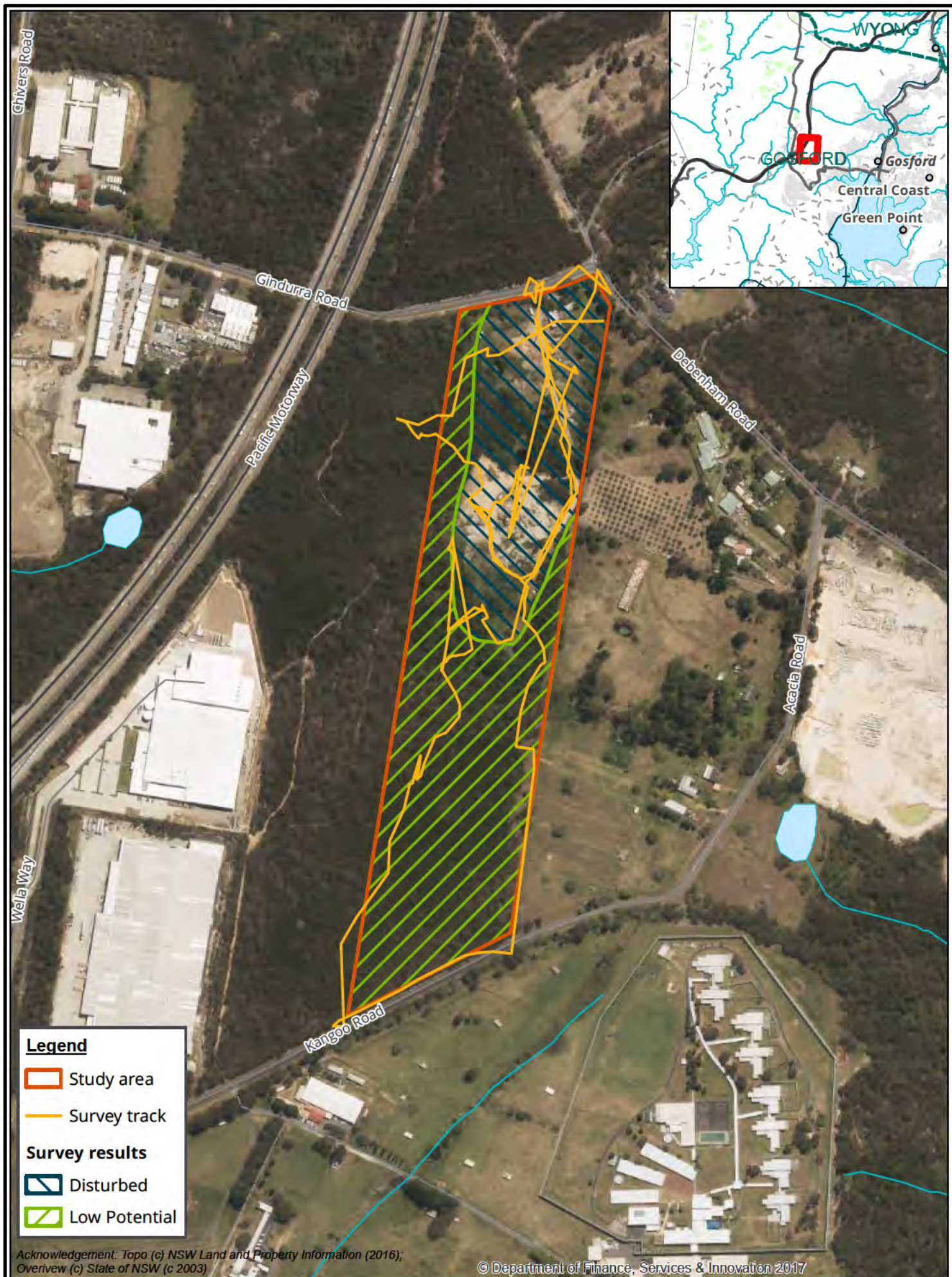
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[REDACTED]

From: Mail Delivery System <MAILER-DAEMON@biosis.com.au>
To: [REDACTED]
Sent: Thursday, 25 July 2019 2:56 PM
Subject: Relayed: 30096 Kariong Sand and Soils Supply Stage 2 and 3

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

[REDACTED]



Relayed: 30096 Kariong Sand and Soils Supply Stage 2 and 3
[REDACTED]

Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3

[REDACTED]

From: postmaster@outlook.com
To: [REDACTED]
Sent: Thursday, 25 July 2019 2:56 PM
Subject: Delivered: 30096 Kariong Sand and Soils Supply Stage 2 and 3

Your message has been delivered to the following recipients:

[REDACTED]



300096 Kariong
Sand and Soils Supply Stage 2 and 3

Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3

[REDACTED]

From: postmaster@dlalc.org.au
To: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
Subject: Delivered: 30096 Kariong Sand and Soils Supply Stage 2 and 3

Your message has been delivered to the following recipients:

[REDACTED]



300096 Kariong
Sand and Soils Supply Stage 2 and 3

Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3

[REDACTED]

From: Internet Mail Delivery <postmaster@ms35531.mac.com>
To: [REDACTED]
Subject: Thursday, 25 July 2019 2:55 PM
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Your message has been delivered to the following recipients:

[REDACTED]



300096 Kariong
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[REDACTED]

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[REDACTED]

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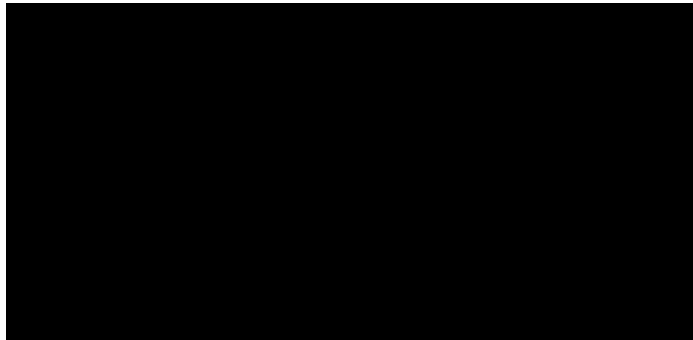
[REDACTED]



300096 Kariong
Sand and Soils Supply Stage 2 and 3

Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3

From: [REDACTED]
To: [REDACTED]
Subject: Re: 30096 Kariong Sand and Soils Supply Stage 2 and 3
Date: Sunday, 11 August 2019 12:34:46 PM
Attachments: [imagea174b2.PNG](#)



Hi

A1 supports the project Methodology, A1 would like to be involved in the future works.
Thank you

[REDACTED]

From: [REDACTED]
Sent: Thursday, 25 July 2019 2:55 PM
To: [REDACTED]
Subject: 30096 Kariong Sand and Soils Supply Stage 2 and 3

Good afternoon,

Following on from your registration in the Kariong Sand and Soils Supply Aboriginal Cultural Heritage Assessment (ACHA) please find attached the project information and methodology. The purpose of the methodology document is to provide you with further information on the background of this assessment, as well as the methodology for how it will be conducted.

Please note that comments on the project methodology pack should be received before **5pm**

Thursday 22 August 2019.

Please address methodology feedback to:

[REDACTED]

Biosis Pty Ltd

Suite 8, 27 Annie Street

Wickham NSW 2293

[REDACTED]

Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.

Kind regards,

[REDACTED]

M: [REDACTED]
D: [REDACTED]
E: [REDACTED]

Biosis Logo



Leaders in Ecology and Heritage Consulting

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Appendix 4 Stage 4: Review of draft cultural heritage assessment report

From: [REDACTED]
To: [REDACTED]
Date: Thursday, 3 October 2019 2:00:37 PM
Attachments: [image0a640d.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

It would be appreciated if you would provide feedback on the draft report presented below to Biosis by **5 pm 31 October 2019** either by email, phone or return mail.

Please address feedback on the methodology to:

[REDACTED]
Archaeologist
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ET0IYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

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From: [REDACTED]
To: [REDACTED]
Date: 30096 - Stage 4 review - Kariong
Thursday, 3 October 2019 2:00:23 PM
Attachments: [image94606e.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

It would be appreciated if you would provide feedback on the draft report presented below to Biosis by **5 pm 31 October 2019** either by email, phone or return mail.

Please address feedback on the methodology to:

[REDACTED]
Archaeologist
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ET0IYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

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From: [REDACTED]
To: [REDACTED]
Date: 30096 - Stage 4 Review - Kariiong
Thursday, 3 October 2019 2:00:05 PM
Attachments: [image459abf.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariiong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

It would be appreciated if you would provide feedback on the draft report presented below to Biosis by **5 pm 31 October 2019** either by email, phone or return mail.

Please address feedback on the methodology to:

[REDACTED]
Archaeologist
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ET0IYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

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From: [REDACTED]
To: [REDACTED]
Subject: 30096 - Stage 4 Review - Kariong
Date: Thursday, 3 October 2019 1:58:44 PM
Attachments: [imageed04b5.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

It would be appreciated if you would provide feedback on the draft report presented below to Biosis by **5 pm 31 October 2019** either by email, phone or return mail.

Please address feedback on the methodology to:

[REDACTED]
Archaeologist
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ETOIYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

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From: [REDACTED]
To: [REDACTED]
Subject: 30096 - Stage 4 Review - Kariong
Date: Thursday, 3 October 2019 1:58:14 PM
Attachments: [image28fa13.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

It would be appreciated if you would provide feedback on the draft report presented below to Biosis by **5 pm 31 October 2019** either by email, phone or return mail.

Please address feedback on the methodology to:

[REDACTED]
Archaeologist
8/27 Annie Street
Wickham NSW 2293
[REDACTED]
[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ET0IYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

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From: [REDACTED]
To: [REDACTED]
Subject: 30096 - Stage 4 Review - Kariong
Date: Thursday, 3 October 2019 2:01:20 PM
Attachments: [imagef72692.PNG](#)

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

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[REDACTED]

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<https://spaces.hightail.com/receive/ET0IYWWYgm>

Kind regards,

[REDACTED]
Research Assistant - Heritage

M: [REDACTED]

D: [REDACTED]

E: [REDACTED]

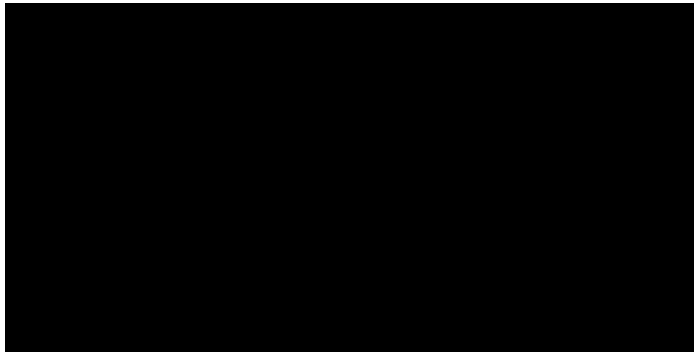
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From: [REDACTED]
To: [REDACTED]
Subject: Re: 30096 - Stage 4 review - Kariong
Date: Sunday, 13 October 2019 4:34:02 PM
Attachments: [image94606e.PNG](#)



Hi [REDACTED],

I support the methodology for the Kariong Sand and Soils project.

I have been one of the few that remain interested in this project having responded to all the emails from biosis regarding this project, this is evident from the ACHA, So I hope that you can include A1 in any future survey works for this project.

Thank you

[REDACTED]

From: [REDACTED]
Sent: Thursday, 3 October 2019 2:00 PM
To: [REDACTED]
Subject: 30096 - Stage 4 review - Kariong

Dear sir/madam,

Please find below a link to the draft Kariong Sand and Soils Supplies Aboriginal Cultural Heritage Assessment and Archaeological Report for your review in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (consultation requirements) (DECCW 2010a). The aim of this document is to provide Registered Aboriginal Parties (RAPs) with the opportunity to provide comment on the cultural significance of the study area.

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[REDACTED]

Please do not hesitate to contact me if you require additional information or have trouble accessing the files via the link below.

<https://spaces.hightail.com/receive/ETOIYWWYgm>

Kind regards,

[REDACTED]

Research Assistant - Heritage

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D: [REDACTED]

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Appendix 5 Archaeological report
