155-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW Aboriginal Cultural Heritage Assessment

Prepared for Colliers International Engineering & Design (NSW) Pty Ltd

FINAL REPORT

8 March 2024

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- Otto Reichelt (assistance in the field).
- Grace O'Loghlin and Jen Townsend (mapping).

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Glossary

ACHA	Aboriginal Cultural Heritage Assessment
AHIMS	Aboriginal Heritage Information Management System
AHIP	Aboriginal Heritage Impact Permit
AR	Archaeological Report
Biosis	Biosis Pty Ltd
BP	Before present
Burra Charter	*The Burra Charter: the Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS 2013)
CBD	Central Business District
Colliers	Colliers International Engineering & Design (NSW) Pty Ltd
Consultation requirements	*Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010a)
DECCW	Department of Environment, Climate Change and Water (now Heritage NSW)
DP	Deposited Plan
EP&A Act	*Environmental Planning and Assessment Act 1979*
Heritage NSW	Heritage NSW, Department of Planning and Environment
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	*National Parks and Wildlife Act 1974*
NSW	New South Wales
PAD	Potential archaeological deposit
RAPs	Registered Aboriginal Parties
Study area	Defined as 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (Lot 6 DP 734561, Lot 2 DP 734561, Lot 1 DP 734561)
The Code	*Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b)

Summary

Biosis Pty Ltd (Biosis) was commissioned by Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) to undertake an Aboriginal Cultural Heritage Assessment (ACHA) of a proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, New South Wales (NSW) (the study area). The study area is located in private land in Sydney's south-west suburb of Oakdale and approximately 90 kilometres south-west of the Sydney central business district (CBD).

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 *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (consultation requirements). The appropriate government bodies were notified and advertisements placed in *The District Report* newspaper (23 June 2023), which resulted in the following Aboriginal organisations registering their interest (Table 1):

Table 1 List of registered Aboriginal parties and group contact

No.	Organisation	Contact person
1	Didge Ngunawal Clan	Lillie Carroll
2	Dharramalin	Gary Dunn
3	RAW Cultural Healing	Raymond Weatherall
4	Mundawari	Dean Delponte
5	Konanggo Aboriginal Cultural Heritage Services	Robert Young
6	Butucarbin Aboriginal Corporation	Jennifer Beale
7	Wallanbah Aboriginal Site Conveyancing	Kelvin Boney
8	Kamilaroi Yankuntjatjara Working Group	Phil Khan
9	Gilay Consultants	Carol Slater
10	Confidential Party	N/A
11	Timothy Stubbs	Timothy Stubbs
12	Gali Heritage Consultants	Helen Slater
13	Yulay Cultural Services	Arika Jalomaki
14	Tharawal Local Aboriginal Land Council	Robyn Straub
15	Bariyan Cultural Connections	Kaylene Terry
16	Thomas Dalhstrom	Thomas Dalhstrom
17	Aragung Aboriginal Cultural Heritage Site Assessments	Jamie Eastwood
18	Cubbitch Barta	Glenda Chalker
19	Ngambaa Cultural Connections	Kaarina Slater
20	Guntawang Aboriginal Resources Incorporated	Wendy Morgan

A search conducted by the National Native Title Tribunal (NNTT) listed one Registered Indigenous Land Use Agreement within the study area: the Gundungurra Area Agreement. No response was received from the Office of the Registrar, *Aboriginal Land Rights Act 1983.*

Upon registration, the Aboriginal parties were invited to provide their knowledge on the study area and on the proposal provided in Stage 3 consultation documents. The responses identify the study area as an area of high cultural significance. Responses from the Registered Aboriginal Parties (RAPs) are included in Appendix C.

Jamie Currell of Kamilaroi Yankuntjatjara Working Group participated in the field investigation.

The outcome of the consultation process to date is that the RAPs considered the study area to have a high level of cultural significance, although that significance was not clearly defined and specific examples were not provided. The results of the consultation process are included in this document.

The recommendations that resulted from the consultation process are provided below.

Results

The ACHA assessment undertook background research for the proposed study area. Key considerations arising from the background research include:

- Two Aboriginal Heritage Information Management System (AHIMS) sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area, both isolated artefact sites. Artefact sites are the most common site type in the vicinity, followed by art (pigment of engraving) sites and modified trees.
- The study area is located within an undulating landscape, with a crest landform sloping eastwards to two open depressions in the eastern and north-western portion of the study area, both of which contain first order non-perennial water courses.
- The location of the study area in the Ashfield Shale geological formation and Blacktown soil landscape suggests potential for Aboriginal artefact scatter sites and Potential Archaeological Deposits (PADs) within the study area, as these site types are common throughout this formation and soil landscape. Similarly, the presence of the Hawkesbury Sandstone geological formation indicates sandstone exposures in association with water sources may be conducive to the development of grinding groove sites.
- AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 could not be located during the archaeological survey on 25 September 2023. No further Aboriginal sites or objects were identified during the survey.

There are 97 Aboriginal cultural heritage sites registered with the AHIMS register, two of which are located within the study area.

Biosis undertook a field investigation which identified no additional Aboriginal heritage sites within the study area. The previously recorded sites could not be relocated (Table 2).

Table 2 Site details

Site name	Site type	Significance	Type of harm before mitigated	Consequence of unmitigated harm	Consequence of mitigated harm	Site specific recommendations
AHIMS 52-2-4494/ BR-IF-01	Isolated find	Low	Direct	Total loss of value	Impact cannot be avoided	Application for an Aboriginal Heritage Impact Permit

Site name	Site type	Significance	Type of harm before mitigated	Consequence of unmitigated harm	Consequence of mitigated harm	Site specific recommendations
AHIMS 52-2-4493/ BR-IF-02	Isolated find	Low	Direct	Total loss of value	Impact cannot be avoided	(AHIP) to harm sites through proposed works

Management recommendations

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

Recommendation 1: Application for an Aboriginal Heritage Impact Permit to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02

An AHIP is required for any activities likely to have an impact on Aboriginal objects or places or cause land to be disturbed for the purposes of discovering an Aboriginal object. Heritage NSW, Department of Planning and Environment (Heritage NSW) issues AHIPs under Part 6 of the *National Parks and Wildlife Act 1974* (NPW Act).

It is recommended that Colliers apply to Heritage NSW for an AHIP to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. The AHIP should allow for impacts to both sites through the proposed works. **The AHIP should be for a period of 10 years.**

As part of the AHIP, prior to impacts RAPs should be afforded the opportunity for the community collection of the artefacts associated with AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Advice preparing AHIPs

AHIPs should be prepared by a qualified archaeologist and lodged with Heritage NSW. Once the application is lodged processing time can take between eight and 12 weeks. It should be noted that there will be an application fee levied by the Heritage NSW for the processing of AHIPs, which is dependent on the estimated total cost of the development project. Where there are multiple sites within one study area an application for an AHIP to cover the entire study area is recommended.

Recommendation 2: Areas identified as having low archaeological potential

No further investigations are required for areas assessed as having low archaeological potential. This recommendation is conditional upon Recommendations 5and 6.

Recommendation 3: Mitigating impacts to Aboriginal cultural heritage

The following measures should be undertaken to mitigate impacts of the proposed development to Aboriginal cultural heritage.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).
- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed and included in a construction management plan for the proposed development (see Recommendations 5 and 6).

Recommendation 4: Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.

Recommendation 5: Discovery of Unanticipated Aboriginal Objects

All Aboriginal objects and Places are protected under the NSW NPW Act. It is an offence to knowingly disturb an Aboriginal site without a consent permit issued by the Heritage NSW. 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 object the archaeologist will provide further recommendations. These may include notifying the Heritage NSW and Aboriginal stakeholders.

Recommendation 6: Discovery of human remains

If any suspected human remains are discovered during any activity works, all activity in the vicinity must cease immediately. The remains must be left in place and protected from harm or damage. The following contingency plan describes the immediate actions that must be taken in instances where human remains or suspected human remains are discovered. Any such discovery at the study area must follow these steps:

1. **Discovery:** If suspected human remains are discovered all activity in the vicinity must stop to ensure minimal damage is caused to the remains; and the remains must be left in place, and protected from harm or damage.
2. **Notification:** Once suspected human skeletal remains have been found, the Coroner's Office and the NSW Police must be notified immediately. Following this, the find will be reported to the Aboriginal parties and Heritage NSW.

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1. Introduction

1.1. Project background

Biosis has been commissioned by Colliers to undertake an ACHA for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW (Figure 1).

This report details the investigation, consultation and assessment of Aboriginal cultural heritage undertaken for the study area. The Archaeological Report (AR) in Appendix E details the findings of the archaeological investigations conducted as part of the ACHA. As required under Section 2.3 of the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (the Code), the AR provides evidence about the material traces of Aboriginal land use to support the conclusions and management recommendations in the ACHA.

1.2. Study area

The study area is located within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561 in Sydney's southwest suburb of Oakdale, approximately 90 kilometres southwest of the Sydney city CBD (Figure 1). It encompasses 22.7 hectares of semi-rural private land and the adjacent road reserves.

The study area is within the:

- Wollondilly Local Government Area (LGA).
- Parish of Burragorang.
- County of Camden..

The study area is bounded by Barkers Lodge Road to the west, Burragorang Road to the north, Lot 3 DP 734561 to the east and Lot 10 DP 609714 to the south (Figure 2).

1.3. Proposed development

The Planning Proposal proposes to rezone up to 19.1 hectares of the study area to R2 Low Density Residential, facilitating a yield of up to 208 residential lots to enable urban development to occur within the study area, whilst retaining approximately 39146 square metres of C2 Environmental Conservation zoned land and 28207 square metres (4784 square metres on the northern portion and 23423 square metres on the southern portion) of C3 Environmental Management zoned land to support the conservation of existing native vegetation adjoining Willis Park. A total of 212 lots are proposed, with the aforementioned 208 Low Density Residential lots, as well as three super lots for Environmental Conservation and Environmental Management purposes and one lot containing a stormwater basin.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either through the use of perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

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It is proposed that the existing large dam in the southeast part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve.

In order to facilitate the proposed development, earthworks, road construction, services and infrastructure installation will occur. These activities will result in disturbance of the ground throughout the study area.

1.4. Planning approvals

The proposed development will be assessed against Part 3 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*.
- NSW NPW Act.
- NSW *National Parks and Wildlife Amendment Act 2010*.
- *State Environmental Planning Policy (Transport and Infrastructure) 2021*.
- *Wollondilly Local Environment Plan 2011* (LEP).
- *Wollondilly Development Control Plan 2016*.

1.5. Restricted and confidential information

Appendix A in the AR contains AHIMS information which is confidential and not to be made public. This is clearly marked on the title page for the Attachment.

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. New evidence out of the Northern Territory has pushed this date back with the Malakanunja II rock shelter dated at around 65,000 years before present (BP) (Clarkson et al. 2017).

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.d

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, pp. 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, pp. iii).

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

Aboriginal objects are defined as:

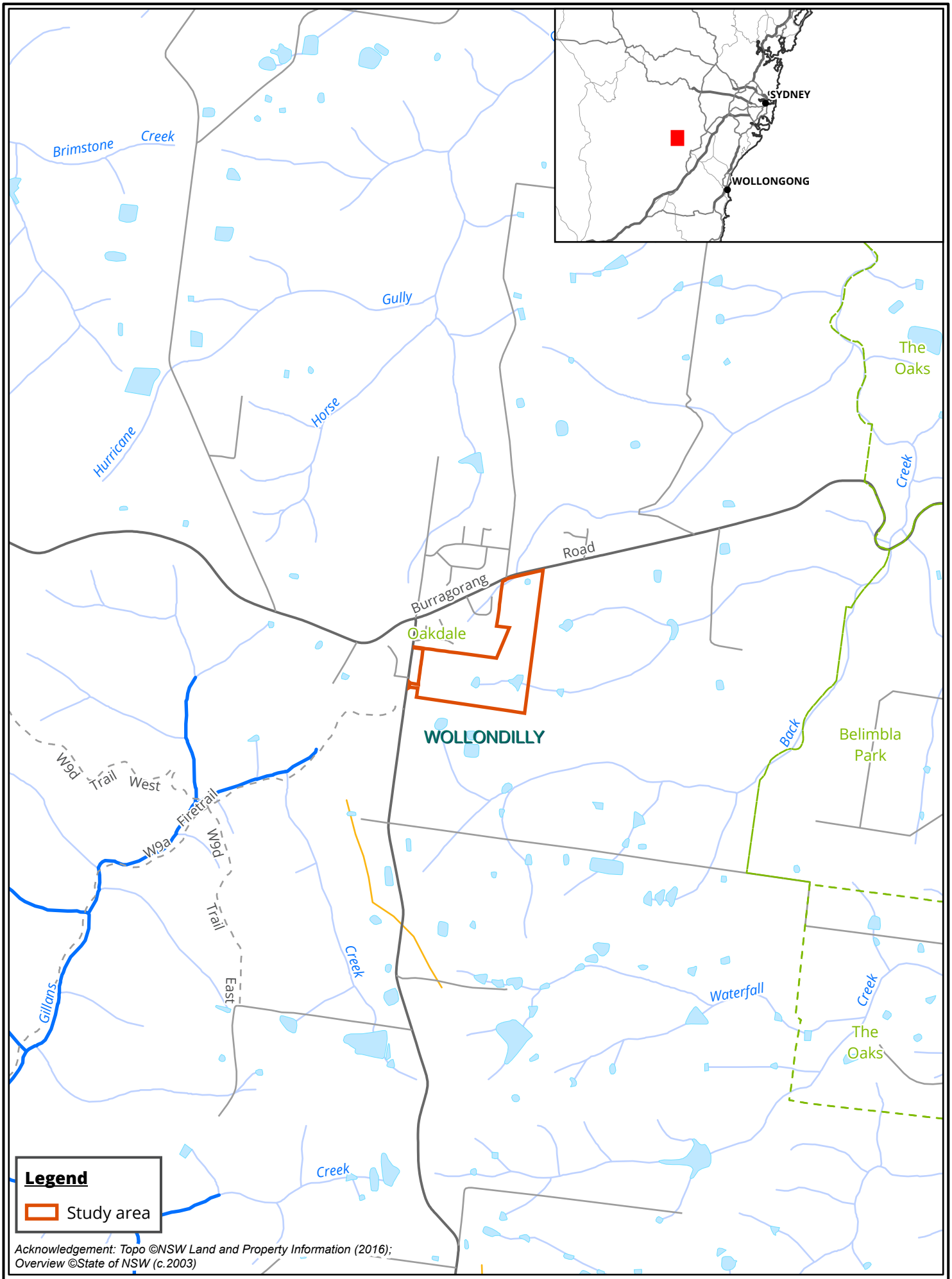
> *any deposit, object or material evidence…relating to the Aboriginal habitation of the area that comprises NSW, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains*

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, pp. iii). More specifically it is used:

- To provide a:
  - *'Connection and sense of belonging to Country'* (DECCW 2010a, pp. iii).
  - Link between the present and the past (DECCW 2010a, pp. iii).
- As a learning tool to teach Aboriginal culture to younger Aboriginal generations and the general public (DECCW 2010a, pp. 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, pp. 3).



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

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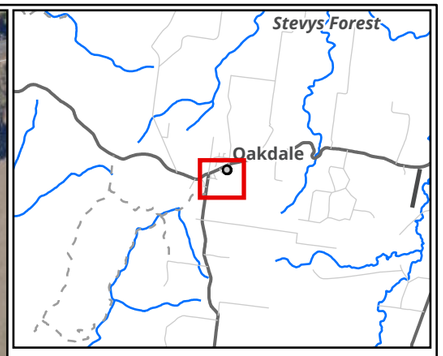
Figure 1 Location of the study area

Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposalACHAandHHA
Layout: 39164_ACHA_F1_Locality

0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56

N



Legend

- Study area
- Lot

Figure 2 Study area detail

0 30 60 90 120

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

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Matter: 39164, Date: 16 May 2023,
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39164_OakdalePlanningProposalACHAandHHA,
Layout: 39164_ACHA_F2_StudyArea

Legend

- Study area
- Lot
- Proposed works

Acknowledgements: Basemap © Land and Property Information 2016; public/NSW_Imagery: © Department of Customer Service 2020; Proposed works© Colliers International Engineering & Design NSW PTY LTD 2023

Figure 3 Proposed works

0 25 50 75 100

Metres
Scale: 1:3,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56

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Matter: 39164, Date: 10 November 2023,
Prepared for: CG, BB, HM, Prepared by: HL., Last edited by: jtownsend
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Layout: 39164_ACHA_F3_ProposedWorks

2. Study area context

This section discusses the study area in regard to its landscape, environmental and Aboriginal cultural heritage context. This section should be read in conjunction with the AR attached in Appendix E. The background research has been undertaken in accordance with the Code.

2.1. Topography and hydrology

The study area lies within Sydney Basin Bioregion of Burragorang, whose geology primarily consists of Permian and Triassic sandstones and shales on the western edge of the Basin (NPWS 2003). The study area lies within Wianamatta Group shales and sandstones in the northern and western portions and the central portion lies within the Hawkesbury sandstone geological formation. The Wianamatta geological group is Middle Triassic in age (245-235 million years ago) and it overlays Hawkesbury Sandstone. The lower bed of the Wianamatta Group consists of Ashfield Shale, which is present within the study area and contains black sideric claystone and limonite. The upper bed is Bringelly Shale that consists of a shale/sandstone sequence in which brown shale dominates. The frequency of lithic sandstone increases in the upper-most sections (Hazelton & Tille 1990, pp. 2–3). Common site types within the Ashfield Shale include artefact and PAD sites. The Hawksbury Sandstone geological formation is characterised as medium to coarse grained quartz sandstone with minor shale and laminite lenses (Hazelton & Tille 1990, pp. 45). It also occurs as flat topped outcrops (platforms of varying sizes) and boulders, mainly on ridge tops, and also along the sides of gullies and in valley bottoms (JMCHM 2008). Common site types within the Hawkesbury Sandstone geological formation include rock shelter, art and grinding groove sites.

Topography within the study area can be characterised as undulating. There is a crest located in the west that slopes down in an eastward direction towards drainage depressions in the south-east and north-west. Stream order is recognised as a factor which helps the development of predictive modelling in Aboriginal archaeology. Predictive models which have been developed for the region have a tendency to favour permanent water courses as the locations of complex sites that have been continuously occupied, as they would have been more likely to provide a stable source of water and by extension other resources which would have been used by Aboriginal groups (Jo McDonald Cultural Heritage Management 2000, pp. 19). There are two non-perennial water courses present within the study area; these flow to Back Creek, approximately 2 kilometres north-east from the study area. One of first-order streams flow in a westward direction into the study area, while the second first-order stream flows in a south-western past the northern portion of the study area. Back Creek is a non-perennial tributary of the fifth order Werriberri Creek, a perennial water course 4.25 kilometres east of the study area. Gilsons Creek, located 580 meters south-west from the study area is a tributary of Lake Burragorang, a modified eighth order perennial water source which is also impounded by Warragamba Dam.

2.2. Soil landscapes

The study area is comprised of the Blacktown soil landscape which is a residual soil landscape consisting of gently undulating rises, broad rounded crests and gently inclined slopes with a gradient of less than 5%. Local relief within the Blacktown soil landscape is up to 30 metres and rocky outcropping is absent. This is in contrast to the typical characteristics of the Hawkesbury Sandstone geological formation, suggesting that the combination of the Blacktown soil landscape and the Hawkesbury Sandstone geological formation may result

in reduced frequency of sandstone outcroppings. Dominant soils consist of shallow to moderately deep (<100 centimetres) red and brown podzols on crests in well drained topographies, and deep (150–300 centimetres) yellow podzolic soils and soloths on lower slopes and drainage lines (Bannerman & Hazelton 1990, pp. 28).

Residual soils form from the *in situ* weathering of bedrock material, resulting in slow accumulation of soils over long periods of time. Due to their age and slow accumulation, residual soil landscapes have reasonable potential to preserve archaeological deposits in an open context, such as stone artefacts derived from occupation sites. However, the slow accumulation and high impact of extensive land clearing (usually associated with pastoral and civic development) often results in poor preservation of archaeological material where disturbances have occurred. Other occupational evidence might include scarred trees where remnant vegetation occurs. This is evident in the number of sites found within and nearby the study area, which area also located within this soil landscape.

The Blacktown soil landscape distribution patterns vary dependant on the landform type it is contained within, therefore altering the depths at which subsurface archaeological artefact deposits are found. The majority of the study area contains upper to mid-slopes, with 20 centimetres of clay loam >50 centimetres of strong pedal mottled clay >100 centimetres of light grey plastic mottled clay. On average, soil depth is less than 200 centimetres.

2.3. Climate and rainfall

Climate and rainfall data provide use evidence to determine human occupation of a site or area. Often, changes in climatic pattern will affect the presence or likelihood that people would occupy a specific area. Here, this data has been supplied by the Australian Government Bureau of Meteorology. Climate data was provided by the Picton Council Depot NSW approximately 14.3 kilometres away (Station No. 068052).

- The mean maximum average temperature is highest in January when it reaches 29.3 degrees.
- The lowest mean maximum temperature is in July at 12.3 degrees.
- The mean minimum temperature is highest in February at 15.4 degrees and lowest in July at 1.7 degrees.
- The average rainfall is highest in February at 91 millimetres and lowest in September at 43.5 millimetres.

Based on modern climate data it is likely the study area would have provided a temperate area with high average rainfalls and proximity to permanent water sources, making it likely the area was seasonally occupied. This would also suggest the presence of Aboriginal sites is highly likely as a result.

2.4. Landscape resources

The wider region includes distinct ecological zones, including open forest and open woodland, with riparian vegetation extending along many of the watercourses. Each ecological zone hosts a different array of floral and faunal species, many of which would have been utilised according to seasonal availability. Aboriginal inhabitants of the region would have had access to a wide range of avian, terrestrial and aquatic fauna and repeated firing of the vegetation would have opened up the foliage allowing ease of access through and between different resource zones.

The Blacktown soil landscape, while now almost fully cleared, would have supported tall open-forest (wet sclerophyll forest, open-forest and woodland (dry sclerophyll forest). Remaining traces of these may include remnant Sydney Blue Gum *Eucalyptus saligna* and Blackbutt *E. pilularis* in higher rainfall areas, while in drier

areas, original woodlands and open-forests feature Forest Red Gum *E. tereticornis*, Narrow-leaved Ironbark *E. crebra* and Grey Box *E. microcarpa* (eSPADE 2023).

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).

As well as being important food sources, 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, have been identified in 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).

Native fauna that may have inhabited the area or its surrounds include mammals such as the Koala *Phascolarctos cinereus*, Common Ringtail Possum *Pseudocheirus peregrinus*, Common Wombat *Vombatus ursinus*, Eastern Grey Kangaroo *Macropus giganteus*, Short-beaked Echidna *Tachyglossus aculeatus*, Swamp Wallaby *Wallabia bicolor* and Common Brushtail Possum *Trichosurus vulpecula*. Bird species that may have inhabited the area include the Crimson Rosella *Platycercus elegans*, Glossy Black-cockatoo *Calyptorhynchus lathami*, Australian Magpie *Gymnorhina tibicen*, Kookaburra *Dacelo novaeguineae* and the Yellow-tailed Black-cockatoo *Calyptorhynchus (Zanda) funereus*. The Red-bellied Black Snake *Pseudechis porphyriacus* may also have been present.

2.5. European land use history

The study area is contained within land granted to Patrick Martin of Picton in 1862 (Photo 1). An obituary for Patrick Martin noted he was a pastoralist of the Campbelltown and Camden district ('Obituary.', 1891). Later annotations on the Crown plan for this land indicate the property was reserved for classification in 1907, but this was revoked in 1908 (NSW Land Registry Services, Crown plan C189.1521). The land was acquired by Elizabeth Willis in 1920 (NSW Land Registry Services, Certificate of Title Volume 102 Folio 162).

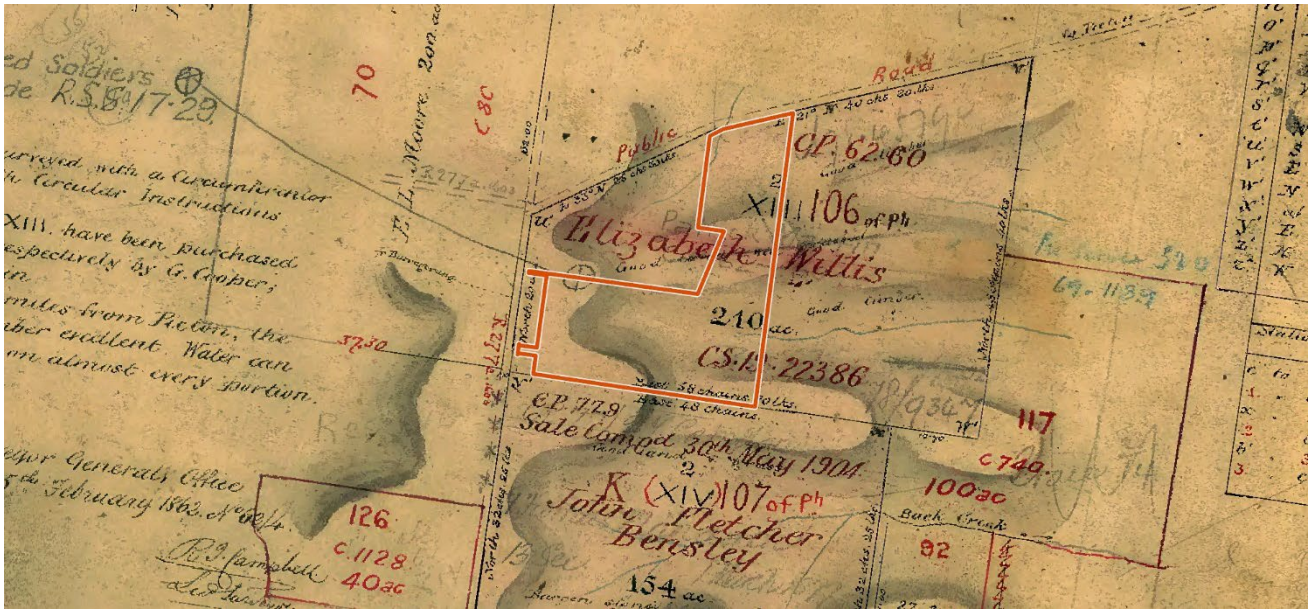


Photo 1 Crown plan of land containing the study area, which is outlined in red (Source: NSW Land Registry Services, Crown plan C189.1521)

A review of historical aerial photographs allows for an analysis of change within the study area from the mid-20th century onwards. By 1975, the southern portion of the study area has been cleared of vegetation while the north portion remains with dense forestry (Photo 2). Pastoral grazing and farming is evident, as well as residential buildings and a pathway from Barkers Lodge Road. Two dams are also present in the study area.

Photo 2 1975 aerial photograph of the study area (Source: NSW aerial imagery)

By 1990, the northern portion of study area has undergone significant changes, with the clearing of vegetation for agriculture as well as the construction of residential buildings with entrances from Burragorang Road (Photo 3). A dam has also been developed, with the construction of tracks evident across the study area. Significant residential development is also seen surrounding the study area.

Photo 3 1990 aerial photograph of the study area (Source: NSW aerial imagery)

Further changes had occurred by 2005, comprising further removal of vegetation around the residential buildings in the northern portion of the study area (Photo 4). The tracks towards the dam in the south-east portion are less prominent.

Photo 4 2005 aerial photograph of the study area (Source: NSW aerial imagery)

3. Aboriginal cultural heritage context

3.1. Ethnohistory

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. These documents are affected by the inherent bias of the class and cultures of their authors, who 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 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.

Despite a proliferation of Aboriginal heritage sites there is considerable ongoing debate about the nature, territory and range of pre-contact Aboriginal language groups in the greater Sydney region. These debates have arisen largely because, by the time colonial diarists, missionaries and proto-anthropologists began making detailed records of Aboriginal people in the late 19th century, pre-European Aboriginal groups had been broken up and reconfigured by European settlement activity. The following information relating to Aboriginal people on the Cumberland Plains is based on such early records.

There is some confusion relating to group names within the Cumberland Plain. Attenbrow (2002, pp. 34)describes these groups as:

- *Darug coastal dialect/s – the Sydney Peninsula (north of Botany Bay, south of Port Jackson, west to Parramatta), as well as the country to the north of Port Jackson, possibly as far as Broken Bay*
- *Darug hinterland dialect - on the Cumberland Plain from Appin in the south to the Hawkesbury River in the north; west of the Georges River, Parramatta, the Lane Cove River and Berowra Creek*
- *Dharawal - from south side of Botany Bay, extending south as far as the Shoalhaven River; from the coast to the Georges River and Appin, and possibly as far west as Camden,*
- *Gundungurra - southern rim of the Cumberland Plain west of the Georges River, as well as the southern Blue Mountains.*

Early interactions between local Aboriginal groups in the Sydney region and European settlers varied in nature between peaceful and hostile. It was not long before the effects of colonisation proved detrimental to local groups, with farming practices employed by the settlers removing land that had until that point been used for subsistence (Attenbrow 2002).

Early observers made no note of the language of the local groups, and it was not until the latter part of the nineteenth century that the name Darug was used. Matthews (1901, p. 155, cited by Attenbrow 2002, p.32) stated that 'The Dharuk speaking people adjoined the Thurrawal on the north, extending along the coast to the Hawkesbury River, and inland to what are now Windsor, Penrith, Campbelltown, and intervening towns'. Subsistence activities varied based on the local landscapes, with Darug groups closer to the coast employing different food sources and means of hunting in order to survive, compared to those further inland (Kelleher Nightingale Consulting 2010, pp. 10).

After the arrival of European colonialists, the movement of Aboriginal hunter-gatherers became increasingly restricted. European expansion along the Cumberland Plain was swift and soon there had been considerable loss of land to agriculture. This led to violence and conflict between Europeans and Aboriginal people as both groups sought to compete for the same resources (Brookes & Associates, Taylor Barner Landscape Architects, & Mary Dallas Consulting Archaeologists 2003, pp. 16). At the same time diseases such as smallpox were

having a devastating effect on the Aboriginal population. Death, starvation and disease were some of the disrupting factors that led to a reorganisation of the social practices of Aboriginal communities after European contact. The formation of new social groups and alliances were made as Aboriginal people sought to retain some semblance of their previous lifestyle.

3.2. Aboriginal heritage located in the study area

The archaeological assessment of the study area identified the following Aboriginal sites in the study area:

- AHIMS 52-2-4494/BR-IF-01
- AHIMS 52-2-4493/BR-IF-02

The AR attached in Appendix E provides details for Aboriginal sites identified during the archaeological assessment and shown on Figure 4. A brief description of each site is provided below.

AHIMS 52-2-4494 BR-IF-01

AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. The site card has little information recorded, with references made to the report being prepared for the sites. The site was recorded by Kayandel Archaeological Services. At the time of preparing this report, it has not been possible to obtain a copy of the report prepared by Kayandel Archaeological Services.

This site could not be located during the archaeological survey.

AHIMS 52-2-4493 BR-IF-02

AHIMS 52-2-4493/BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. The site card has little information recorded, with references made to the report being prepared for the sites. The site was recorded by Kayandel Archaeological Services. At the time of preparing this report, it has not been possible to obtain a copy of the report prepared by Kayandel Archaeological Services.

This site could not be located during the archaeological survey.

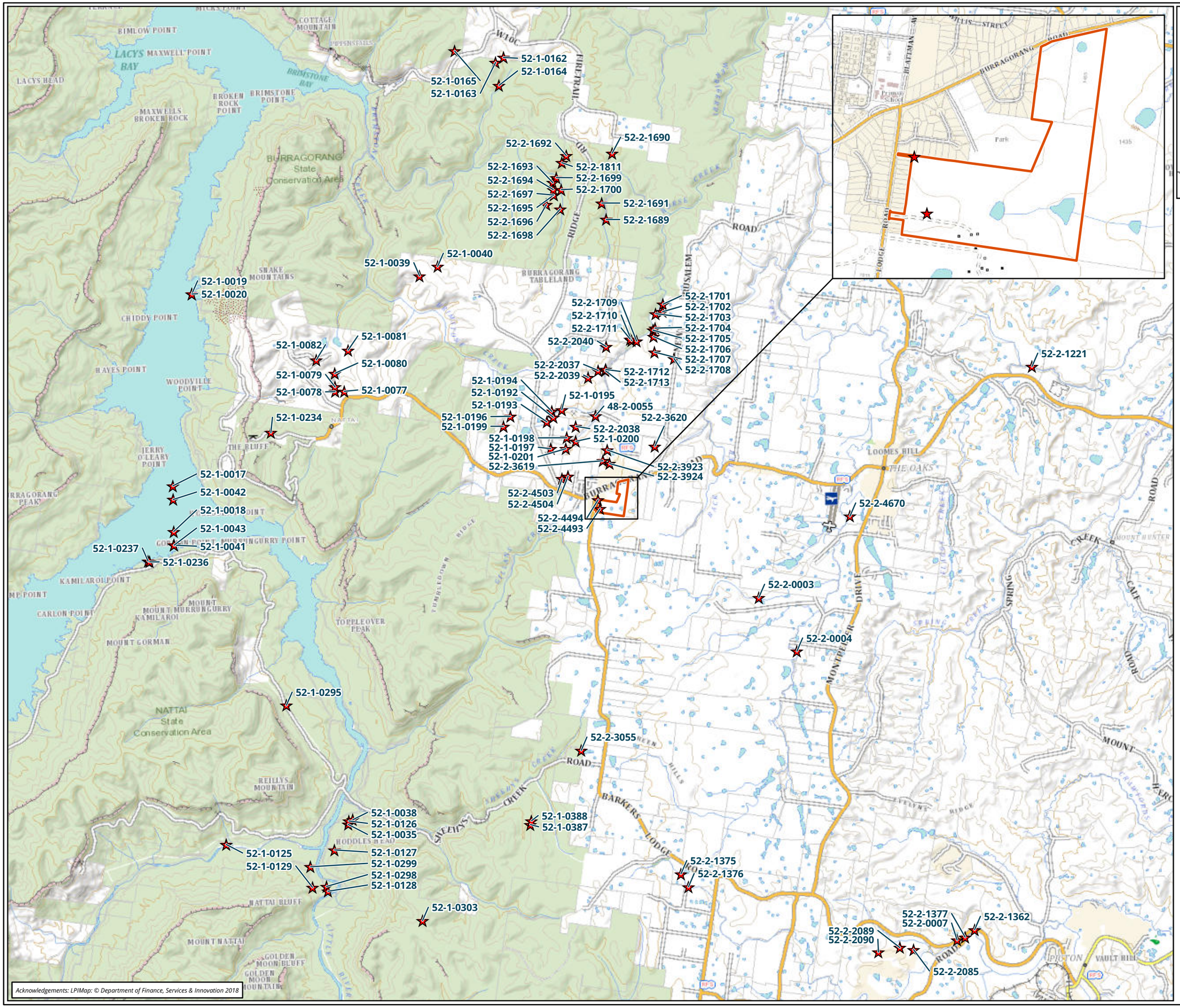
3.3. Interpretation of past Aboriginal land use

The study is situated within an undulating landscape, featuring a crest, slope and two open depressions featuring two first order non-perennial streams. Located within the Hawkesbury Sandstone and Ashfield Shale geological formations, the study area also features the Blacktown soil landscape. The combination of these environmental conditions suggest that the study area would have been moderately attractive to Aboriginal people for intermittent resources and water, and archaeological evidence of their use of the study area may be preserved in areas of lower disturbance. The wider Cumberland Plain and Wollondilly area would have generally provided a number of resources used by Aboriginal inhabitants as part of distinct ecological zones, including open forest and open woodland, with riparian vegetation extending along many of the watercourses. Each ecological zone hosts a different array of floral and faunal species, many of which would have been utilised according to seasonal availability. Aboriginal inhabitants of the region would have had access to a wide range of avian, terrestrial and aquatic fauna and repeated firing of the vegetation would have opened up the foliage allowing ease of access through and between different resource zones. Plant resources were used in a variety of ways, with fibres twisted into string for weaving nets, baskets, fishing lines

and personal adornment. Similarly, bark was used in the provision of shelter propped against a stick to form a gunyah (Attenbrow 2002). Animals provided dietary nourishment but 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). Animals also act as spiritual totems, connecting Aboriginal people with their country, and with the land, sky and waters around them.

The presence of intermittent water sources within the study area would have allowed for these resources to grow and gather here, and would likely have attracted Aboriginal people to this location. The presence of two recorded AHIMS sites within the study area (AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02) demonstrates the physical evidence of Aboriginal people's use of the study area. In the vicinity, recorded Aboriginal sites are commonly associated with water sources, with site frequency increasing alongside higher stream order and water permanence. However, the recording of Aboriginal sites is skewed due to the nature of developments and assessment in the local area. For example, where mining activities proposed, targeted surveys focused on surface landforms likely to be impacted from subsurface works, resulting in high numbers of sandstone rock shelters, grinding grooves and art sites to the north in areas of more severe topography. The current number of recorded Aboriginal sites should therefore be considered a sample of the archaeological evidence of Aboriginal land use.

While no further Aboriginal sites were identified within the study area as part of the ACHA, a lack of archaeological evidence does not preclude that Aboriginal people did not use, visit or stay within this area, only that there are no physical traces of these activities.



NOT TO BE MADE PUBLIC

Figure 4 Aboriginal sites located within the vicinity of the study area

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 A.

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 notified the following bodies regarding the proposal:

- Wollondilly Shire Council.
- Heritage NSW, Department of Planning and Environment.
- NSW Native Title Services Corporation Limited.
- Office of the Registrar, *Aboriginal Land Rights Act 1983* of Aboriginal Owners.
- NNTT.
- Greater Sydney Local Land Services.
- Tharawal LALC.

A list of known Aboriginal stakeholders in the Wollondilly Region was provided by Heritage NSW (a copy of this responses is provided in Appendix B and include:

- A1 Indigeous Services
- Amanda Hickey Cultural Services
- Aragung Aboriginal Cultural Heritage Site Asssessments
- B.H. Heritage Consultants
- Barking Owl Aboriginal Corporation
- Barraby Cultural Services
- Bidjawong Aboriginal Corporation
- Clive Freeman
- Corroboree Aboriginal Corporation
- D'harawal Mens Aboriginal Corporation
- Darug Boorooberongal Elders Aboriginal Corporation
- Darug Land Observations
- Dharug Ngurra Aboriginal Corporation
- Didge Ngunawal Clan
- Galamaay Cultural Consultants (GCC)
- Garrara Aboriginal Corporation
- Gilay Consultants
- Ginninderra Aboriginal Corporation
- Goodradigbee Cultural & Heritage Aboriginal Corporation
- Guntawang Aboriginal Resources Incorporated
- Gunya Aboriginal Cultural Heritage Services PTY LTD
- James Davis
- Kamilaroi Yankuntjatjara Working Group
- Konanggo Aboriginal Cultural Heritage Services
- Mundawari Heritage Consultants

- Mura Indigenous Corporation
- Murra Bidgee Mullangari Aboriginal Corporation
- Ngambaa Cultural Connections
- Tharawal Local Aboriginal Land Council
- Thawun Aboriginal Consultancy
- Thomas Dahlstrom
- Thoorga Nura
- Timothy Stubbs
- Waawaar Awaa Aboriginal Corporation
- Wori Wooilywa
- Wurrumay Pty Ltd
- Yulay Cultural Services
- Yurrandaali
- Wallanbah Aboriginal Site Conveyancing
- RAW Cultural Healing
- Bariyan Cultural Conntections
- Teena Riley
- Dharramalin
- Gali Heritage Consultants

A search conducted by the NNTT listed one Registered Indigenous Land Use Agreement within the study area: the Gundungurra Area Agreement. No response was received from the Office of the Registrar, *Aboriginal Land Rights Act 1983.*

4.1.2. Public notice

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

- *The District Report* (23 June 2023)

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 19 groups registered their interest in the project. Responses to registration from Aboriginal parties are provided in Appendix C. A full list of Aboriginal parties who registered for consultation is provided below in Table 3:

Table 3 List of registered Aboriginal parties

No.	Organisation	Contact person
1	Didge Ngunawal Clan	Lillie Carroll
2	Dharramalin	Gary Dunn
3	RAW Cultural Healing	Raymond Weatherall
4	Mundawari	Dean Delponte
5	Konanggo Aboriginal Cultural Heritage Services	Robert Young

No.	Organisation	Contact person
6	Butucarbin Aboriginal Corporation	Jennifer Beale
7	Wallanbah Aboriginal Site Conveyancing	Kelvin Boney
8	Kamilaroi Yankuntjatjara Working Group	Phil Khan
9	Gilay Consultants	Carol Slater
10	Confidential Party	N/A
11	Timothy Stubbs	Timothy Stubbs
12	Gali Heritage Consultants	Helen Slater
13	Yulay Cultural Services	Arika Jalomaki
14	Tharawal Local Aboriginal Land Council	Robyn Straub
15	Bariyan Cultural Connections	Kaylene Terry
16	Thomas Dalhstrom	Thomas Dalhstrom
17	Aragung Aboriginal Cultural Heritage Site Assessments	Jamie Eastwood
18	Cubbitch Barta	Glenda Chalker
19	Ngambaa Cultural Connections	Kaarina Slater
20	Guntawang Aboriginal Resources Incorporated	Wendy Morgan

4.2. Stage 2: Presentation of information about the proposed project

On 11 and 18 July 2023 Biosis provided RAPs with details about the proposed development works (project information pack). A copy of the project information pack is provided in Appendix C.

4.3. Stage 3: Gathering information about cultural significance

4.3.1. Archaeological assessment methodology information pack

On 11 and 18 July 2023, Biosis provided each RAP with 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 C.

The following feedback was received.

Bariyan Cultural Connections [15] responded on 19 July 2023:

> *We have read and agree with the project information and assessment methodology.*

Mundawari [4] responded on 15 July 2023:

> *After reviewing the methodology MHC is in support of the process to complete the survey and test excavations for Burragorang Road and Barkers Lodge Road, Oakdale.*

Didge Ngunawal Clan [1] responded on 11 July 2023:

> *We are happy from our own with everything.*

Kamilaroi Yankuntjatjara Working Group [8] responded on 8 August 2023:

Thank you for your report, the study area is highly significant and sensitive to us Aboriginal people. Waterways are within and surrounding the study area which is highly important to us and would have been utilised for hunting, fishing, camping, ceremonies, and potential burial sites. Therefore, we would like to agree and support your test methodology to investigate further. Regarding long-term mango of any artefacts found, I recommend reburial or to be kept at LALC.

4.3.2. Information gathered during fieldwork

The site survey was attended by Jamie Currell (representative of Kamilaroi Yankuntjatjara Working Group), who agreed with the assessment that the study area holds low potential for intact Aboriginal deposits.

4.4. Stage 4: Review of draft ACHA report

A copy of the draft ACHA and the proposed testing methodology were provided to RAPs on 1 November 2023 for review and comment. RAPs were given 28 days to provide comments in accordance with consultation requirements. Two comments were received as detail below, and a record of all correspondence is provided in Appendix D.

Kamilaroi Yankuntjatjara Working Group responded by email on 5 December 2023 stating that they agree and support the recommendations in the ACHA and had one minor correction for section 4.3.2 regarding which group Jamie Currell was representing.

Biosis responded by email on 5 December 2023 apologising for the typo and corrected it throughout the document. Kamilaroi Yankuntjatjara Working Group responded by email on 5 December 2023 with thanks for the correction.

Bariyan Cultural Connections responded by email on 6 November 2023 stating that they had read and reviewed the draft ACHA and AR and have no comments at the moment.

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 E.

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). 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, Heritage NSW 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 Heritage NSW *Guide 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, pp. iii). More specifically it provides:

- A 'connection and sense of belonging to Country' (DECCW 2010a, pp. iii).
- A link between the present and the past (DECCW 2010a, pp. 3).
- A learning tool to teach Aboriginal culture to younger Aboriginal generations and the general public (DECCW 2010a, pp. iii).
- 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, pp. iii).

It is acknowledged that Aboriginal people are the primary determiners of the cultural significance of Aboriginal cultural heritage. During consultation the following information was provided by RAPs in regard to the cultural values of the study area.

Kamilaroi Yankuntjatjara Working Group [8]:

> *The study area is highly significant and sensitive to us Aboriginal people. Waterways are within and surrounding the study area which is highly important to us and would have been utilised for hunting, fishing, camping, ceremonies, and potential burial sites.*

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 direct historic associations. However, the Oakdale Uniting Church (Wollondilly LEP 2011, Item No. I118), a heritage item of local significance, is located approximately 120 metres east of the study area.

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 AR (Appendix E).

5.5. Aesthetic values

There is a diverse yet accessible literature regarding the identification of aesthetic values and determining aesthetic significance (Burke & Smith 2004, pp. 248–249). It is generally agreed that aesthetic values are an important part of cultural heritage significance; however, they are dependent on an individual's sensory response, which means determining aesthetic value is fraught with difficulty, and should be applied on a case-by-case basis as it is not always a value applicable to archaeological sites. However, when dealing with some types of sites aesthetic values and landscape context are an important consideration. The question 'does the place have a relationship between its parts and the setting which reinforces the quality of both', while originally proposed in an architectural context (Kerr 2013, pp. 15), is relevant also for many sites in a local setting—such as in forests, deserts, or coastlines, where there is often an important relationship between cultural sites and the natural environment, which contribute to the values of a 'sense of place'.

The study area constitutes a moderately disturbed portion of land used for pastoral purposes, within a relatively developed area of Oakdale. The site has been subject to extensive vegetation clearance. The crest in the south-western portion of the study area would have provided some views of the surrounding undulating landscape. The study area therefore has moderate aesthetic significance.

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. The resultant statement of significance has been constructed for the study area based on the significance ranking criteria assessed in Table 4 and Table 5.

5.6.1. Statement of significance for AHIMS 52-2-4494/BR-IF-01

AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a disturbed area used for grazing, approximately 370 metres north-west of a first-order, nonperennial

watercourse. Initial discussions with the Aboriginal community indicate that the study area and sites contained within it are of high cultural significance, and any further comments from RAPs will be incorporated into this assessment once Stage 4 consultation has been undertaken. The site does not hold any known historical connections, and is considered to hold low historical significance. The site type is common and the condition of the site is poor. No artefacts were identified in the survey carried out by Biosis. AHIMS 52-2-4494/BR-IF-01 possesses low scientific significance. While the site and vicinity has been cleared of vegetation, it holds moderate aesthetic significance for its position on a crest within an undulating landscape, which may have provided some views of the surrounding area.

Table 4 Significance assessment criteria

Site name	Criteria	Ranking
AHIMS 52-2-4494/BR-IF-01	Cultural – initial discussions with the local Aboriginal communities reflect that the site is high in value. This assessment will be updated following Stage 4 consultation.	High
	Historical – the site is not connected to any historical event or personage.	Low
	Scientific – the previously recorded isolated find could not be re-located during the survey.	Low
	Aesthetic – the site is located in land that has been widely cleared of vegetation and used for pastoral purposes. However, the site is located on a crest within an undulating landscape and provides some views to the surrounding area.	Moderate

5.6.2. Statement of significance for AHIMS 52-2-4493/BR-IF-02

AHIMS 52-2-4493/BR-IF-02 consists of isolated quartzite artefact located in the south-west of the study area. The site is located on a crest of cleared grassland in a disturbed residential area used for grazing, approximately 247 metres west of a first-order, nonperennial watercourse. Initial discussions with the Aboriginal community indicate that the study area and sites contained within it are of high cultural significance, and any further comments from RAPs will be incorporated into this assessment once Stage 4 consultation has been undertaken. The site does not hold any known historical connections, and is considered to hold low historical significance. The site type is common and the condition of the site is poor. No artefacts were identified in the survey carried out by Biosis. AHIMS 52-2-4493/BR-IF-02 possesses low scientific significance. While the site and vicinity has been cleared of vegetation, it holds moderate aesthetic significance for its position on a crest within an undulating landscape, which may have provided some views of the surrounding area.

Table 5 Significance assessment criteria

Site name	Criteria	Ranking
AHIMS 52-2-4493/BR-IF-02	Cultural – initial discussions with the local Aboriginal communities reflect that the site is high in value. This assessment will be updated following Stage 4 consultation.	High
	Historical – the site is not connected to any historical event or personage.	Low
	Scientific – the previously recorded isolated find could not be re-located during the survey.	Low
	Aesthetic – the site is located in land that has been widely cleared of vegetation and used for pastoral purposes. However, the site is located on a crest within an undulating landscape and provides some views to the surrounding area.	Moderate

6. Development limitations and mitigation measures

Within the study area, there are two recorded Aboriginal sites that may be subject to harm. It is expected that the potential of harm to Aboriginal archaeological sites from proposed works within the study area is high. Strategies to avoid or minimise harm to Aboriginal heritage in the study area are discussed below.

A summary of the potential impacts of the proposed works on known Aboriginal sites within the study area is provided in Table 6 and shown in Figure 5.

Table 6 Summary of potential archaeological impact

AHIMS site no.	Site name	Significance	Type of harm	Degree of harm	Consequence of harm
52-2-4494	BR-IF-01	Moderate	Direct	Total	Total loss of value
52-2-4493	BR-IF-02	Moderate	Direct	Total	Total loss of value

6.1. Potential risks to Aboriginal cultural heritage

The proposed development will involve the subdivision of the study area into up to 208 lots and construction of residential buildings. This development will include a number of works associated with residential development of the area. In order to facilitate this development, earthworks, road construction, services and infrastructure installation will occur. These activities will result in disturbance of the ground throughout the study area. Should the current proposed subdivision layout for the planning proposal remain unchanged, these activities may disturb or completely remove Aboriginal objects.

6.1.1. Ecologically Sustainable Development

One of the primary aims of the NPW Act is the 'conservation of objects places and features … of cultural value within the landscape, including … places, objects and features of significance to Aboriginal people …' ((s.2A(1)(b)(i)). The *Operational Policy: Protecting Aboriginal Cultural Heritage (Version 2)* (State of NSW and Office of Environment and Heritage NSW 2011) provides guidance to proponents in term of Ecologically Sustainable Development (ESD).

ESD has been defined in Part 3, 6. (2) Objective of the Authority of the *Protection of the Environment Administration Act 1991* (NSW). This outlines that the ESD requires the integration of economic and environmental considerations (including cultural heritage) in the decision-making process. Regarding Aboriginal cultural heritage, ESD can be achieved by applying the principle of intergenerational equity and the precautionary principle.

> ***Intergenerational equity***
>
> *The principle of intergenerational equity states that the present generation should make every effort to ensure the health, diversity and productivity of the environment – which includes cultural heritage – for the benefit of future generations.*
>
> *In terms of Aboriginal cultural heritage, intergenerational equity can be considered in terms of the 'cumulative impacts' of any proposal to Aboriginal objects and places. For example, if few Aboriginal objects and places remain in a region (because of harm authorised under previous AHIPs), fewer*

opportunities remain for future generations of Aboriginal people to enjoy the cultural benefits of those Aboriginal objects and places.

Information about the significance of Aboriginal cultural heritage values associated with the Aboriginal objects and places proposed to be harmed will be relevant to the consideration of intergenerational equity and an understanding of the cumulative impacts of a proposal.

Where there is uncertainty, the precautionary principle should also be followed (see below).

The precautionary principle

The precautionary principle states that the lack of full scientific certainty about the threat of harm should not be used as a reason for not taking measures to prevent harm from occurring.

In applying the precautionary principle, decisions should be guided by:

- *a careful evaluation to avoid, wherever practicable, serious or irreversible damage to the environment (which includes cultural heritage)*
- *an assessment of the risk-weighted consequences of various options.*

The precautionary principle is relevant to Heritage NSW consideration of potential harm to Aboriginal cultural heritage where:

- *the proposal involves a risk of serious or irreversible harm to Aboriginal objects or places or to the value of those objects or places, and*
- *there is a lot of uncertainty about the significance of Aboriginal cultural heritage values of the Aboriginal objects or places proposed to be harmed.*

Where this is the case, a precautionary approach should be taken and all cost-effective measures implemented to prevent or reduce harm to the Aboriginal objects/place (State of NSW and Office of Environment and Heritage NSW 2011, pp. 26).

The results of this assessment identified two existing Aboriginal sites (AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02) within the study area; no further Aboriginal sites or areas of archaeological potential were identified. As identified in the background research and through Aboriginal community consultation, the region containing the study area, particularly to the north and west, contains a range of sites, landforms and landscapes that are significant to local Aboriginal groups. Therefore, this assessment has been able to further our knowledge of Aboriginal archaeology in the area, by highlighting the environmental and cultural significance of the surrounding landscape and how this may have been intertwined with the current study area.

6.2. Avoiding harm to Aboriginal heritage

As part of the current subdivision design, harm cannot be avoided to Aboriginal sites within the study area as a part of the proposed works. Therefore, mitigation measures and recommendations have been developed (Section 6.3 and Section 7).

6.3. 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.

Application for an AHIP to impact sites within the study area

Isolated find sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 have been previously recorded within the study area. These sites could not be relocated by Biosis during the field survey, existed in areas that have undergone moderate level of disturbances, and have been assessed to hold low scientific significance. As impacts to cannot be avoided to these sites, an AHIP should be sought to permit impact to these sites through the proposed development. As part of the AHIP, salvage through community collection of AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 should be undertaken to ensure that artefacts associated with these sites can be recovered prior to impacts. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).
- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

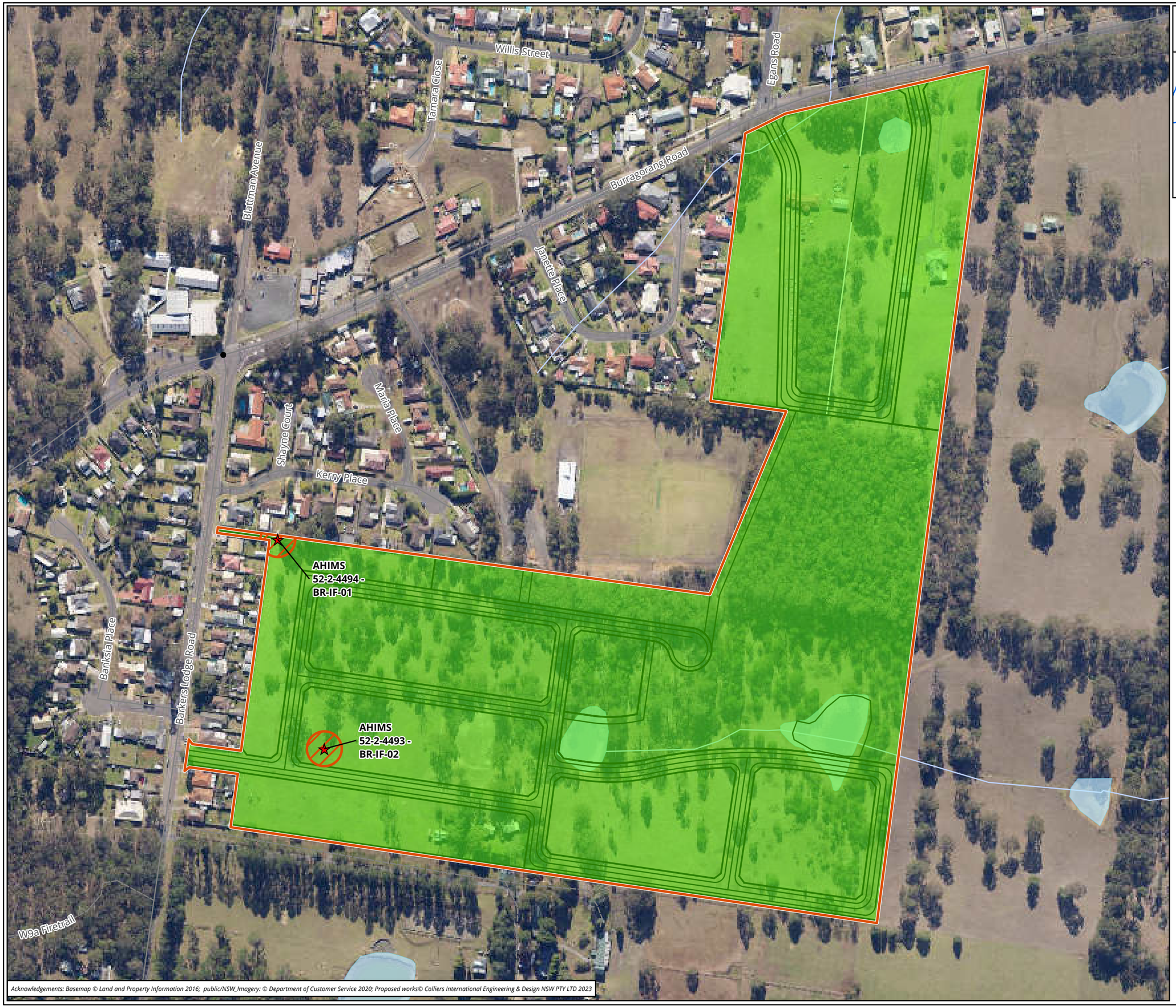
Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed and included in a construction management plan for the proposed development.

Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.



Legend

Study area

Archaeological potential

Low potential

AHIMS sites within the study area

AHIMS sites

15 metre site buffer

Figure 5 Impact assessment

0 20 40 60 80

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

N

biosis

Matter: 39164, Date: 10 November 2023,
Prepared for: CG, BB. Prepared by: HL, Last edited by: jtownsend
Location: P:\39100s\39164\Mapping\
39164_HL_OakdalePlanningProposalACHAandHHA,
Layout: 39164_ACHA_F5_ImpactAssessment

Acknowledgements: Basemap © Land and Property Information 2016; public/NSW_Imagery: © Department of Customer Service 2020; Proposed works© Colliers International Engineering & Design NSW PTY LTD 2023

7. Recommendations

The recommendations below respond specifically to the wishes of the RAPs. Recommendations regarding the archaeological value of the site, and the subsequent management of Aboriginal cultural heritage is provided in the archaeological report (Appendix E).

Recommendation 1: Application for an Aboriginal Heritage Impact Permit (AHIP) to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02

An AHIP is required for any activities likely to have an impact on Aboriginal objects or places or cause land to be disturbed for the purposes of discovering an Aboriginal object. Heritage NSW issues AHIPs under Part 6 of the NPW Act.

It is recommended that Colliers apply to Heritage NSW for an AHIP to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. The AHIP should allow for impacts to both sites through the proposed works. The AHIP should be for a period of 10 years.

As part of the AHIP, salvage through community collection of AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 should be undertaken to ensure that artefacts associated with these sites can be recovered prior to impacts. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Advice preparing AHIPs

AHIPs should be prepared by a qualified archaeologist and lodged with Heritage NSW. Once the application is lodged processing time can take between eight and 12 weeks. It should be noted that there will be an application fee levied by the Heritage NSW for the processing of AHIPs, which is dependent on the estimated total cost of the development project.

Where there are multiple sites within one study area an application for an AHIP to cover the entire study area is recommended.

Recommendation 2: Areas identified as having low archaeological potential

No further investigations are required for areas assessed as having low archaeological potential. This recommendation is conditional upon Recommendations 3 and 4.

Recommendation 3: Mitigating impacts to Aboriginal cultural heritage

The following measures should be undertaken to mitigate impacts of the proposed development to Aboriginal cultural heritage.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).
- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed, and included in a construction management plan for the proposed development (see Recommendations 5 and 6).

Recommendation 4: Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.

Recommendation 5: Discovery of Unanticipated Aboriginal Objects

All Aboriginal objects and Places are protected under the NSW NPW Act. It is an offence to knowingly disturb an Aboriginal site without a consent permit issued by the Heritage NSW. 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 object the archaeologist will provide further recommendations. These may include notifying the Heritage NSW and Aboriginal stakeholders.

Recommendation 6: Discovery of human remains

If any suspected human remains are discovered during any activity works, all activity in the vicinity must cease immediately. The remains must be left in place and protected from harm or damage. The following contingency plan describes the immediate actions that must be taken in instances where human remains or suspected human remains are discovered. Any such discovery at the study area must follow these steps:

1. **Discovery:** If suspected human remains are discovered all activity in the vicinity must stop to ensure minimal damage is caused to the remains; and the remains must be left in place, and protected from harm or damage.
2. **Notification:** Once suspected human skeletal remains have been found, the Coroner's Office and the NSW Police must be notified immediately. Following this, the find will be reported to the Aboriginal parties and Heritage NSW.

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APPENDICES

Appendix A. 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
Heritage NSW Parramatta Office	09/06/2023, email	13/06/2023, email	Provided RAP list for Wollondilly LGA
Native Title Services CORP Limited	09/06/2023, email	-	-
National Native Title Tribunal	09/06/2023, email	09/06/2023, email	Named the Gundungurra Area Agreement.
Office of the Registrar, Department of Aboriginal Affairs	09/06/2023, email	-	-
Greater Sydney Local Land Services	09/06/2023, email	09/06/2023, email	"GS LLS feels that it is not a primary source of contact for First Nations (Aboriginal) communities or persons that may inform or provide comment on development or planning issues. GS LLS strongly recommends you contact Heritage NSW to seek their advice on all-inclusive contact lists of persons and organisations who 'speak for Country' and that may assist with your investigation."
Tharawal Local Aboriginal Land Council	09/06/2023, email	-	-
Wollondilly Shire Council	09/06/2023, email	-	-

Step 2: Public advertisement

The public notice was published in the *District Reporter* on 23 June 2023. A copy of the advertisement is provided in Appendix B.

Step 3: Registration of interest.

The registration period ran from the 26 June 2023 to 10 July 2023. 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	26/06/2023, email	-	-
Amanda Hickey Cultural Services	26/06/2023, email	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
Aragung Aboriginal Cultural Heritage Site Asssessments	26/06/2023, email	05/07/2023, email	Registered interest
B.H. Heritage Consultants	26/06/2023, email	-	-
Bariyan Cultural Conntections	26/06/2023, email	27/06/2023, email	Registered interest
Barking Owl Aboriginal Corporation	26/06/2023, email	-	-
Barraby Cultural Services	26/06/2023, email	-	-
Bidjawong Aboriginal Corporation	26/06/2023, email	-	-
Butucarbin Aboriginal Corporation	26/06/2023, email	26/06/2023, email	Registered interest
Clive Freeman	26/06/2023, email	-	-
Corroboree Aboriginal Corporation	26/06/2023, email	-	-
Cubbitch Barta	26/06/2023, post	06/07/2023, email	Registered interest
Darug Boorooberongal Elders Aboriginal Corporation	26/06/2023, email	-	-
Darug Land Observations	26/06/2023, post	-	-
D'harawal Mens Aboriginal Corporation	26/06/2023, post	-	-
Dharramalin	26/06/2023, email	26/06/2023, email	Registered interest
Dharug Ngurra Aboriginal Corporation	26/06/2023, email	-	-
Didge Ngunawal Clan	26/06/2023, email	26/06/2023, email	Registered interest
Galamaay Cultural Consultants (GCC)	26/06/2023, email	-	-
Gali Heritage Consultants	26/06/2023, email	04/07/2023, email	Registered interest
Garrara Aboriginal Corporation	26/06/2023, email	-	-
Gilay Consultants	26/06/2023, email	30/06/2023, email	Registered interest
Ginninderra Aboriginal Corporation	26/06/2023, email	-	-
Goodradigbee Cultural & Heritage Aboriginal Corporation	26/06/2023, email	-	-
Guntawang Aboriginal Resources Incorporated	26/06/2023, email	26/06/2023, email	Registered interest
Gunya Aboriginal Cultural Heritage Services PTY LTD	26/06/2023, email	-	-
James Davis	26/06/2023, email	-	-
Kamilaroi Yankuntjatjara Working Group	26/06/2023, email	27/06/2023, email	Registered interest
Konanggo Aboriginal Cultural Heritage Services	26/06/2023, email	26/06/2023, email	Registered interest
Mundawari Heritage Consultants	26/06/2023, email	26/06/2023, email	Registered interest
Mura Indigenous Corporation (icn:8991)	26/06/2023, email	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
Murra Bidgee Mullangari Aboriginal Corporation	26/06/2023, email	-	-
Ngambaa Cultural Connections	26/06/2023, email	13/07/2023, email	Registered interest
RAW Cultural Healing	26/06/2023, email	26/06/2023, email	Registered interest
Teena Riley	26/06/2023, email	-	-
Tharawal Local Aboriginal Land Council	26/06/2023, email	-	-
Thawun Aboriginal Consultancy	26/06/2023, email	-	-
Thomas Dahlstrom	26/06/2023, email	28/06/2023, email	Registered interest
Thoorga Nura	26/06/2023, email	-	-
Timothy Stubbs	26/06/2023, email	03/07/2023, email	Registered interest
Waawaar Awaa Aboriginal Corporation	26/06/2023, email	-	-
Wallanbah Aboriginal Site Conveyancing	26/06/2023, email	27/06/2023, email	Registered interest
Wori Wooilywa	26/06/2023, email	-	-
Wurrumay Pty Ltd	26/06/2023, email	-	-
Yulay Cultural Services	26/06/2023, email	04/07/2023, email	Registered interest
Yurrandaali	26/06/2023, email	-	-

Stage 2: Presentation of information about the proposed project

Step 1: Provision of project information pack

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

Organisation contacted	Date and type of contact	Date and type of response	Response details
Aragung Aboriginal Cultural Heritage Site Assessments	18/07/2023, email	-	-
Bariyan Cultural Connections	18/07/2023, email	19/07/2023, email	"On behalf of Bariyan Cultural Connections we have read and agree with the project information and assessment methodology"
Butucarbin Aboriginal Corporation	18/07/2023, email	-	-
Confidential Party	18/07/2023, email	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
Cubbitch Barta	18/07/2023, email	-	-
Dharramalin	18/07/2023, email	-	-
Didge Ngunawal Clan	18/07/2023, email	11/07/2023, email	"We are happy from our own with everything"
Gali Heritage Consultants	18/07/2023, email	-	-
Gilay Consultants	18/07/2023, email	-	-
Kamilaroi Yankuntjatjara Working Group	18/07/2023, email	08/08/2023, email	"Thank you for your report, the study area is highly significant and sensitive to us Aboriginal people. Waterways are within and surrounding the study area which is highly important to us and would have been utilised for hunting, fishing, camping, ceremonies, and potential burial sites. Therefore, we would like to agree and support your test methodology to investigate further. Regarding long-term mango of any artefacts found, I recommend reburial or to be kept at LALC. We look forward to working alongside you on this project."
Konanggo Aboriginal Cultural Heritage Services	18/07/2023, email	-	-
Mundawari	18/07/2023, email	15/07/2023, email	"After reviewing the methodology MHC is in support of the process to complete the survey and test excavations for Burragorang Road and Barkers Lodge Road, Oakdale."
Ngambaa Cultural Connections	18/07/2023, email	-	-
RAW Cultural Healing	18/07/2023, email	-	-
Tharawal Local Aboriginal Land Council	18/07/2023, email	-	-
Thomas Dalhstrom	18/07/2023, email	-	-
Timothy Stubbs	18/07/2023, email	-	-
Wallanbah Aboriginal Site Conveyancing	18/07/2023, email	-	-
Yulay Cultural Services	18/07/2023, email	-	-

Stage 3: Gathering information about cultural significance

Step 1- Provision of project methodology pack and consultation meeting

A copy of the methodology pack is provided in Appendix C and a copy of the covering email is provided following.

Organisation contacted	Date and type of contact	Date and type of response	Response details
Aragung Aboriginal Cultural Heritage Site Assessments	18/07/2023, email	-	-
Bariyan Cultural Connections	18/07/2023, email	19/07/2023, email	"On behalf of Bariyan Cultural Connections we have read and agree with the project information and assessment methodology"
Butucarbin Aboriginal Corporation	18/07/2023, email	-	-
Confidential Party	18/07/2023, email	-	-
Cubbitch Barta	18/07/2023, email	-	-
Dharramalin	18/07/2023, email	-	-
Didge Ngunawal Clan	18/07/2023, email	11/07/2023, email	"We are happy from our own with everything"
Gali Heritage Consultants	18/07/2023, email	-	-
Gilay Consultants	18/07/2023, email	-	-
Kamilaroi Yankuntjatjara Working Group	18/07/2023, email	08/08/2023, email	"Thank you for your report, the study area is highly significant and sensitive to us Aboriginal people. Waterways are within and surrounding the study area which is highly important to us and would have been utilised for hunting, fishing, camping, ceremonies, and potential burial sites. Therefore, we would like to agree and support your test methodology to investigate further. Regarding long-term mango of any artefacts found, I recommend reburial or to be kept at LALC. We look forward to working alongside you on this project."
Konanggo Aboriginal Cultural Heritage Services	18/07/2023, email	-	-
Mundawari	18/07/2023, email	15/07/2023, email	"After reviewing the methodology MHC is in support of the process to complete the survey and test excavations for Burragorang Road and Barkers Lodge Road, Oakdale."
Ngambaa Cultural Connections	18/07/2023, email	-	-

Organisation contacted	Date and type of contact	Date and type of response	Response details
RAW Cultural Healing	18/07/2023, email	-	-
Tharawal Local Aboriginal Land Council	18/07/2023, email	-	-
Thomas Dalhstrom	18/07/2023, email	-	-
Timothy Stubbs	18/07/2023, email	-	-
Wallanbah Aboriginal Site Conveyancing	18/07/2023, email	-	-
Yulay Cultural Services	18/07/2023, 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
Kamilaroi Yankuntjatjara Working Group	05/12/2023, email	05/12/2023	"Thank you for your ACHA, we would like to agree and support your recommendations re 155-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW. We look forward to working alongside you on this project."
Bariyan Cultural Connections	06/11/2023, email	-	"I have read and reviewed the draft ACHA and Archaeological Report (AR) and I have no comments at the moment."

Appendix B. Stage 1: Notification of project proposal and registration of interest

9 June 2023

National Native Title Tribunal
GPO Box 9973
Sydney NSW 2001

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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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:

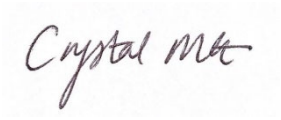
Colliers International Engineering & Design (NSW) Pty Ltd
Nikta Pilbala
Planner/Urban Development Adviser
(02) 9869 1855
NPilbala@crhodes.com.au

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 **5:00 pm 23 June 2023** to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

If you have any queries regarding the project, please don't hesitate to contact me on the above details provided, or alternatively the main office number on (02) 9101 8700.

Yours sincerely,



Crystal Garabedian
Heritage Consultant

9 June 2023

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

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Our Ref: Matter: 39164

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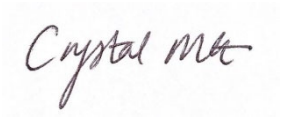

Crystal Garabedian
Heritage Consultant

9 June 2023

Heritage NSW
PO Box 644
Parramatta NSW 2124

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Our Ref: Matter: 39164

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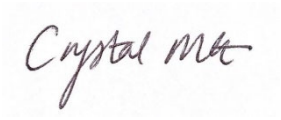

Crystal Garabedian
Heritage Consultant

9 June 2023

Wollondilly Shire Council
PO Box 21
Picton NSW 2571

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Our Ref: Matter: 39164

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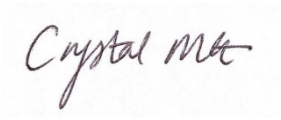

Crystal Garabedian
Heritage Consultant

9 June 2023

Greater Sydney Local Land Services
PO Box 600
Wyong NSW 2259

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Our Ref: Matter: 39164

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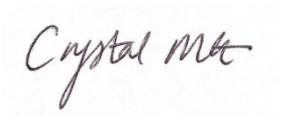

Crystal Garabedian
Heritage Consultant

9 June 2023

Tharawal Local Aboriginal Land Council
PO Box 168
Picton NSW 2571

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Our Ref: Matter: 39164

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As per section 4.1 of the consultation requirements, Biosis wish to invite Tharawal 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 Oakdale area. If you could please provide contact details for any such Aboriginal people or organisations by **5:00 pm 23 June 2023** it would be greatly appreciated.

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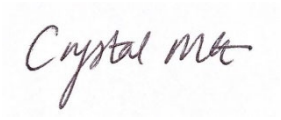

Crystal Garabedian
Heritage Consultant

From:	Bronte Baonza
To:	council@wollondilly.nsw.gov.au
Subject:	31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
Date:	Friday, 9 June 2023 2:39:35 PM
Attachments:	39164.Oakdale.ACHA.Stage1.1.Agencies.FIN00.20230609.pdf

Good afternoon,

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Kind Regards,

Bronte Baonza

From:	Bronte Baonza
To:	heritagemailbox@environment.nsw.gov.au
Subject:	31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
Date:	Friday, 9 June 2023 2:39:34 PM
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To:	adminofficer@oralra.nsw.gov.au
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Bronte Baonza

From:	Bronte Baonza
To:	admin.greatersydney@lls.nsw.gov.au
Subject:	31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
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Kind Regards,

Bronte Baonza

From: Bronte Baonza
To: Geospatial Search Requests; Enquiries
Subject: 39164 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
Date: Friday, 9 June 2023 2:42:12 PM
Attachments: image447051.png
image424261.png
image125345.png
image064034.png
image573989.png
image360235.png
image019560.png
image774764.png
39164.Oakdale.ACHA.Stage1.1.Agencies.FIN00.20230609.pdf
39164.Oakdale.ACHA.Geospatial.DFT00.20230516.pdf

Bronte Baonza
Graduate Heritage Consultant

0438 191 025
(02) 4201 1090
BBaonza@biosis.com.au

Leaders in Ecology and Heritage Consulting

Biosis acknowledges the Aboriginal and Torres Strait Islander people as Traditional Custodians of the country on which we live and work.
We pay our respects to the Traditional Custodians and Elders past, present and future, and honour their connection to the land and ongoing contribution to society.

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.

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Friday, 9 June 2023 2:40 PM
To: Bronte Baonza <BBaonza@biosis.com.au>
Subject: 31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

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Biosis is assisting (Colliers), on behalf of Morehuman, 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). Biosis is assisting (Colliers), on behalf of Morehuman, 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).

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 Oakdale area. If you could please provide contact details for any such Aboriginal people or organisations by 5:00pm 23 June 2023 it would be greatly appreciated.

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 5:00 pm 23 June 2023 to:
Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au
If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.

Kind Regards,

Bronte Baonza
Bronte Baonza
Graduate Heritage Consultant

0438 191 025
(02) 4201 1090
BBaonza@biosis.com.au

Leaders in Ecology and Heritage Consulting

Biosis acknowledges the Aboriginal and Torres Strait Islander people as Traditional Custodians of the country on which we live and work.
We pay our respects to the Traditional Custodians and Elders past, present and future, and honour their connection to the land and ongoing contribution to society.

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.

From: Bronte Baonza
To: reception@tharawal.com.au
Subject: 39164 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
Date: Friday, 9 June 2023 2:29:32 PM
Attachments: image086000.png
image526812.png
image433573.png
image219140.png
39164.Oakdale.ACHA.Stage1.1.LALC.FIN00.20230609.pdf

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As per section 4.1 of the consultation requirements, Biosis wish to invite Tharawal 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 Oakdale area. If you could please provide contact details for any such Aboriginal people or organisations by 5:00 pm 23 June 2023 it would be greatly appreciated.

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Kind Regards,

Bronte Baonza
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Graduate Heritage Consultant

0438 191 025
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NSW GOVERNMENT Heritage NSW
Department of Planning and Environment

Our reference: Doc23/512546

Crystal Garabedian
Heritage Consultant
Biosis Pty Ltd
14/17–27 Power Avenue
Alexandria NSW 2015

13/6/2023

Dear Crystal,

WRITTEN NOTIFICATION OF PROPOSAL AS REQUIRED UNDER DECCW ABORIGINAL CULTURAL HERITAGE CONSULTATION REQUIREMENTS FOR PROPONENTS 2010

Subject: Burragorang Road and 1838 Barkers Lodge Road, Oakdale.

Thank you for your correspondence dated 9 June 2023 to Heritage NSW (Department of Planning and Environment) regarding the above project.

Attached is a list of known Aboriginal Stakeholders for the proposed development at the **Wollondilly** Local Government Area that Heritage NSW considers likely to have an interest in the activity.

Please note this list is not necessarily an exhaustive list of all interested Aboriginal Stakeholders.

Receipt of this list does not remove the requirement of a proponent/ consultant to advertise in local print media and contact other bodies seeking interested Aboriginal parties, in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (April 2010).

Under Section 4.1.6. of the Consultation Requirements, you must also provide a copy of the names of each Aboriginal person who registered an interest to the relevant Heritage NSW office and Local Aboriginal Land Council (LALC) within 28 days from the closing date for registering an interest.

Please note that the contact details in the list provided by Heritage NSW may be out of date as it relies on Aboriginal stakeholders advising Heritage NSW when their details need changing. If individuals/companies undertaking consultation are aware that any groups contact details are out of date, or letters are returned unopened, please contact either the relevant stakeholder group (if you know their more current details) and/or Heritage NSW. AHIP applicants should make a note of any group they are unable to contact as part of their consultation record.

If you have any questions about this advice, please email: heritagemailbox@environment.nsw.gov.au or contact (02) 9873 8500.

Yours sincerely

Barry Gunther, Aboriginal Senior Assessment Officer
Environment and Heritage – Heritage NSW
Department of Planning and Environment
Aboriginal Heritage Regulation Branch – South Heritage NSW

Attachment A:

Registered Aboriginal Interests DPE Aboriginal Stakeholders List for the **Wollondilly** Local Government Area.

LIST OF ABORIGINAL STAKEHOLDERS FOR THE DEPARTMENT of PLANNING and ENVIRONMENT (DPE) SOUTHERN REGION HELD BY DPE FOR THE PURPOSES OF THE OEH *ABORIGINAL CULTURAL HERITAGE CONSULTATION REQUIREMENTS FOR PROPONENTS 2010*

These lists are provided to proponents in accordance with section 4.1.2 of the *Aboriginal Cultural Heritage Consultation Requirements* for *Proponents 2010* (the "Consultation Requirements") which commenced on 12 April 2010.

The consultation process involves getting the views of, and information from, Aboriginal people and reporting on these. It is not to be confused with other field assessment processes involved in preparing a proposal and an application. Consultation does not include the employment of Aboriginal people to assist in field assessment and/or site monitoring. Aboriginal people may provide services to proponents through a contractual arrangement however, this is separate from consultation. The proponent is not obliged to employ those Aboriginal people registered for consultation. Consultation as per these requirements will continue irrespective of potential or actual employment opportunities for Aboriginal people.

A copy of the Consultation Requirements can be found on the OEH website at:
http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreq.pdf.

Under the Consultation Requirements; a proponent is required to provide Aboriginal people who may hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places as relevant to the proposed project area, with an opportunity to be involved in consultation. Section 3.3.1 of the Consultation Requirements states that Aboriginal people who can provide this information are, based on Aboriginal lore and custom, the traditional owners or custodians of the land that is the subject of the proposed project.

The Consultation Requirements also state that:

> *Traditional owners or custodians with appropriate cultural heritage knowledge to inform decision making who seek to register their interest as an Aboriginal party are those people who:*
> - *continue to maintain a deep respect for their ancestral belief system, traditional lore and custom*
> - *recognise their responsibilities and obligations to protect and conserve their culture and heritage and care for their traditional lands or Country*
> - *have the trust of their community, knowledge and understanding of their culture, and permission to speak about it.*

Please note: the placement of an organisation's name on any OEH Aboriginal stakeholder list for the Consultation Requirements does not override a proponent's requirement to also advertise in the local newspaper and to seek from other sources the names of any other Aboriginal people who may hold cultural knowledge as required under clause 60 of the National Parks and Wildlife Regulation 2019.

How to use this list

1. **Contact the organisations/individuals who have indicated an interest in the relevant LGA/s and invite them to register an interest in your project**

Do not reproduce the attached list in publicly available reports and other documents. Your report should only contain the names of the organisations and individuals who you have invited to register an interest in your project and those who have registered as stakeholders for your project.

Last updated March 2023

Aboriginal Stakeholders – Wollondilly Local Government Area.

A1 Indigenous Services	Carolyn Hickey	cazadirect@live.com	-	0411 650 057	-	10 Marie Pitt Place, Glenmore Park, NSW, 2745	-
Amanda Hickey Cultural Services	Amanda Hickey	amandahickey@live.com.au	-	0434 480 588	-	57 Gough Steet, Emu Plains, NSW, 2750	-
Aragung Aboriginal Cultural Heritage Site Assessments	Jamie Eastwood	James.eastwood@y7mail.com	(02) 9832 3732	0427 793 334	-	33 Bulolo Drive, Whalan, NSW, 2770	-
B.H. Heritage Consultants	Ralph Hampton ; Nola Hampton	hamptonralph46@gmail.com kinghampton77@gmail.com	-	RH: 0435 785 138 NH: 0401 662 531	-	184 Captain Cook Drive, Willmot, 2770, NSW 95 Mount Ettalong Road, Umina Beach, 2257, NSW	Nola and Ralph would BOTH like to be notified of all projects
Barking Owl Aboriginal Corporation	Mrs Jody Kulakowski (Director)	barkingowlcorp@gmail.com	-	0426 242 015	-	2-65/69 Wehlow St. Mt Druitt	-
Barraby Cultural Services	Lee Field (Manager)	barrabyculturalservices@gmail.com	-	0431 314 892	-	334 Argyle Street, Picton NSW 2571	-
Bidjawong Aboriginal Corporation	James Carroll	jrcarroll888@gmail.com bidjawong@gmail.com	-	0433 224 324	-	22 McKinley Place Cherrybrook NSW 2126	Prefer email contact
Butucarbin Aboriginal Corporation	Jennifer Beale	butuheritage@gmail.com	(02)98 32 7167	-	-	PO Box E18, Emerton, NSW 2770	Preferred contact via email
Clive Freeman	Clive Freeman	clive.freeman@y7mail.com	(02) 4442 1117	0437 721 481	-	6 Dhugan Close Wreck Bay Aboriginal Community JBT 2540	-
Corroboree Aboriginal Corporation	Marilyn Carroll-Johnson	corroboreecorp@outlook.com	(02) 8824 324	0415 911 159	-	PO BOX 344 LITHGOW NSW 2790	-

Cubbitch Barta	Glenda Chalker ; Rebecca Chalker	-	-	-	-	55 Nightingale Rd, Pheasants Nest NSW 2574 99 Menangle street, Picton 2571	-
D'harawal Mens Aboriginal Corporation	Elwyn Brown	-	-	0401 920 982	-	187 Riverside Drive, Airds NSW 2560	-
Darug Boorooberongal Elders Aboriginal Corporation	Paul Hand (chairperson)	paulhand1967@gmail.com	-	0456 786 738	-	PO.Box 14 Doonside NSW 2767	-
Darug Land Observations	Jamie Workman; Anna Workman; Anna O'Hara	daruglandobservations@gmail.com	-	0418 494 951 0413 687 279	-	PO Box 173, Ulladulla, NSW 2539 PO Box 2006 Bendelong NSW 2539	-
Dharug Ngurra Aboriginal Corporation	Dirk Schmitt	archaeology@dharugngurra.org.au	(02) 9622 4081	-	-	PO Box 441, Blacktown NSW 2148	-
Didge Ngunawal Clan	Lillie Carroll ; Paul Boyd	didgengunawalclan@yahoo.com.au	-	0426 823 944 ; 0450 616 404	-	33 Carlyle Crescent Cambridge Gardens NSW 2747	-
Galamaay Cultural Consultants (GCC)	Robert Slater	galamaay@hotmail.com	-	0401 871 526	-	121 Roberts Street, Tamworth NSW 2340	-
Garrara Aboriginal Corporation	Raymond Ingrey	raymond@bariyu.org.au	-	-	-	-	-
Gilay Consultants	Carol Slater	cal.slater61@gmail.com	-	0478 583 565	-	6 MacGibbon Parade, Old Erowal Bay NSW 2540	-
Ginninderra Aboriginal Corporation	Steven Johnson; Krystle Carroll	Ginninderra.corp@gmail.com	-	0406 991 221	-	PO BOX 3143 Grose Vale NSW 2754	-

Goodradigbee Cultural & Heritage Aboriginal Corporation	Caine Carroll	goodradigbee1@outlook.com	-	0410 974 236	-	1 Morilla Road, East Kurrajong NSW 2758	-
Guntawang Aboriginal Resources Incorporated	Wendy Morgan	Wenlissa01@hotmail.com	(02) 9601 7183	0414 964 657	-	113 Reservoir Road Mt Pritchard NSW 2170	-
Gunya Aboriginal Cultural Heritage Services PTY LTD	Adam Gunther	gunya.ach@gmail.com	-	0492 232 606	-	15 Bungonia Street Prestons NSW 2170	-
James Davis	James Davis	jvdcorp@hotmail.com	-	0423 715 395	-	2 Poplar Ave, Unanderra NSW 2526	-
Kamilaroi Yankuntjatjara Working Group	Phil Khan	philipkhan.acn@live.com.au	-	0434 545 982	-	78 Forbes Street, Emu Plains, NSW 2750	-
Konanggo Aboriginal Cultural Heritage Services	Robert Young	konanggo_consultancy@hotmail.com	-	0450 497 270	-	2/42 Crawford Road, Brighton Le Sands 2216 NSW	-
Mundawari Heritage Consultants	Dean Delponte	mundawari.hc@gmail.com	-	0413 186 133	-	245 Ash Road Prestons NSW 2170	-
Mura Indigenous Corporation (icn:8991)	Phillip Carroll	mura.cultureservices@gmail.com	-	0447512397	-	66 Montague Street Goulburn 2580	-
Murra Bidgee Mullangari Aboriginal Corporation	Darleen Johnson ; Ryan Johnson	murrabidgeemullangari@yahoo.com.au	-	0490 051 102 0475 565 517 0497 983 332	-	PO Box 3035 Rouse Hill NSW 2155	-
Ngambaa Cultural Connections	Kaarina Slater	ngambaa.culturalconnections@gmail.com	-	0421 077 521	-	Unit 29,11 Phillip Street St Marys NSW 2760	-

Tharawal Local Aboriginal Land Council	Robyn Straub (CEO)	ceo@tharawal.com.au reception@tharawal.com.au	(02) 4681 0059	-	-	PO Box 245 Thirlmere NSW 2572	-
Thawun Aboriginal Consultancy	Jason Mitchell	jason.mitchell9@outlook.com Thawunconsultancy@outlook.com	-	0401 517 998	-	35 Bronzewing st Tahmoor NSW 2573	-
Thomas Dahlstrom Offers ACH value by using 3D Laser and Drone technology	Thomas Dahlstrom	gamila_roi@yahoo.com.au	-	0403 529 119 Offers ACH value by using 3D Laser and Drone technology	-	1-122 Glebe Point Road Glebe NSW 2037	-
Thoorga Nura	John Carriage (Chief Executive Officer)	thoorganura@gmail.com	-	0401 641 299	-	50B Hilltop Crescent, Surf Beach, 2536, NSW	-
Timothy Stubbs	Timothy Stubbs	tmsbrick@hotmail.com	-	0450 442 745	-	29 Cathy RAPList[@[ID]:[Postal Address]]Street Blaxland 2774 NSW	-

Waawaar Awaa Aboriginal Corporation	Rodney Gunther Barry Gunther	Waawaar.awaa@gmail.com	-	RG: 0410580962 BG: 0451 176 473	-	15 Bungonia Street Prestons NSW 2170	-
Wori Wooilywa	Daniel Chalker	woriwooilywa@gmail.com	-	0409 006 216	-	261 Mockingbird Rd Pheasants Nest NSW 2574	-
Wurrumay Pty Ltd	Kerrie Slater; Vicky Slater	wurrumay31@outlook.com	-	0421 077 521	-	89 Pyramid Street, Emu Plains NSW 2750	-
Yulay Cultural Services	Arika Jalomaki (Manager)	yulayculturalservices@gmail.com	-	0481 251 385 0411 048 794	-	28 Poplar Street North St Mary's NSW 2760 15 Rowley Place, Airds NSW 2560	-
Yurrandaali	Bo Field (Manager)	yurrandaali_cs@hotmail.com	-	0403 048 263	-	6 MacGibbon Parade, Old Erowal Bay NSW 2540	-
Bariyan Cultural Connections	Kayelene Terry	bariyan.culturalconnections@gmail.com	-	0412 061 893	-	-	-
Wallanbah Aboriginal Site Conveyancing	Kelvin Boney	kelvingoogieboney@gmail.com	-	0432 143 205	-	-	-
RAW Cultural Healing	Raymond Weatherall	RAW.CulturalHealing@hotmail.com		0411 962 602		8 Rosslyn Dr, Claymore NSW 2559 PO Box N74, Campbelltown North NSW 2560	
Teena Riley	Teena Riley	Teena.riley@outlook.com					

Dharramalin	**Gary Dunn**	**Dharramalin.culture@gmail.com**		**0432688673**		**10 kew way airds 2560**	
Gali Heritage Consultants	**Helen Slater**	**Helens27@outlook.com**		**0431 232 560**		**7 Sutton Place Minto NWS 2566.**	

From:	Barry Gunther
To:	Crystal Garabedian
Subject:	DPE Aboriginal stakeholders for 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW.
Date:	Wednesday, 14 June 2023 8:57:57 AM
Attachments:	39164.Oakdale.ACHA.Stage1.1.Agencies.FIN00.20230609.pdf Aboriginal Stakeholder letter Burragorang Road and 1838 Barkers Lodge Road, Oakdale.docx Aboriginal Stakeholder List- Wollondilly Local Government Area - LIST OF ABORIGINAL STAKEHOLDERS FOR THE DEPARTMENT of PLANNING and ENVIRONMENT.docx

Hi Crystal,

Please find attached the DPE Aboriginal stakeholders for 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW.

regards

Barry Gunther, Aboriginal Senior Assessment Officer
Environment and Heritage – Heritage NSW
Department of Planning and Environment
T: 02 9995 6830 | barry.gunther @environment.nsw.gov.au
Heritage.nse.gov.au and dpie.nsw.gov.au
Locked Bag 5020
Parramatta NSW 2124

Heritage NSW Department of Planning and Environment

Please lodge all Applications to Heritagemailbox@environment.nsw.gov.au

Website Facebook Instagram LinkedIn

The Heritage Management System is live from 31 May. More information is available here

I acknowledge and respect the traditional custodians and ancestors of the lands I work across.
Heritage NSW and coronavirus (COVID-19)
Heritage NSW has taken steps to protect the safety, health and wellbeing of our staff, communities and customers. Whilst our offices remain open, we have put in place flexible working arrangements for our teams across NSW and continue to adapt our working arrangements as necessary. Face-to-face meetings and field work/site visits with our customers are subject to rules on gatherings and social distancing measures. We thank you for your patience and understanding at this time.

This email is intended for the addressee(s) named and may contain confidential and/or privileged information.
If you are not the intended recipient, please notify the sender and then delete it immediately.
Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the NSW Office of

Environment, Energy and Science.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

From: LLS Admin GreaterSydney Mailbox
To: Crystal Garabedian
Cc: Bronte Baonza
Subject: Re: 31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies
Date: Friday, 9 June 2023 3:59:15 PM
Attachments: image339606.png
image212624.png
image942260.png
image059845.png
Outlook-NSW Govern.png
Outlook-of40pti0.png
Outlook-ifa0sncl.png
Outlook-04befgre.png
Outlook-q1b0c0gh.png

Dear Crystal

Thank you for your recent letter seeking assistance to identify Aboriginal stakeholder organisations and persons who may hold an interest in Country at the project area designated in your correspondence.

Greater Sydney Local Land Services (GS LLS) acknowledges that Local Land Services (formerly as Catchment Management Authorities) has been listed in Section 4.1.3.(g) of the Aboriginal Cultural Heritage Consultation requirements for proponents 2010, to support Part 6, of the NSW National Parks and Wildlife Act 1974 as a source of information to obtain the 'names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places'.

GS LLS understands and respects the significant role and values that tangible and intangible Aboriginal Cultural Heritage holds for First Nations/Aboriginal people with Country. GS LLS also partners with many First Nations communities on Caring for Country projects that aim to protect and enhance those tangible and intangible values in Country including Aboriginal Cultural Heritage. GS LLS considers Aboriginal Cultural Heritage matters in relation to its role in land management and considers cultural heritage issues in the context of Natural Resource Management.

However, GS LLS feels that it is not a primary source of contact for First Nations (Aboriginal) communities or persons that may inform or provide comment on development or planning issues.

GS LLS strongly recommends you contact Heritage NSW to seek their advice on all-inclusive contact lists of persons and organisations who 'speak for Country' and that may assist with your investigation.

Regards

Customer Service Team
Local Land Services | Greater Sydney
Department of Regional NSW

Telephone 02 4724 2100

Level 4, 2-6 Station Street Penrith
PO Box 4515 WESTFIELD PENRITH

Office Hours: 8.30am - 4.30pm

E: admin.greatersydney@lls.nsw.gov.au | **W:** www.lls.nsw.gov.au

Department of Regional NSW

You can also get in touch with us is through our online enquiry form

How would you rate our service today?

Your opinion is valuable and will help us improve our service

Greater Sydney Local Land Services acknowledges we operate in and deliver services throughout Country of First Nations people in the Greater Sydney Region. We recognise and respect Elders and cultural knowledge holders, past and present, while acknowledging the unique and diverse enduring cultures and histories of all First Nations people.
Always was and always will be Aboriginal land.

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Friday, 9 June 2023 2:39 PM
To: LLS Admin GreaterSydney Mailbox <admin.greatersydney@lls.nsw.gov.au>
Subject: 31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au
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Bronte Baonza
Bronte Baonza
Graduate Heritage Consultant

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From: Geospatial Search Requests
To: Crystal Garabedian
Cc: Bronte Baonza
Subject: RE: SR23/935 - 39164 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies - SR23/935 [SEC=OFFICIAL]
Date: Friday, 9 June 2023 5:04:40 PM
Attachments: image001.png
image002.png
image003.png
image004.png

OFFICIAL

Your ref: *39164* **Our ref:** *SR23/935*

Dear Crystal Garabedian**,**

Thank you for your search request, please find your results below.

Search Results
The results provided are based on the information you supplied and are derived from a search of the following Tribunal databases:

- Schedule of Native Title Determination Applications
- Register of Native Title Claims
- Native Title Determinations
- Indigenous Land Use Agreements (Registered and notified)

Results for overlapping native title matters in NSW:

Feature ID	Tenure	Cadastre Data As At	Feature Area SqKm	Overlapping Native Title Feature				
1//DP734561	FREEHOLD	4/05/2023	0.0259	**NNTT File Number**	**Name**	**Category**	**Overlap Area SqKm**	**% Selected Feature**
				NI2014/001	Gundungurra Area Agreement	ILUAs	0.0259	100.00%
2//DP734561	FREEHOLD	4/05/2023	0.0296	**NNTT File Number**	**Name**	**Category**	**Overlap Area SqKm**	**% Selected Feature**
				NI2014/001	Gundungurra Area Agreement	ILUAs	0.0296	100.00%
6//DP734561	FREEHOLD	4/05/2023	0.1714	**NNTT File Number**	**Name**	**Category**	**Overlap Area SqKm**	**% Selected Feature**
				NI2014/001	Gundungurra Area Agreement	ILUAs	0.1714	100.00%

For more information about the Tribunal's registers or to search the registers yourself and obtain copies of relevant register extracts, please visit our website.

Information on native title claims and freehold land can also be found on the Tribunal's website here: Native title claims and freehold land .

Please note: There may be a delay between a native title determination application being lodged in the Federal Court and its transfer to the Tribunal. As a result, some native title determination applications recently filed with the Federal Court may not appear on the Tribunal's databases.

The search results are based on analysis against external boundaries of applications only. Native title applications commonly contain exclusions clauses which remove areas from within the external boundary. To determine whether the areas described are in fact subject to claim, you need to refer to the "Area covered by claim" section of the relevant Register Extract or Schedule Extract and any maps attached.

Search results and the existence of native title
Please note that the enclosed information from the Register of Native Title Claims and/or the Schedule of Applications is **not** confirmation of the existence of native title in this area. This cannot be confirmed until the Federal Court makes a determination that native title does or does not exist in relation to the area. Such determinations are registered on the National Native Title Register.

The Tribunal accepts no liability for reliance placed on enclosed information
The enclosed information has been provided in good faith. Use of this information is at your sole risk. The National Native Title Tribunal makes no representation, either express or implied, as to the accuracy or suitability of the information enclosed for any particular purpose and accepts no liability for use of the information or reliance placed on it.

If you have any further queries, please do not hesitate to contact us via GeospatialSearch@NNTT.gov.au

Regards,

Geospatial Searches
National Native Title Tribunal | Perth
Email: GeospatialSearch@nntt.gov.au | **www.nntt.gov.au**

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Friday, 9 June 2023 12:42 PM
To: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>; Enquiries <Enquiries@nntt.gov.au>
Subject: SR23/935 - 39164 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Caution: This is an external email. DO NOT click links or open attachments unless you recognise the sender and know the content is safe.

Bronte Baonza
Graduate Heritage Consultant

0438 191 025
(02) 4201 1090
BBaonza@biosis.com.au

Leaders in Ecology and Heritage Consulting

Biosis acknowledges the Aboriginal and Torres Strait Islander people as Traditional Custodians of the country on which we live and work.
We pay our respects to the Traditional Custodians and Elders past, present and future, and honour their connection to the land and ongoing contribution to society.

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

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From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Friday, 9 June 2023 2:40 PM
To: Bronte Baonza <BBaonza@biosis.com.au>
Subject: 31964 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment—Notification to Agencies

Good afternoon,

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the Environmental Planning and Assessment Act 1979 (EP&A Act).

Biosis is assisting (Colliers), on behalf of Morehuman, 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). Biosis is assisting (Colliers), on behalf of Morehuman, 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).

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 Oakdale area. If you could please provide contact details for any such Aboriginal people or organisations by 5:00pm 23 June 2023 it would be greatly appreciated.

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 5:00 pm 23 June 2023 to:
Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au
If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.

Kind Regards,

Bronte Baonza
Bronte Baonza
Graduate Heritage Consultant

0438 191 025
(02) 4201 1090
BBaonza@biosis.com.au

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26 June 2023

Carolyn Hickey
A1 Indigeous Services
10 Marie Pitt Place, Glenmore Park
NSW 2745

Dear Carolyn,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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On behalf of Colliers, and Morehuman, Biosis therefore invites 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.

If you wish to register your interest, please provide your contact details in writing via post or email by **5:00 pm 10 July 2023** to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Craig & Rhodes
Nikta Pilbala
Planner/Urban Development Adviser
(02) 9869 1855
NPilbala@crhodes.com.au

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 Heritage NSW and Tharawal Local Aboriginal Land Council (LALC). If you do not want your details forwarded on to the Heritage NSW and LALC please notify Biosis at the time of your registration.

If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Amanda Hickey
Amanda Hickey Cultural Services
57 Gough Street, Emu Plains
NSW2750

Dear Amanda,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jamie Eastwood
Aragung Aboriginal Cultural Heritage Site Asssessments
33 Bulolo Drive, Whalan
NSW 2770

Dear Jamie,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Ralph Hampton
B.H. Heritage Consultants
184 Captain Cook Drive, Willmot
NSW 2770

Dear Ralph,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Nola Hampton
B.H. Heritage Consultants
95 Mount Ettalong Road, Umina Beach
NSW 2257

Dear Nola,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jody Kulalkowski
Barking Owl Aboriginal Corporation
2-65/69 Wehlow Street, Mt Druitt

Dear Jody,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Lee Field
Barraby Cultural Services
334 Argyle Street, Picton
NSW 2571

Dear Lee,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

James Carroll
Bidjawong Aboriginal Corporation
22 McKinley Place, Cherrybrook
NSW 2126

Dear James,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jennifer Beale
Butucarbin Aboriginal Corporation
PO Box E1, Emerton
NSW 2770

Dear Jennifer,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Clive Freeman
Clive Freeman
6 Dhugan Close, Wreck Bay Aboriginal Community
JBT 2540

Dear Clive,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Marilyn Carroll-Johnson
Corroboree Aboriginal Corporation
PO Box 344 Lithgow
NSW 2790

Dear Marilyn,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Paul Haand
Darug Boorooberongal Elders Aboriginal Corporation
PO Box 14 Doonside
NSW 2767

Dear Paul,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jamie Workman
Darug Land Observations
PO Box 173, Ulladulla, NSW 2539

Dear Jamie,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Anna O'Hara
Darug Land Observations
PO Box 173, Ulladulla, NSW 2539

Dear Anna,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Anna Workman
Darug Land Observations
PO Box 2006 Bendelong NSW 2539

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Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Dirk Schmitt
Dharug Ngurra Aboriginal Corporation
PO Box 441, Blacktown NSW 2148

Dear Dirk,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Lillie Carroll and Paul Boyd
Didge Ngunawal Clan
33 Carlyle Crescent Cambridge Gardens NSW 2747

Dear Lillie Carroll and Paul Boyd,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Robert Slater
Galamaay Cultural Consultants (GCC)
121 Roberts Street, Tamworth NSW 2340

Dear Robert,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Raymond Ingrey
Garrara Abroginal Corporation

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Carol Slater
Gilay Consultants
6 MacGibbon Parade, Old Erowal Bay NSW 2540

Dear Carol,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Steven Johnson and Krystle Carroll
Ginninderra Aboriginal Corporation
PO BOX 3143 Grose Vale NSW 2754

Dear Steven Johnson and Krystle Carroll,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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Craig & Rhodes
Nikta Pilbala
Planner/Urban Development Adviser
(02) 9869 1855
NPilbala@crhodes.com.au

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Caine Carroll
Goodradigbee Cultural & Heritage Aboriginal Corporation
1 Morilla Road, East Kurrajong NSW 2758

Dear Caine,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Wendy Morgan
Guntawang Aboriginal Resources Incorporated
113 Reservoir Road Mt Pritchard, NSW 2170

Dear Wendy,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Adam Gunther
Gunya Aboriginal Cultural Heritage Services PTY LTD
15 Bungonia Street Prestons NSW 2170

Dear Adam,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

James Davis
James Davis
2 Poplar Ave, Unanderra
NSW 2526

Dear James,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Phil Khan
Kamilaroi Yankuntjatjara Working Group
78 Forbes Street, Emu Plains, NSW 2750

Dear Phil,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Robert Young
Konanggo Aboriginal Cultural Heritage Services
2/42 Crawford Brighton Le Sands NSW 2170

Dear Robert,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Dean Delponte
Mundawari Heritage Consultants
245 Ash Road Prestons NSW 2170

Dear Dean,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Phillip Carroll
Mura Indigenous Corporation (icn:8991)
66 Montague Street Goulburn 2580

Dear Phillip,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Darleen and Ryan Johnson
Murra Bidgee Mullangari Aboriginal Corporation
PO Box 3035 Rouse Hill NSW 2155

Dear Darleen and Ryan Johnson,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Kaarina Slater
Ngambaa Cultural Connections
Unit 29,11 Phillip Street St Marys NSW 2760

Dear Kaarina,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Robyn Straub
Tharawal Local Aboriginal Land Council
PO Box 245 Thirlmere NSW

Dear Robyn,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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14/17–27 Power Avenue, Alexandria
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Craig & Rhodes
Nikta Pilbala
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(02) 9869 1855
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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jason Mitchell
Thawun Aboriginal Consultancy
35 Bronzewing st Tahmoor NSW 2573

Dear Jason,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Graduate Heritage Consultant

26 June 2023

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Thawun Aboriginal Consultancy
35 Bronzewing st Tahmoor NSW 2573

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Thomas Dahlstrom
Thomas Dahlstrom
1-122 Glebe Point Road Glebe NSW 2037

Dear Thomas,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

John Carriage
Thoorga Nura
50B Hilltop Crescent, Surf Beach, 2536, NSW

Dear John,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Timothy Stubbs
Timothy Stubbs
29 Cathy Street Blaxland 2774 NSW

Dear Timothy,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Rodney Gunther
Waawaar Awaa Aboriginal Corporation
15 Bungonia Street Prestons NSW 2170

Dear Rodney,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Barry Gunther
Waawaar Awaa Aboriginal Corporation
15 Bungonia Street Prestons NSW 2170

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Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Daniel Chalker
Wori Wooilywa
261 Mockingbird Rd Pheasants Nest NSW 2574

Dear Daniel,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Kerrie and Vicky Slater
Wurrumay Pty Ltd
89 Pyramid Street, Emu Plains NSW 2750

Dear Kerrie and Vicky Slater,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Graduate Heritage Consultant

26 June 2023

Arika Jalomaki
Yulay Cultural Services
28 Poplar Street North St Mary's NSW 2760

Dear Arika,

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Graduate Heritage Consultant

26 June 2023

Bo Field
Yurrandaali
6 MacGibbon Parade, Old Erowal Bay NSW 2540

Dear Bo,

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Kelvin Boney
Wallanbah Aboriginal Site Conveyancing

Dear Kelvin,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Raymond Weatherall
RAW Cultural Healing
8 Rosslyn Dr, Claymore NSW 2559 PO Box N74, Campbelltown North NSW 2560

Dear Raymond,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Kaylene Terry
Bariyan Cultural Conntections

Dear Kaylene,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Teena Riley
Teena Riley

Dear Teena,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Gary Dunn
Dharramalin
10 Key Way, Airds NSW 2560

Dear Gary,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Helen Slater
Gali Heritage Consultants
7 Sutton Place, Minto NSW 2566

Dear Helen,

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Raymond Ingrey
Garrara Aboriginal Corporation

Dear Raymond,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Robyn Straub
Tharawal Local Aboriginal Land Council
PO Box 245 Thirlmere NSW

Dear Robyn,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Robyn Straub
Tharawal Local Aboriginal Land Council
PO Box 245 Thirlmere NSW

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Amanda Hickey
Amanda Hickey Cultural Services
57 Gough Street, Emu Plains
NSW2750

Dear Amanda,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jason Mitchell
Thawun Aboriginal Consultancy
35 Bronzewing st Tahmoor NSW 2573

Dear Jason,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jason Mitchell
Thawun Aboriginal Consultancy
35 Bronzewing st Tahmoor NSW 2573

Dear Jason,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Craig & Rhodes
Nikta Pilbala
Planner/Urban Development Adviser
(02) 9869 1855
NPilbala@crhodes.com.au

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Glenda Chalker
Cubbitch Barta
55 Nightingale Road, Pheasants Nest
NSW 2574

Dear Glenda,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Rebecca Chalker
Cubbitch Barta
99 Menangle Street, Picton
NSW 2571

Dear Rebecca,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Elwyn Brown
D'harawal Mens Aboriginal Corporation
187 Riveside Drive, Airds
NSW 2560

Dear Elwyn,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Jamie Workman
Darug Land Observations
PO Box 173, Ulladulla, NSW 2539

Dear Jamie,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

26 June 2023

Anna O'Hara
Darug Land Observations
PO Box 173, Ulladulla, NSW 2539

Dear Anna,

1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Our Ref: Matter: 39164

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Graduate Heritage Consultant

26 June 2023

Anna Workman
Darug Land Observations
PO Box 2006 Bendelong NSW 2539

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:37 PM
To: ceo@tharawal.com.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39164.Oakdale.ACHA.Stage.1.2.Registration.Letter.DFT01.20230626.pdf

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Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:33 PM
To: Thawunconsultancy@outlook.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39164.Oakdale.ACHA.Stage1.2.Registeration.Letter.DFT01.20230626.pdf

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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:33 PM
To: jason.mitchell9@outlook.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:33 PM
To: amandahickey@live.com.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'Helens27@outlook.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

Good afternoon,

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

If you have any queries regarding the project, please don’t hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.
Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'Dharramalin.culture@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'yurrandaali_cs@hotmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'kelvingoogieboney@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'RAW.CulturalHealing@hotmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'bariyan.culturalconnections@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'teena.riley@outlook.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'yulayculturalservices@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'wurrumay31@outlook.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'woriwooilywa@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'Waawaar.awaa@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'tmsbrick@hotmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'thoorganura@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'gamila_roi@yahoo.com.au'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'Thawunconsultancy@outlook.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:21 PM
To: 'jason.mitchell9@outlook.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

If you have any queries regarding the project, please don’t hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.
Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'ngambaa.culturalconnections@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'murrabidgeemullangari@yahoo.com.au'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'mura.cultureservices@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'mundawari.hc@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'konanggo_consultancy@hotmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'jvdcorp@hotmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'philipkhan.acn@live.com.au'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: 'gunya.ach@gmail.com'
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: wenlissa01@hotmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: goodradigbee1@outlook.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
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To: Ginninderra.corp@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: cal.slater61@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: raymond@bariyu.org.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: galamaay@hotmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Sent: Monday, 26 June 2023 12:20 PM
To: didgengunawalclan@yahoo.com.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: archaeology@dharugngurra.org.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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cgarabedian@biosis.com.au

If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.
Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: daruglandobservations@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: paulhand1967@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: corroboreecorp@outlook.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: clive.freeman@y7mail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: barrabyculturalservices@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: butuheritage@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: barkingowlcorp@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
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Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: kinghampton77@gmail.com
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39163.Oakdale.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:44 PM
To: raymond@bariyu.org.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: 39164.Oakdake.ACHA.Stage1.2.Registration.Letter.DFT01.20230626.pdf

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Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

From: Butucarbin Heritage <butuheritage@gmail.com>
Sent: Monday, 26 June 2023 10:55 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Dear Bronte,

On behalf of Butucarbin, I would like to register interest in this project.

Kind regards,
Jenny

On Mon, Jun 26, 2023 at 12:20 PM Bronte Baonza <BBaonza@biosis.com.au> wrote:

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>
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> Bronte Baonza
> Graduate Heritage Consultant
> **Bronte Baonza**
> Graduate Heritage Consultant
>
> 0438 191 025
> (02) 4201 1090
> BBaonza@biosis.com.au
>
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--
Lowanna Gibson
Project Manager for Butucarbin Cultural Heritage
B.A Archaeology/Anthropology USYD
Juris Doctor UTS

From: carolyn slater <cal.slater61@gmail.com>
Sent: Friday, 30 June 2023 8:25 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: image599581.png

Hi Bronte

Gilay Consultants would like to register their interest and be involved and consulted in the above project please.

Thank you

Carolyn Slater Manager
Gilay Consultants cal.slater61@gmail.com
0478 583 565

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From: Dean Delponte <mundawari.hc@gmail.com>
Sent: Monday, 26 June 2023 2:40 PM
To: Crystal Garabedian
Cc: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Dear Crystal,

Please register Mundawari Heritage Consultants expression of interest for the Burragorang Road/Barkers Lodge Road, Oakdale Development Project.

Kind Regards

Dean Delponte
Director
0413186133
mundawari.hc@gmail.com

MUNDAWARI Heritage Consultants

IMPORTANT: The contents of this email and any attachments are confidential. They are intended for the named recipient(s) only. If you have received this email by mistake, please notify the sender immediately and do not disclose the contents to anyone or make copies thereof.

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> 40 years biosis

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From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Monday, 26 June 2023 1:32 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Hi Bronte

DNC would like to register an interest into 1455-1475 Burragorang Rd & 1838 Barkers Lodge Road, Oakdale

We have previous experience to this area from Kayandel

Kind regards
Paul Boyd & Lilly Carroll
Directors DNC
0426823944

Sent from Yahoo Mail for iPhone

On Monday, June 26, 2023, 12:20 pm, Bronte Baonza <BBaonza@biosis.com.au> wrote:

> Good afternoon,
>
> Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the Environmental Planning and Assessment Act 1979 (EP&A Act).
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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 10 July 2023 to:
>
> Crystal Garabedian
> Biosis Pty Ltd
> 14/17–27 Power Avenue, Alexandria
> cgarabedian@biosis.com.au
>
> If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.
> Yours sincerely,
>
> Bronte Baonza
> Graduate Heritage Consultant
> **Bronte Baonza**
> Graduate Heritage Consultant
>
> 0438 191 025
> (02) 4201 1090
> BBaonza@biosis.com.au

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From: Wendy Morgan
To: Nikta Pilbala
Subject: Expression of interest in the ACHA for Barkers Lodge Rd Oakdale NSW
Date: Monday, 26 June 2023 12:34:00 PM

Hi Crystal and Nikta,

Guntawang Aboriginal Resources Inc would like to express and interest in the ACHA consultation and any field work related to this project.

We have an experience sites officer who has worked on numerous project similar to this project, we live on Dharawal Lands in the Liverpool LGA.

Our preferred consultation process is email along with community consultation.

We look forward to working with you.

Kind regards

Wendy Morgan
CEO GARI
0414 964 657
Sent from Mail for Windows

From: Helen Slater <helens27@outlook.com>
Sent: Tuesday, 4 July 2023 2:29 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Good Evening Bronte

Please register Gali Heritage Consultants for the above project.

On 26 Jun 2023 12:20 pm, Bronte Baonza <BBaonza@biosis.com.au> wrote:

> Good afternoon,
>
> Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman, to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, within the Wollondilly Shire Local Government Area, New South Wales (NSW). The project will be assessed under Part 3 of the Environmental Planning and Assessment Act 1979 (EP&A Act).
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> cgarabedian@biosis.com.au
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> Yours sincerely,
>
> Bronte Baonza
> Graduate Heritage Consultant
> **Bronte Baonza**
> Graduate Heritage Consultant
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> (02) 4201 1090
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From: Kelvin Boney <kelvingoogieboney@gmail.com>
Sent: Tuesday, 27 June 2023 11:22 AM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: image376534.png

I Kelvin Boney would like to register for the ACHA for the above address and I highly qualified within this area and it would be a pleasure not a chore thanks mate Kelvin Boney

On Mon, 26 Jun 2023, 12:21 pm Bronte Baonza, <BBaonza@biosis.com.au> wrote:

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>
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> Graduate Heritage Consultant
> **Bronte Baonza**
> Graduate Heritage Consultant
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> Bi os
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From: Phil Khan <philipkhan.acn@live.com.au>
Sent: Tuesday, 27 June 2023 12:22 PM
To: Bronte Baonza
Subject: RE: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: Public liability 2023 to 2024.pdf; Icare 2023.pdf

Hi Bronte,

Thank you for informing us that **Biosis** will be involved in an Aboriginal Cultural Heritage Assessment at **1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW** &,that you are inviting Aboriginal organisations to register, if they wish too be involved in the community consultation process.

As a senior Aboriginal person for the past 50yrs, I actively participate in the protection of the Aboriginal Cultural Heritage throughout the Sydney Basin, & particularly throughout Western Sydney, on behalf of Kamilaroi Yankuntjatjara Working Group I wish to provide to you my organisation's registration of interest.

I wish to be involved & participate in all levels of consultation/project involvement. I wish to attend all meetings, participate in available field work & receive a copy of the report.

I have attached a copy of Kamilaroi Yankuntjatjara Working group's Public Liability Insurance & Workers Compensation certificate.
Our Rates - $450 half day & $900 full day (Exc. GST)
Our RAPS have up to 15yrs Cultural Heritage experience in – field work which involves manual excavation (digging), sieving , identifying artefacts, setting up transits, setting up equipment, packing equipment, site surveys & attending meetings.

Should you wish me to provide further information, please do not hesitate to contact me on 0434545982 or Stefeanie on 0451068480.

Kind Regards
Phil Khan - Director
Ph: 0434545982
Email: philipkhan.acn@live.com.au

Sent from Mail for Windows 10

From: Bronte Baonza
Sent: Monday, 26 June 2023 12:20 PM
To: philipkhan.acn@live.com.au
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

If you have any queries regarding the project, please don't hesitate to contact Crystal on the above details provided, or alternatively the main office number on (02) 9101 8700.
Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant
Bronte Baonza
Graduate Heritage Consultant

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BBaonza@biosis.com.au

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From: RAW Cultural Healing <RAW.CulturalHealing@hotmail.com>
Sent: Monday, 26 June 2023 2:29 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Can You Register Raw Cultural Healing for All Aspects of this Project Please.
Thankyou
Raymond Weatherall
0411962602

Sent from Outlook for Android

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Monday, June 26, 2023 12:20:32 PM
To: RAW.CulturalHealing@hotmail.com <RAW.CulturalHealing@hotmail.com>
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Graduate Heritage Consultant

Bronte Baonza
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From: Robert Young <konanggo_consultancy@hotmail.com>
Sent: Monday, 26 June 2023 3:19 PM
To: Crystal Garabedian
Cc: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Attachments: Biz Cover 2023 COC.pdf; COI 2023.pdf

Dear Bronte,

I would like to register my Expression Of Interest (EOI) of the proposed 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW project area for the with cultural knowledge relevant to determining the significance of Aboriginal object(s)/and or sites in the vicinity of the study area.
I have cultural knowledge of country and understanding and provide support to country and heritage is protected. I would like to participate on this application and proposal.
If you enquire any more information, please don't hesitate to contact me.

Yours In Culture,

Robert Young
Konanggo Aboriginal Cultural Heritage Services
2/42 Crawford Road, Brighton Le Sands 2216 NSW
Email: konanggo_consultancy@hotmail.com
Phone: 0450497270

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Monday, 26 June 2023 12:20 PM
To: konanggo_consultancy@hotmail.com <konanggo_consultancy@hotmail.com>
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Yours sincerely,

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Bronte Baonza
Graduate Heritage Consultant

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From: tim stubbs <tmsbrick@hotmail.com>
Sent: Monday, 3 July 2023 9:08 PM
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Bronte,

I would like to register as a RAP for the above project.
I look forward to reviewing the methodology

Warm regards,

Tim stubbs

Get Outlook for Android

From: Bronte Baonza <BBaonza@biosis.com.au>
Sent: Monday, June 26, 2023 12:20:31 PM
To: tmsbrick@hotmail.com <tmsbrick@hotmail.com>
Subject: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation

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Yours sincerely,

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Graduate Heritage Consultant

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From: Arika J
To: Bronte Baonza
Subject: Re: 1455–1475 Burragorang Road and 1838 Barkers Lodge Road, Oakdale, NSW: Aboriginal Cultural Heritage Assessment: Invitation to Register for Aboriginal Community Consultation
Date: Tuesday, 4 July 2023 4:54:20 PM
Attachments: image596350.png
image676880.png
image504930.png
image031397.png

Dear Bronte,

Yulay cultural service's would like to register in the above project.

Kind regards
Arika Jalomaki
0481251385

On Mon, 26 Jun 2023 at 12:21 pm, Bronte Baonza <BBaonza@biosis.com.au> wrote:

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>
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> Graduate Heritage Consultant
> **Bronte Baonza**
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--
Arika Jalomaki

Jockey is first past the post at Camden Art Prize

... Continued from page 1

Camden Art Prize Winners:

1: Works On Paper - 'Shorebirds by Doreen' Lyon of Thirlmere

2: Water Colour - 'Vincentia Shoreline' by Brian Stratton of Bringelly

3: Local Artist - 'Intrepid Challenger' by Deborah Heeley of Wilton

4: Open - 'Keira as Elizabeth' by Jade Stein of Wilton

5: Traditional - 'Old Man Saltbush - Lightning Ridge' by David Lake of Newbridge

6: Sculpture - 'Piscine' by Patrice Cooke of Bowral

7: Photography - 'Alone' by Edwin Lim of Elderslie

8: Youth - 'Keira as Elizabeth' by Jade Stein of Wilton

9: Committee Choice - 'Vase of Flowers' by Paula Holliday of Campbelltown

10: Acquisitive Prize (Overall Winner) - 'Intrepid Challenger' by Deborah Heeley of Wilton

Photos: Brett Atkins, Paul Sweeney

Heather Mitchell was warmly welcomed at the Camden Art Prize *(Pictured right)*

Muhammad Riaz Uddin Ahmed: Highly commended, water colour section.

JUDY HANNAN MP
MEMBER FOR WOLLONDILLY

Direct from Judy!

Sharing the infrastructure load

In NSW Parliament recently I put forward an amendment to the State Infrastructure Fund, which is part of the Housing and Productivity Contributions Bill, highlighting some important points.

Presently the people of Wollondilly would actually be glad to not have any development, rather than the development without any infrastructure.

We've had enough and this bill draws a line in the contributions that have sat on the table, inactive. Why? Because, the previous government refused to put it in place. We do understand we need housing, but the system shouldn't be set up for developers to take all of the benefits, but leave nothing behind for the communities that live there. There is a difference between affordability to buy versus affordability to live in the area [especially] for those that can afford to live here. This amendment and bill goes a way to share the load on infrastructure.

The members of the coalition have claimed this will end housing in NSW. I'm not sure how the drop of contributions made for infrastructure, some over $50,000 per block to $12,000 and shared across the state, will cause the sky to fall.

It seems like I'm cynical, but I've seen money drop out of the Western Cities Deal and, except for the liveability fund, Wollondilly has gotten basically nothing. We are as big as the Western Sydney Region, but we lack in resources, including adequate transport, we have a limited hospital and limited high schools.

In my electorate we want to be known as the area for the best infrastructure, not the biggest pot holes. The infrastructure backlog can start to be tackled by the larger regional projects being funded in the outset, not in catch-up as has been the case for decades.

The amendment is in keeping with the Minister's [Minister for Planning, Paul Scully] comments to date and the bill enables funds to be gathered from the Greater Sydney region to be spent on infrastructure projects like the Picton Bypass, a bypass I look forward to turning the dirt on with the minister and Premier.

JUDY'S SURVEY:
Let me know what is most important to you by filling out my survey.
Scan QR Code

Watch here: Scan QR Code
Environmental Planning & Assessment Amendment (Housing and Productivity Contributions) Bill 2023.

Phone: 02 4683 2622 • **Email:** office@judyhannan.com.au • **Website:** www.judyhannan.com.au
Electorate Office: Shop 1/117 Remembrance Driveway, Tahmoor, NSW 2573
Postal: PO Box 1005, Tahmoor, NSW 2573 • **Office Hours:** Mon-Fri, 9am-12noon & 1pm-5pm
JudyH4Dilly judyh.independent

biosis®

NOTIFICATION AND REGISTRATION OF ABORIGINAL INTERESTS

Biosis is undertaking an Aboriginal Cultural Heritage Assessment (ACHA) and possible test excavations to inform the Oakdale Planning Proposal (the project) at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW, within the Wollondilly Shire Local Government Area. Biosis is assisting in community consultation for the ACHA for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers), on behalf of Morehuman (Nikta Pilbala: Colliers, (02) 9869 1855, NPilbala@crhodes.com.au).

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

The purpose of Aboriginal community consultation is to assist Colliers, on behalf of Morehuman, in preparing an application for an Aboriginal Heritage Impact Permit (if required) and to assist Heritage NSW, Department of Planning and Environment in its assessment 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 Crystal Garabedian (14/17–27 Power Avenue, Alexandria, cgarabedian@biosis.com.au, (02) 9101 8700).

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

REGISTRATIONS MUST BE RECEIVED BEFORE 5:00 pm 7th JULY, 2023

Appendix C. Stage 2: Presentation of information about the proposed project and Stage 3: Gathering information about cultural significance

18 July 2023

Glenda Chalker
Cubbitch Barta
55 Nightingale Road, Pheasants Nest
NSW 2574

Dear First Name,

Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

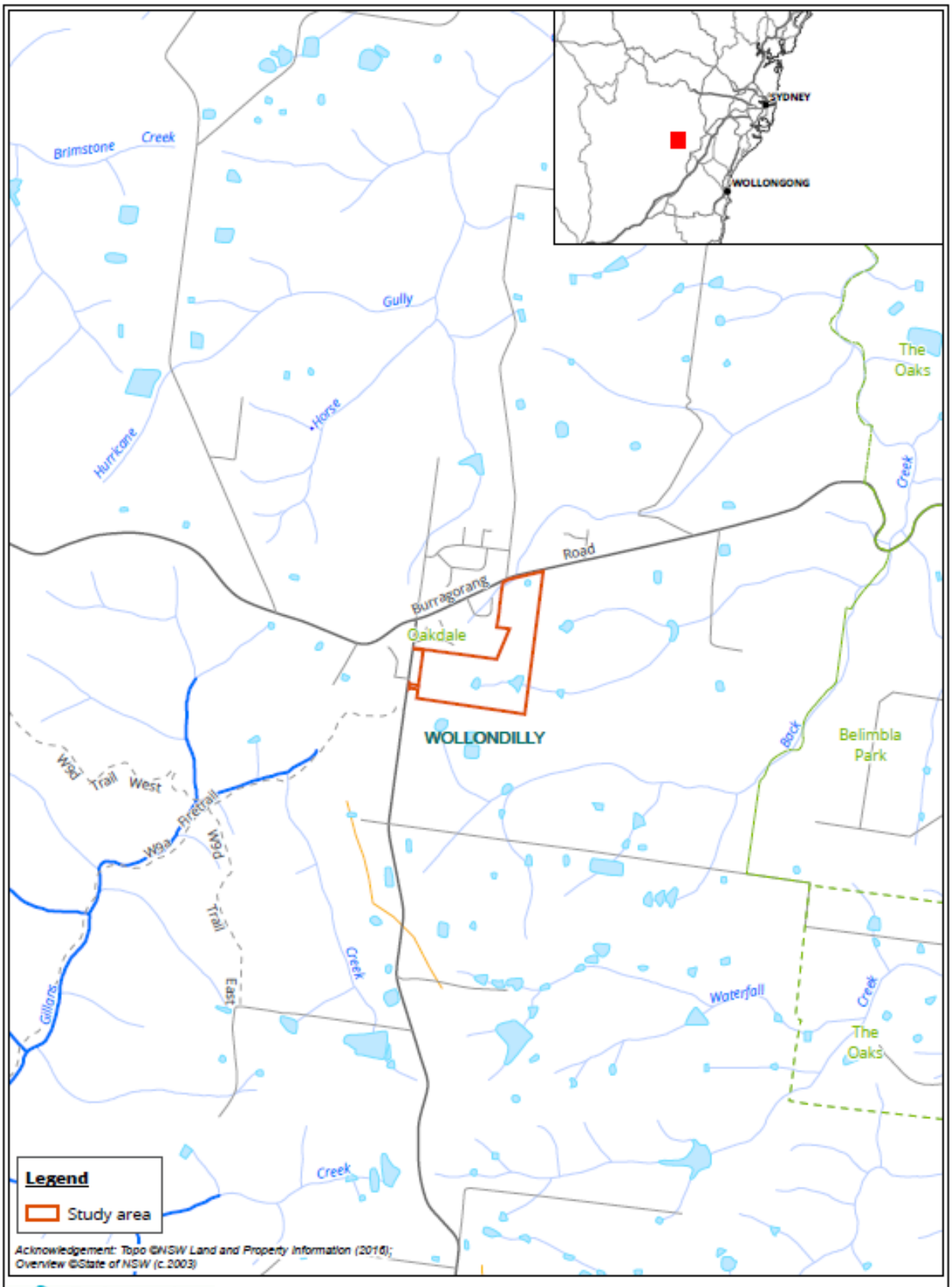
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

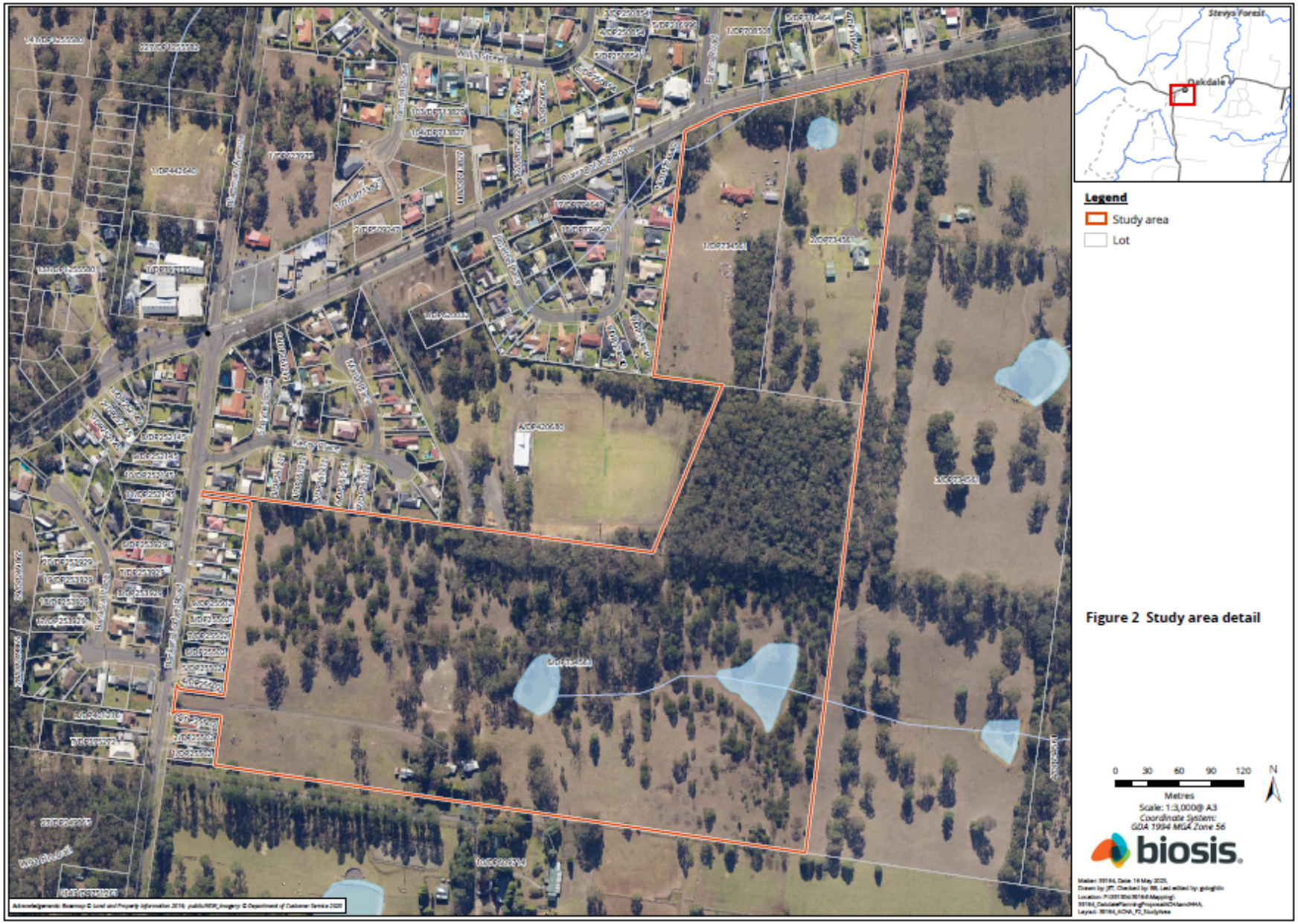
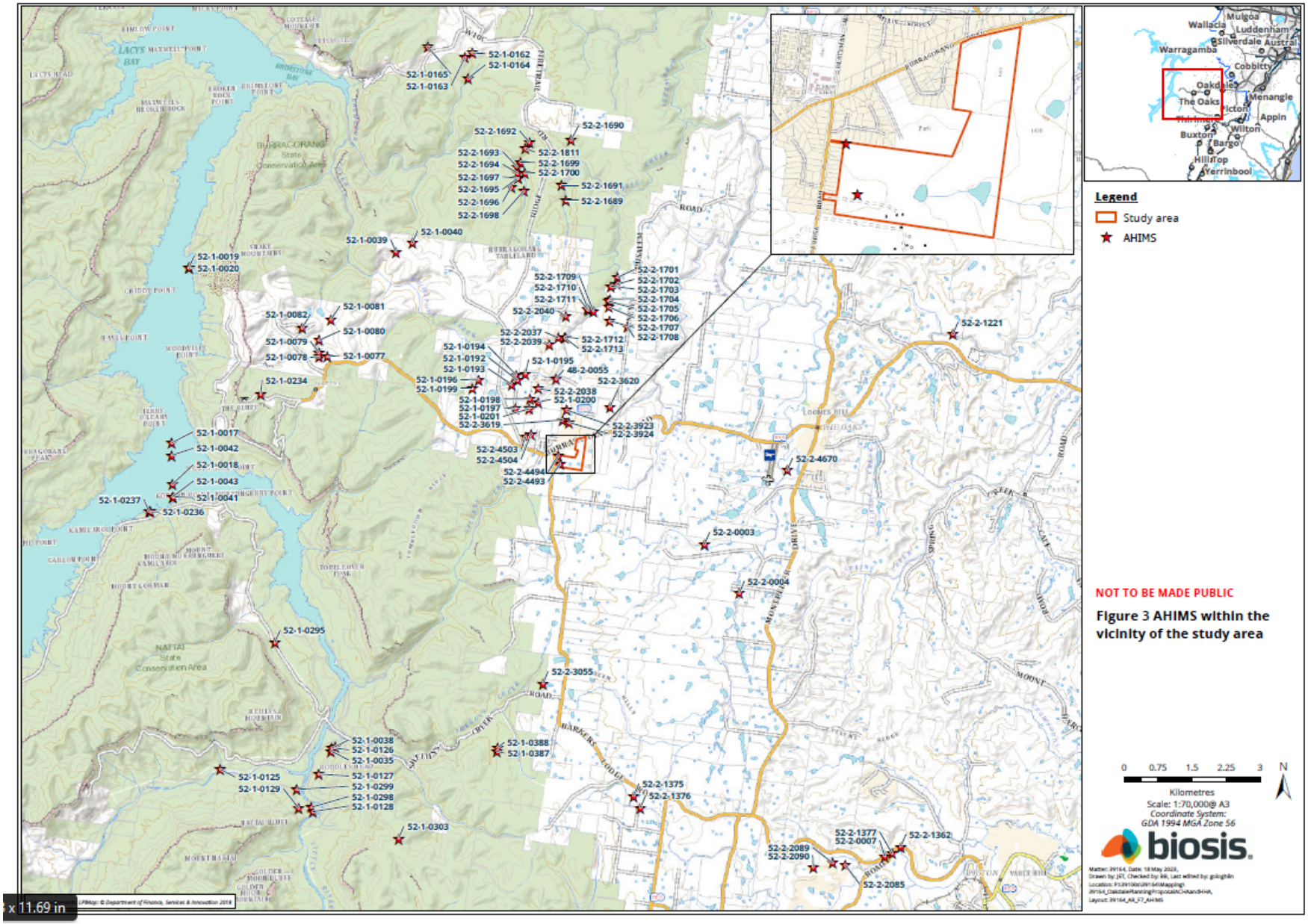


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

18 July 2023

Jamie Eastwood
Aragung Aboriginal Cultural Heritage Site Asssessments
33 Bulolo Drive, Whalan
NSW 2770

Dear First Name,

Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Our Ref: Matter: 39164

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It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

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Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

Project schedule

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

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Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken in accordance with their role specified in section 5 of the consultation requirements.

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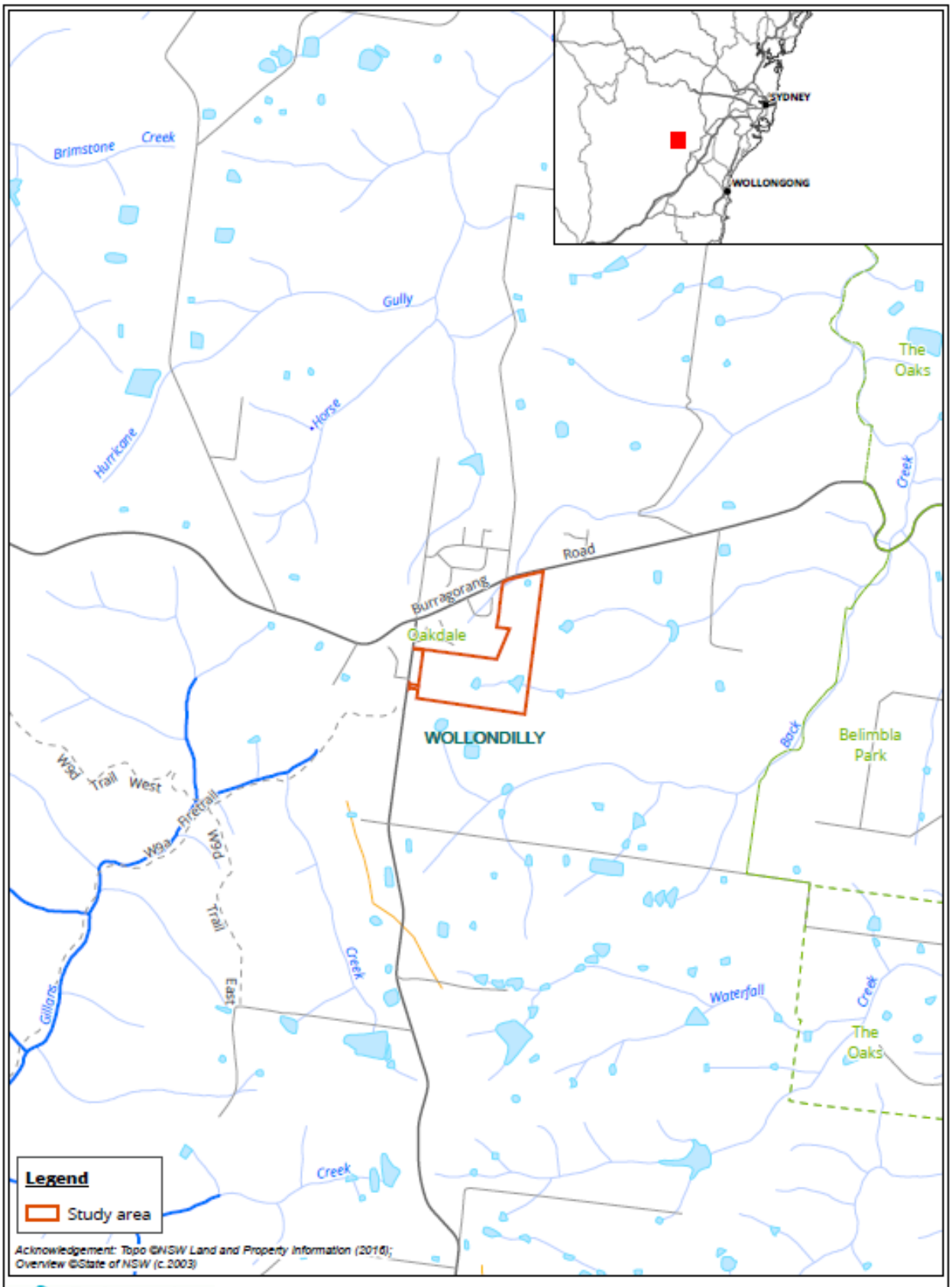
Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email, or phone with regards to this project.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
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biosis
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Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
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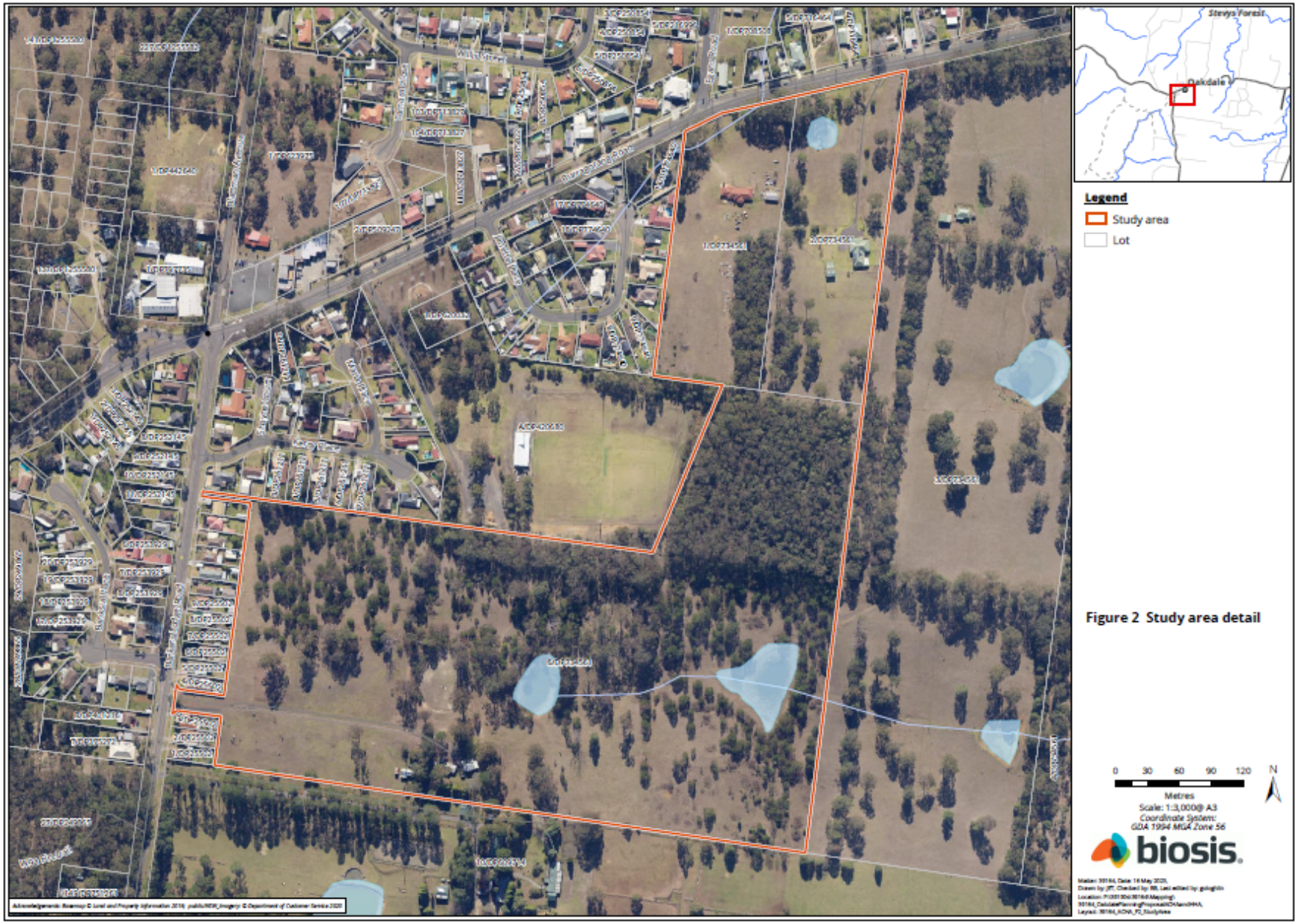
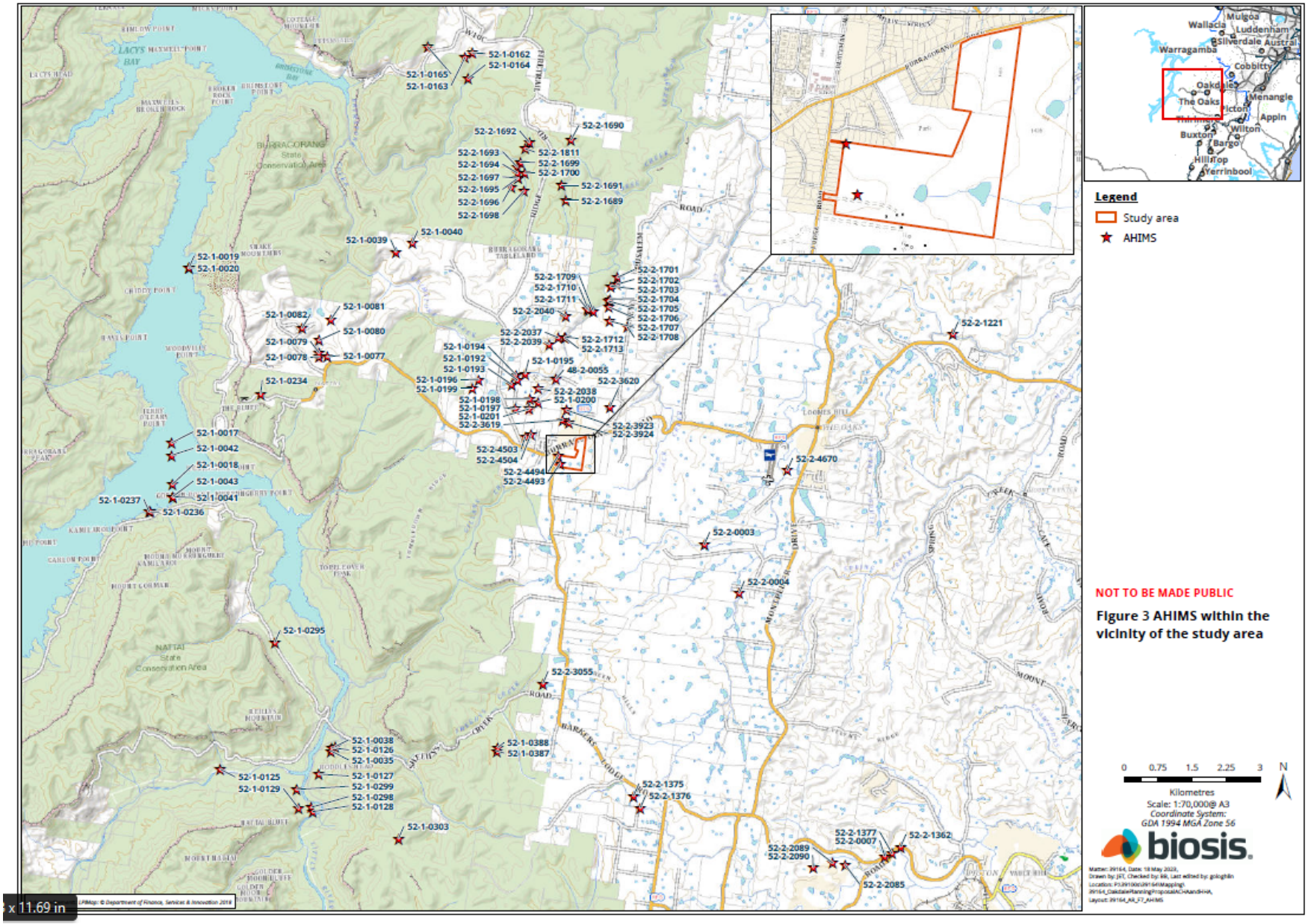


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
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52-2-2040
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52-2-2039
52-2-1712
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52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
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52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

18 July 2023

Kaarina Slater
Ngambaa Cultural Connections
Unit 29,11 Phillip Street St Marys NSW 2760

Dear First Name,

Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

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It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

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- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
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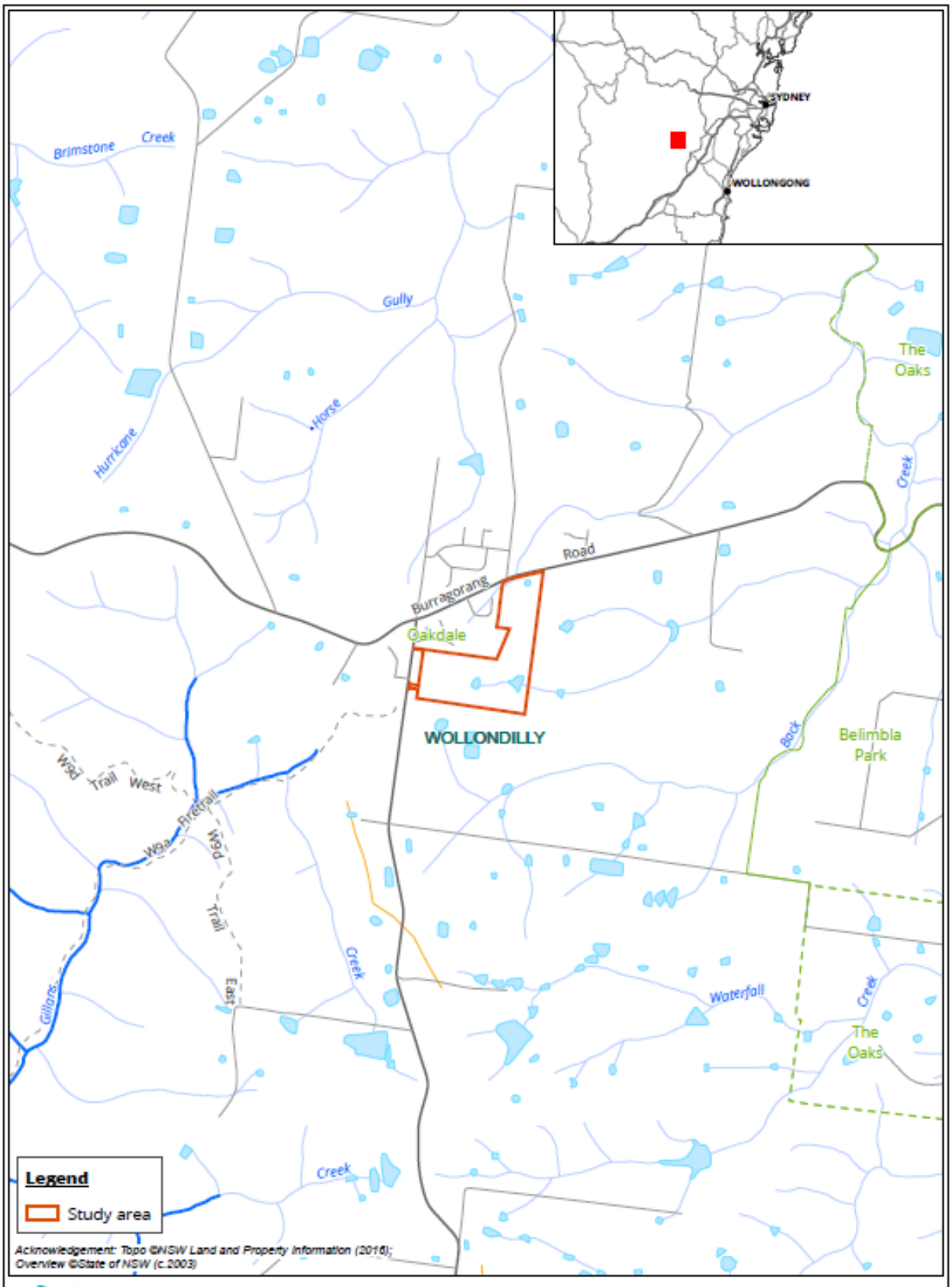
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Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
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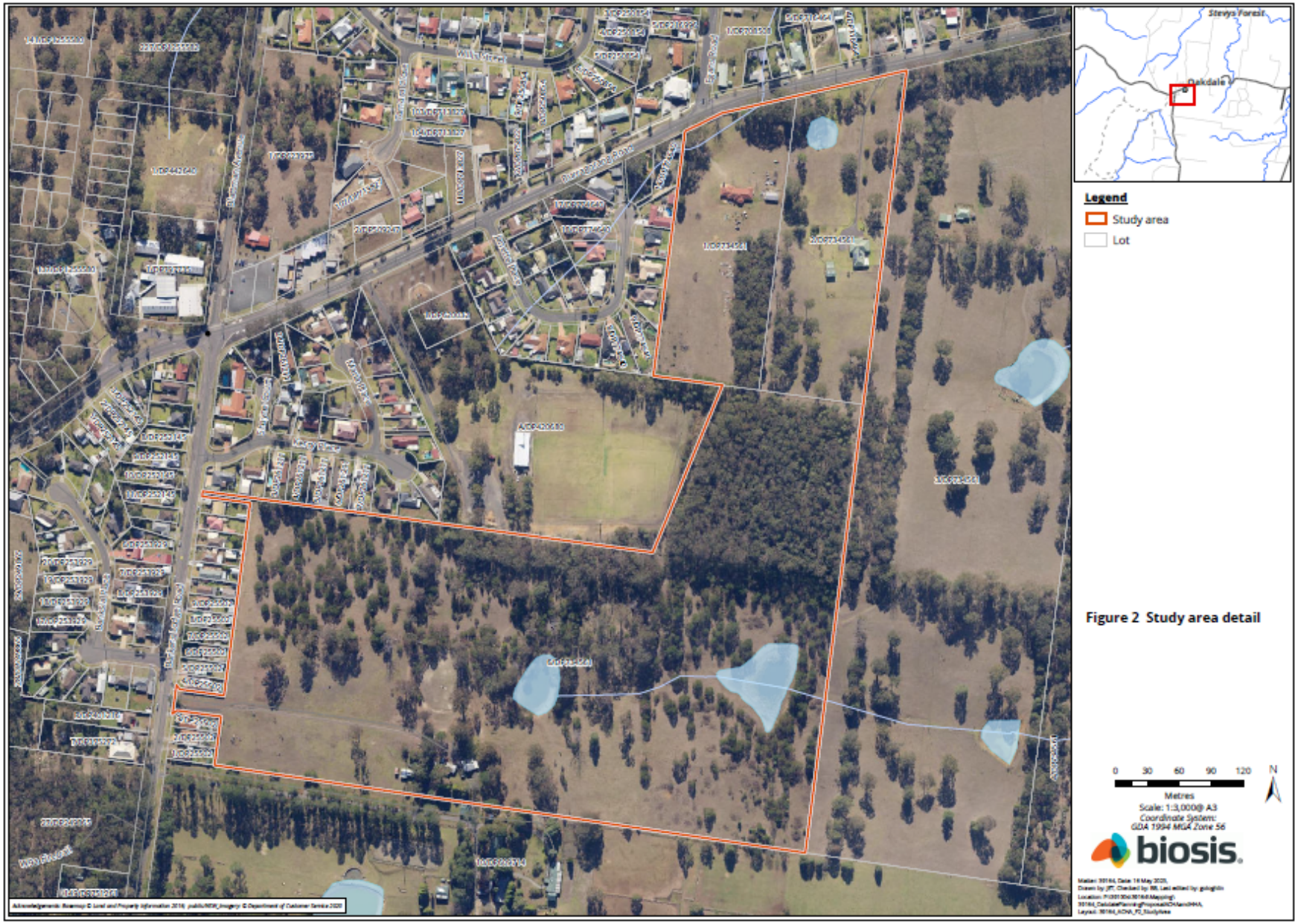
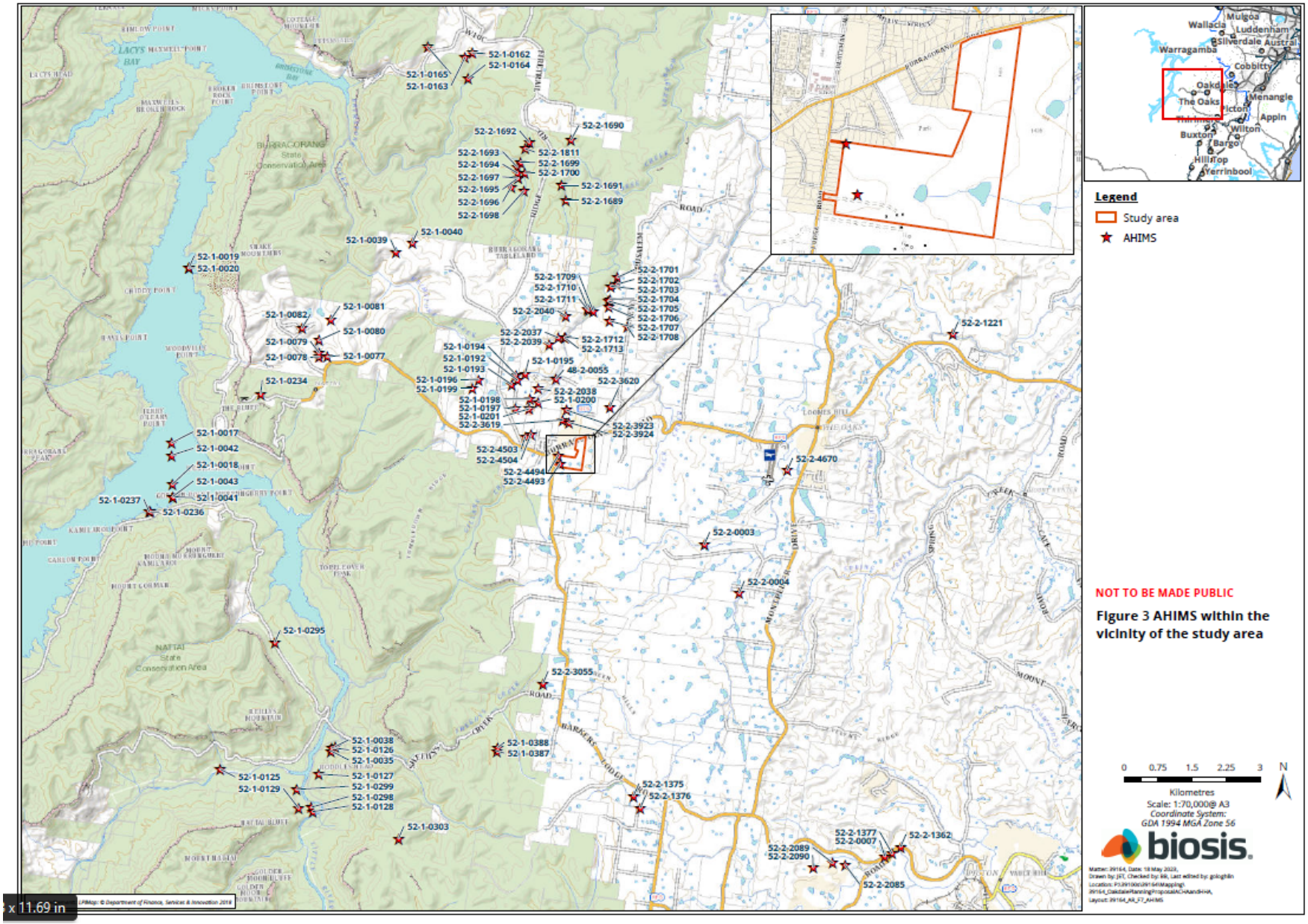


Figure 2 Study area detail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Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
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Kilometres
Scale: 1:70,000@ A3
Coordinate System:
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Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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:

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- 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

18 July 2023

Kaylene Terry
Bariyan Cultural Conntections

Dear First Name,

Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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.

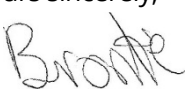
It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,



Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

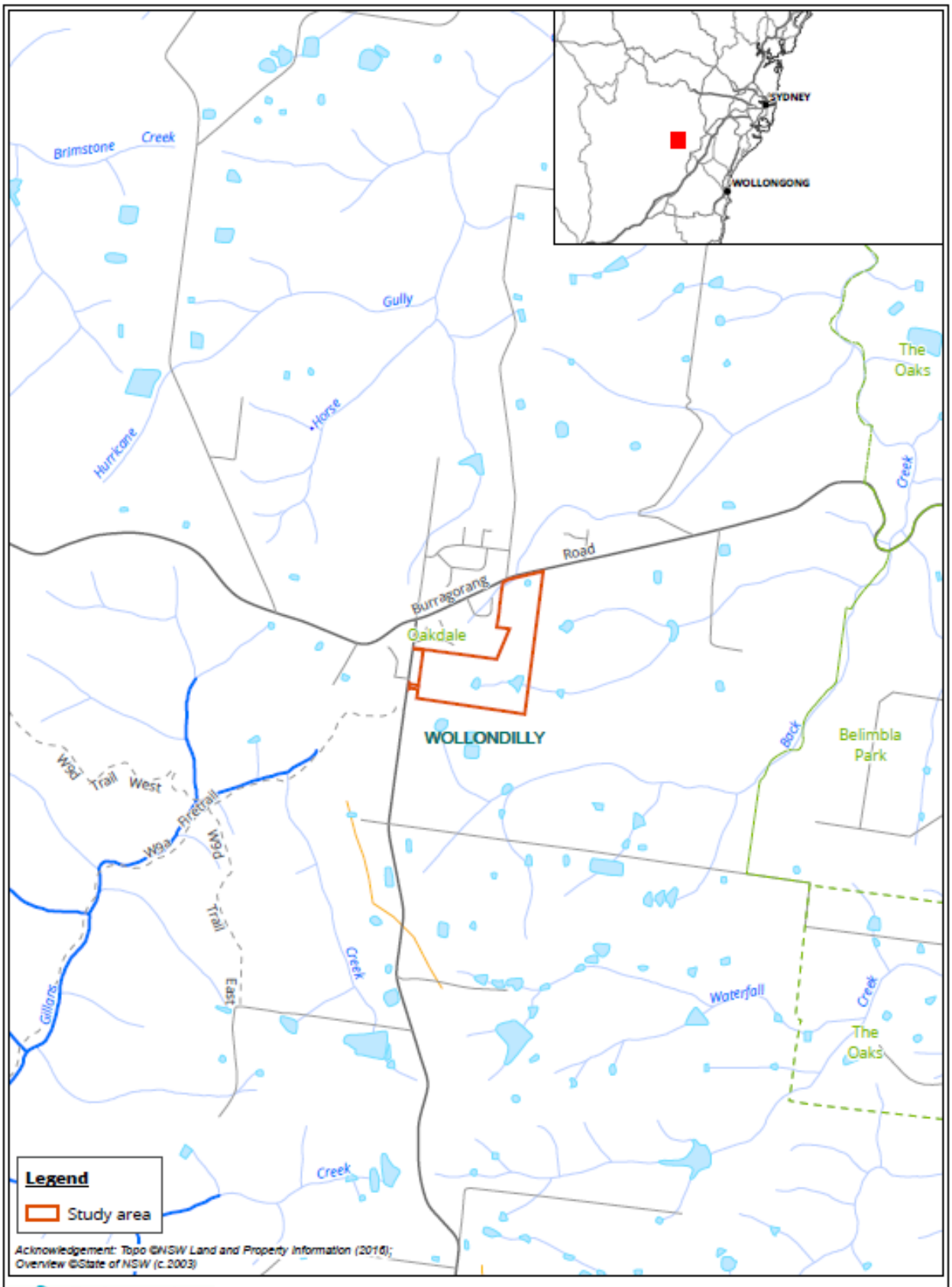
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.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WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
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Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
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39164_OakdalePlanningProposal\ACHAandHHA
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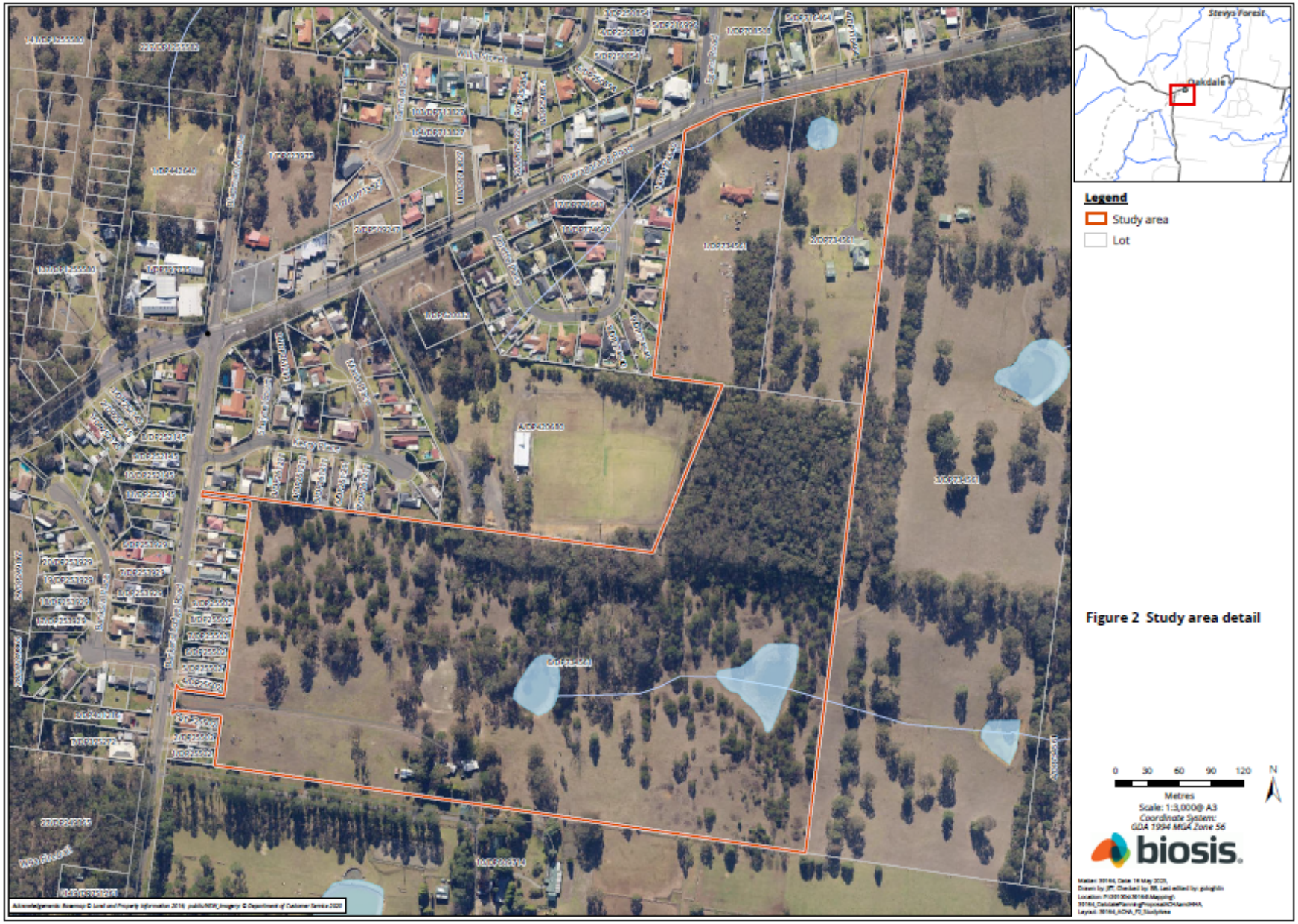

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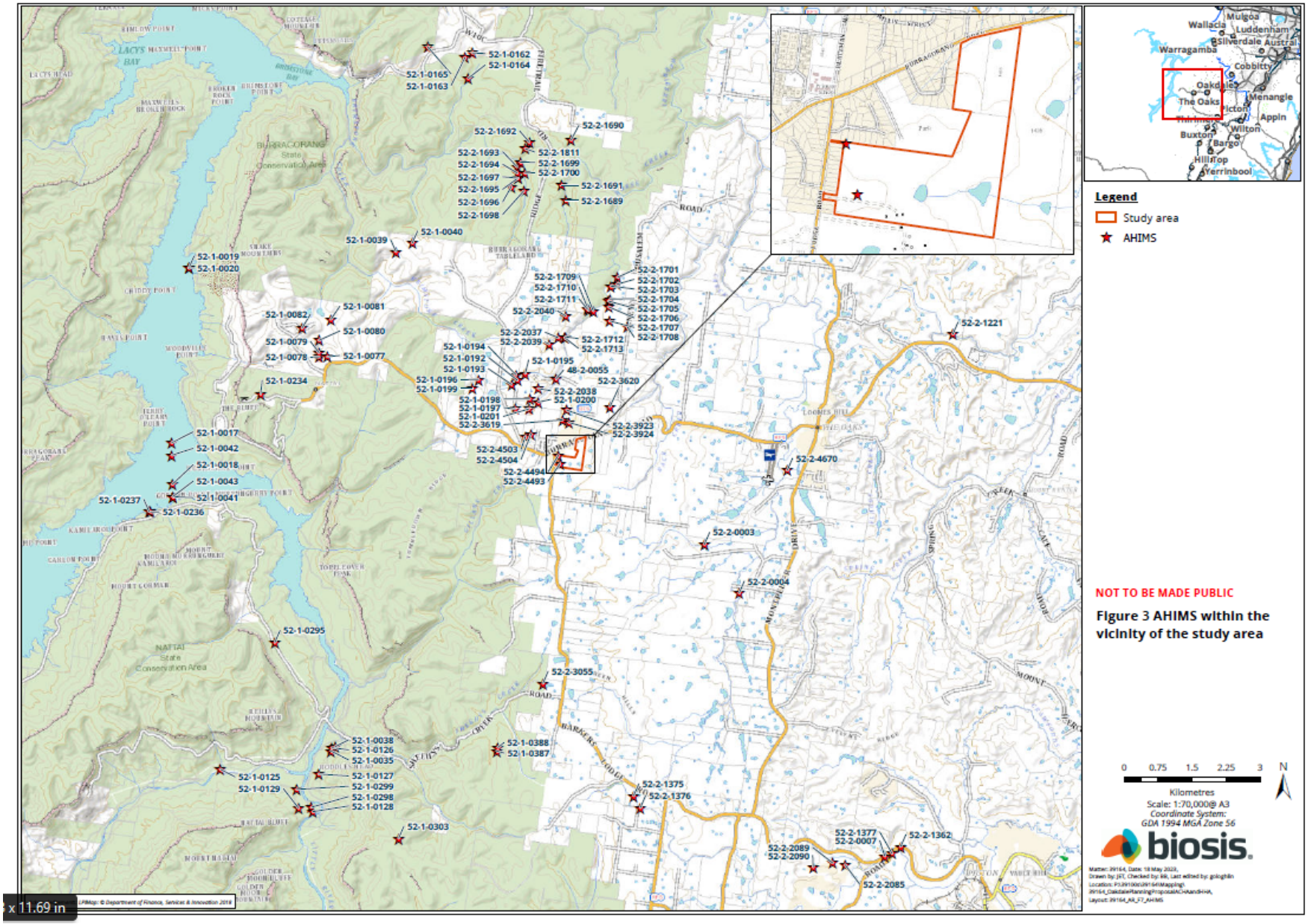
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Cultural information provided will be recorded in the Aboriginal consultation log and discussed in the report. If the information is regarded as too sensitive to be made public, then RAPs should advise Biosis and identify the nature of the sensitivity. 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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:

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- 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.
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- Provide management and mitigation measures for Aboriginal archaeological objects located during the subsurface testing program.
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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.
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- 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.
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- Archaeological test excavation results.

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- 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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OEH 2011. Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW, Office of Environment and Heritage, Department of Premier and Cabinet, Sydney NSW.

18 July 2023

Thomas Dahlstrom
Thomas Dahlstrom
1-122 Glebe Point Road Glebe NSW 2037

Dear First Name,

Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

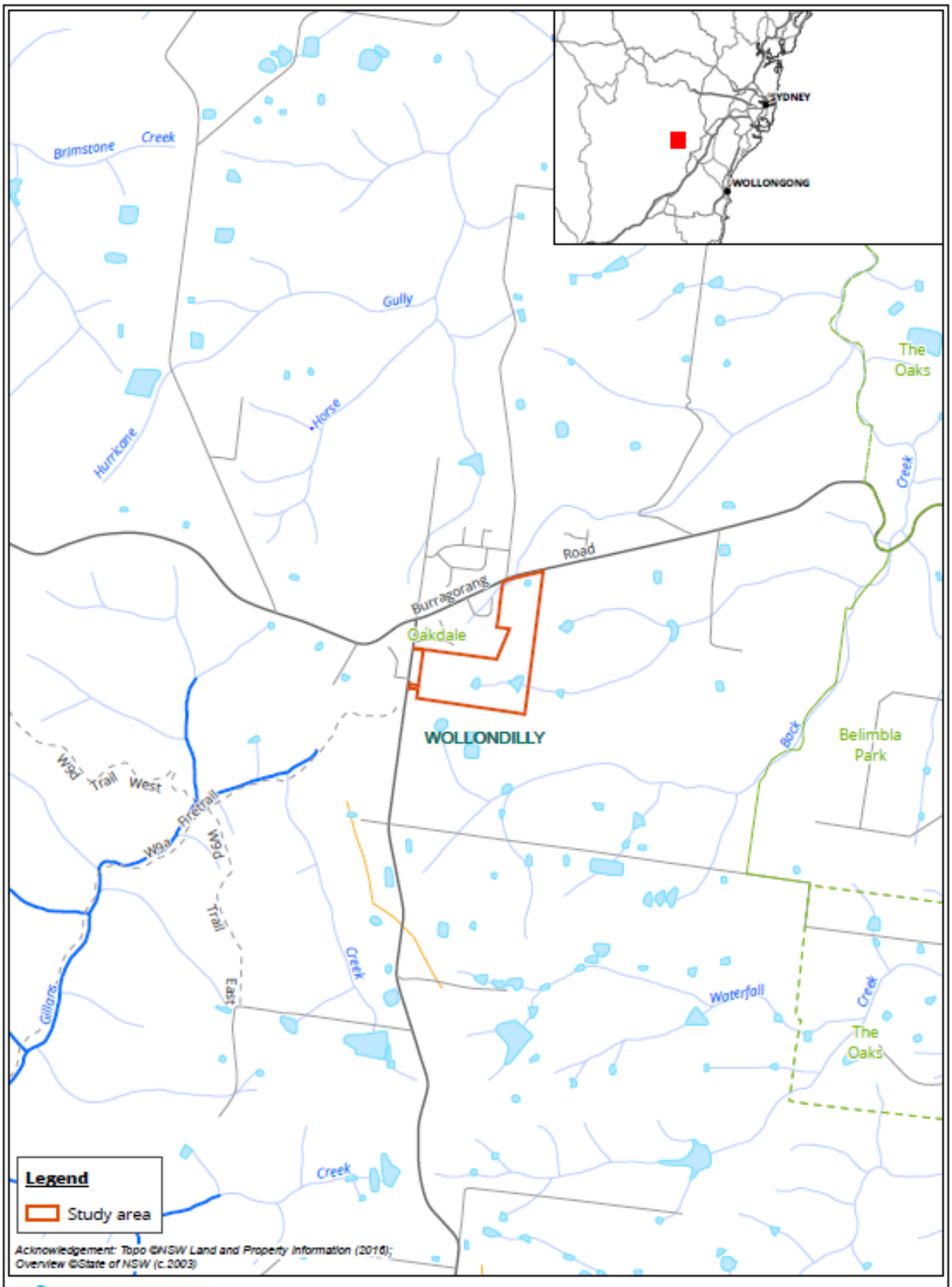
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

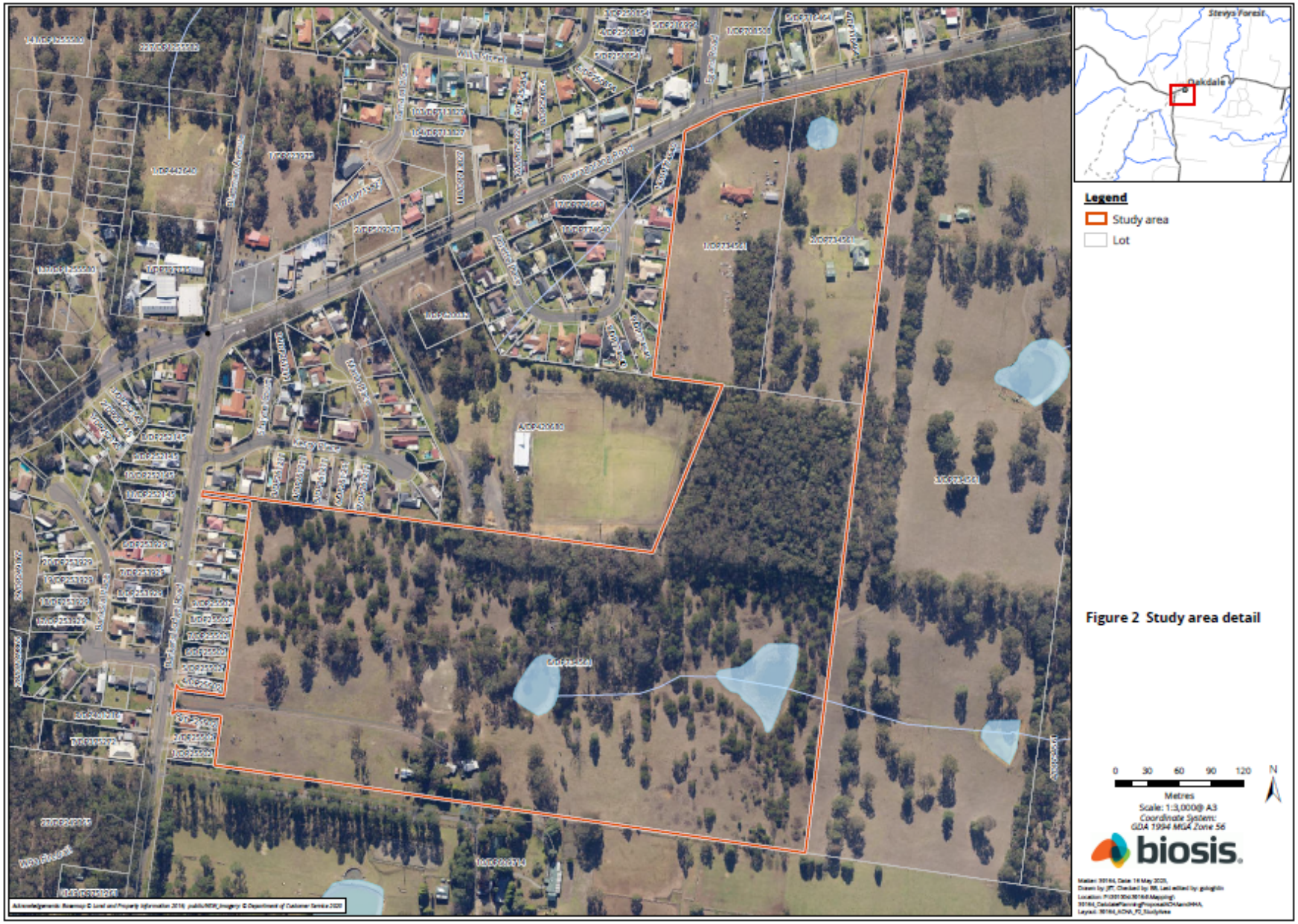
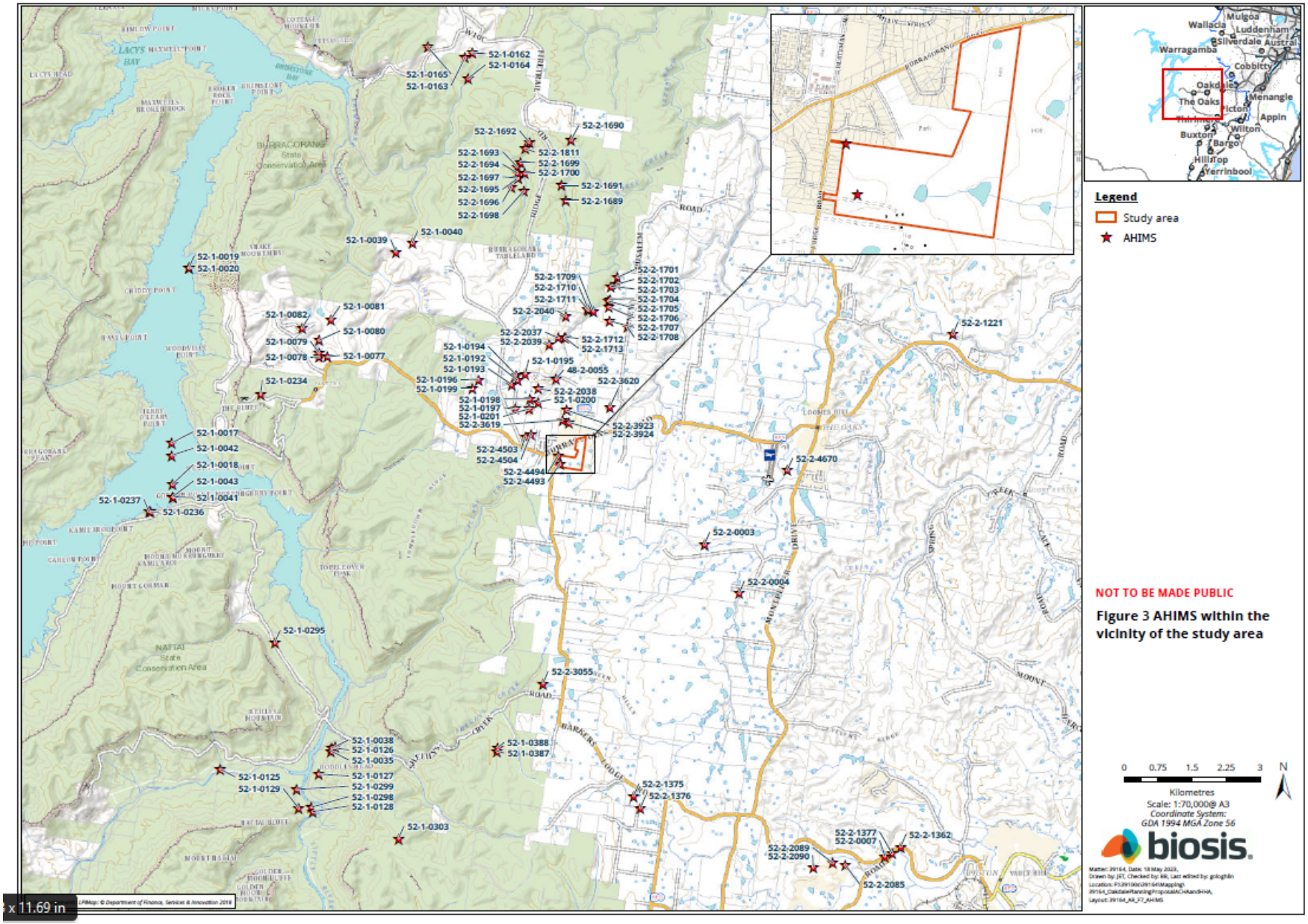


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
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52-2-4504
52-2-4494
52-2-4493
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52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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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11 July 2023

Lillie Carroll and Paul Boyd
DNC
33 Carlyle Crescent Cambridge Gardens NSW 2747

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

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The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

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- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
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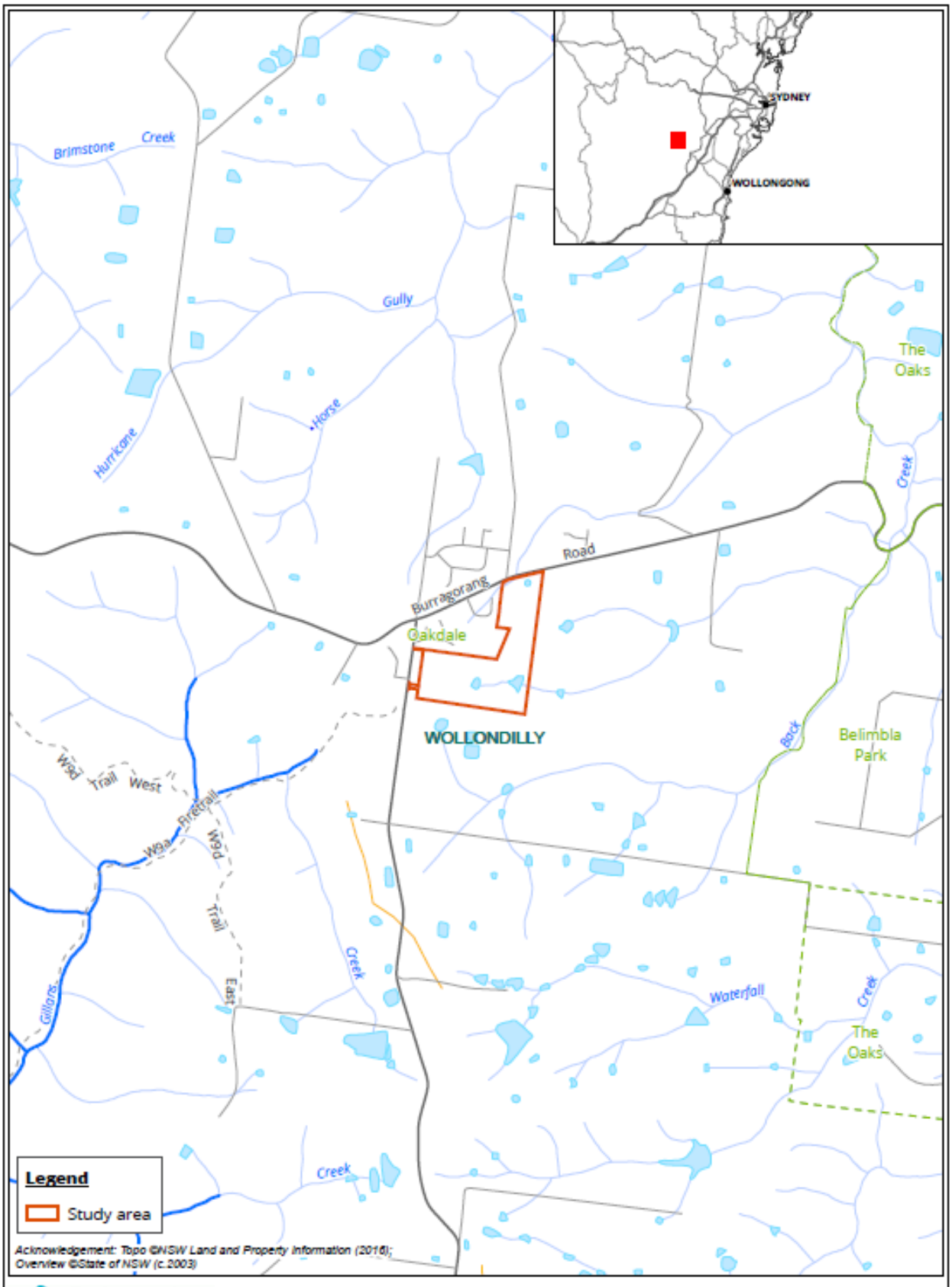
Each section of the ACHA methodology will be undertaken in consultation with the RAPs for the project. Biosis invites RAPs to provide culturally appropriate information via mail, email, or phone with regards to this project.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

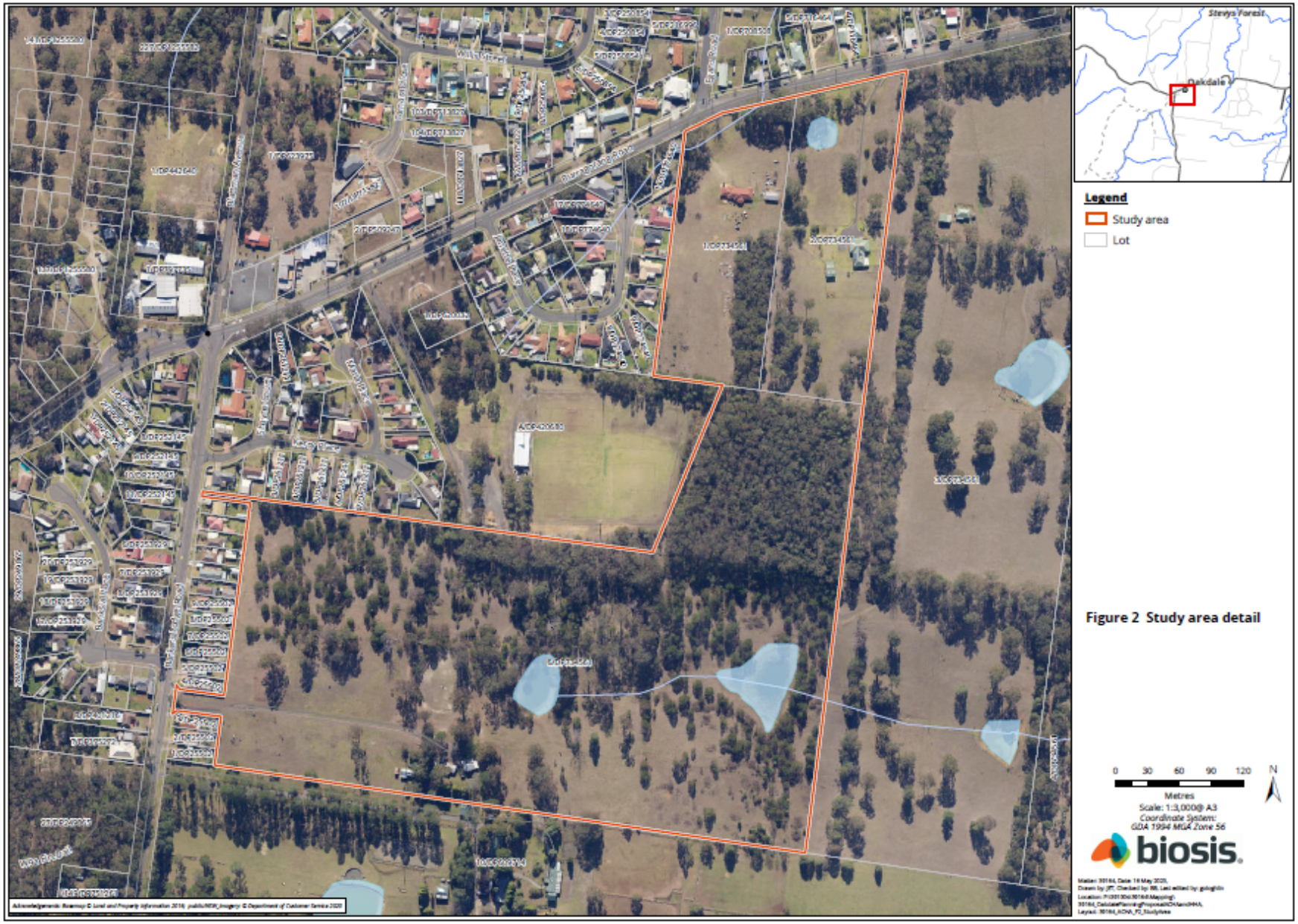
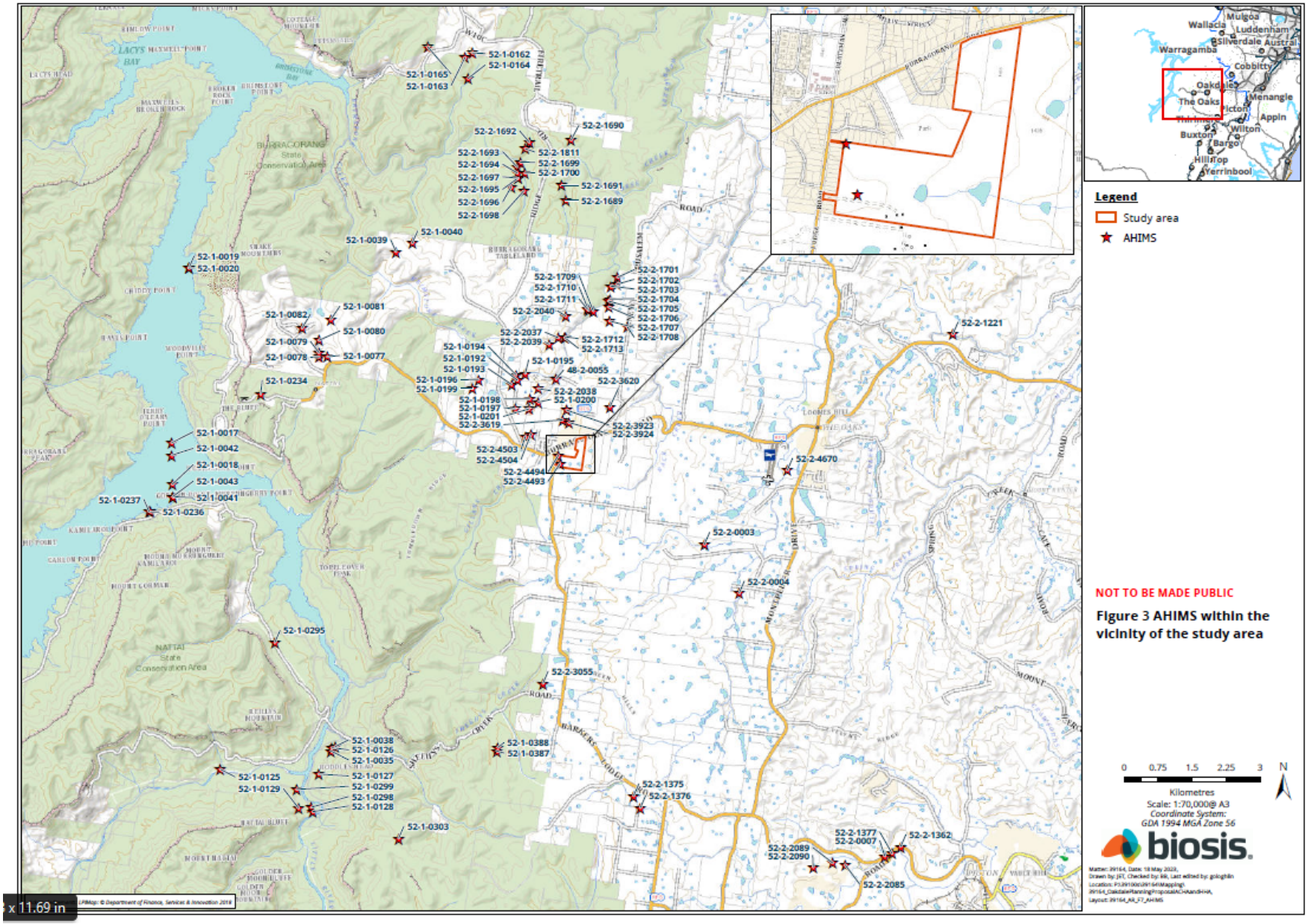


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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11 July 2023

Gary Dunn
Dharramalin
10 Key Way, Airds NSW 2560

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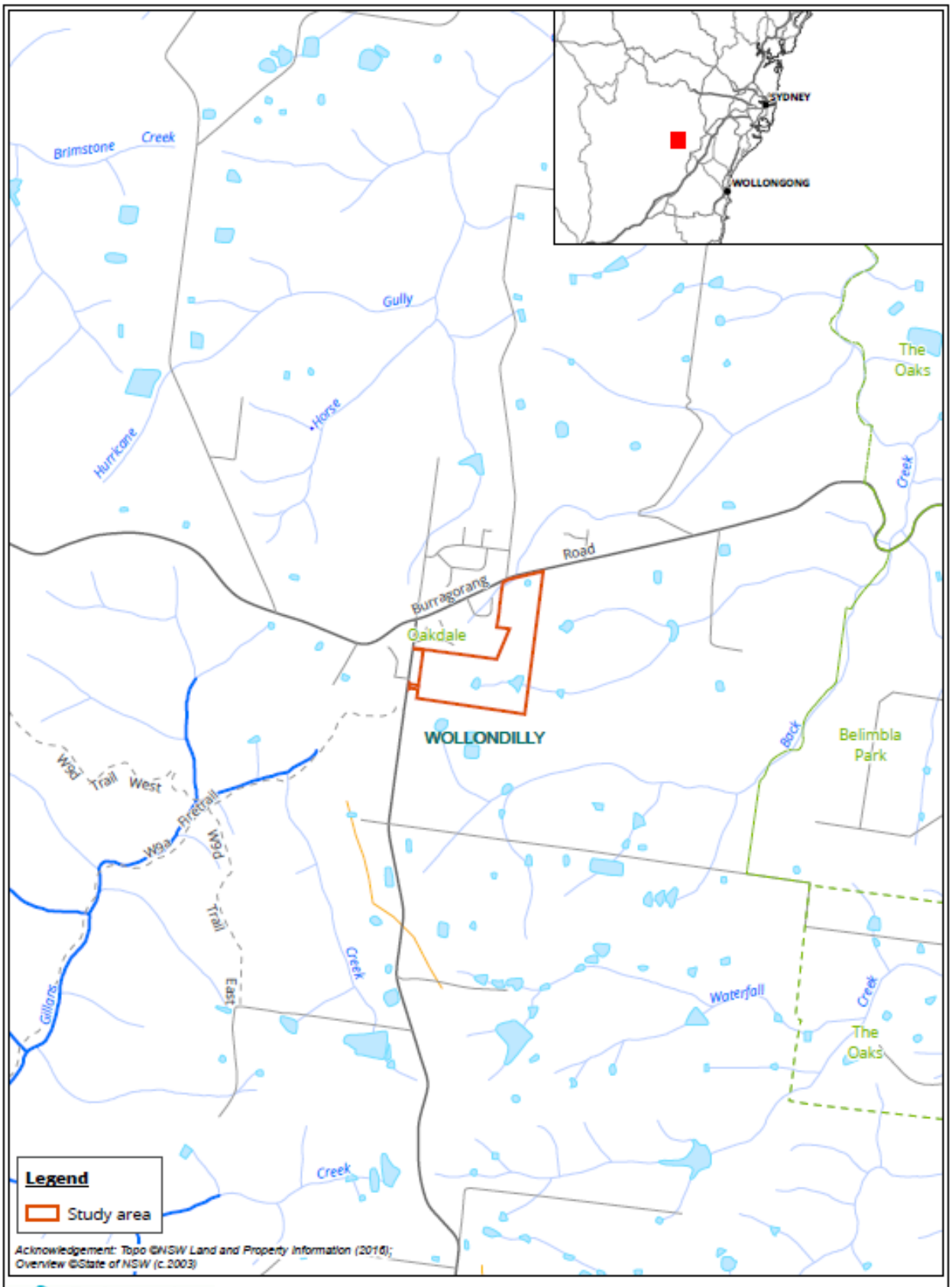
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.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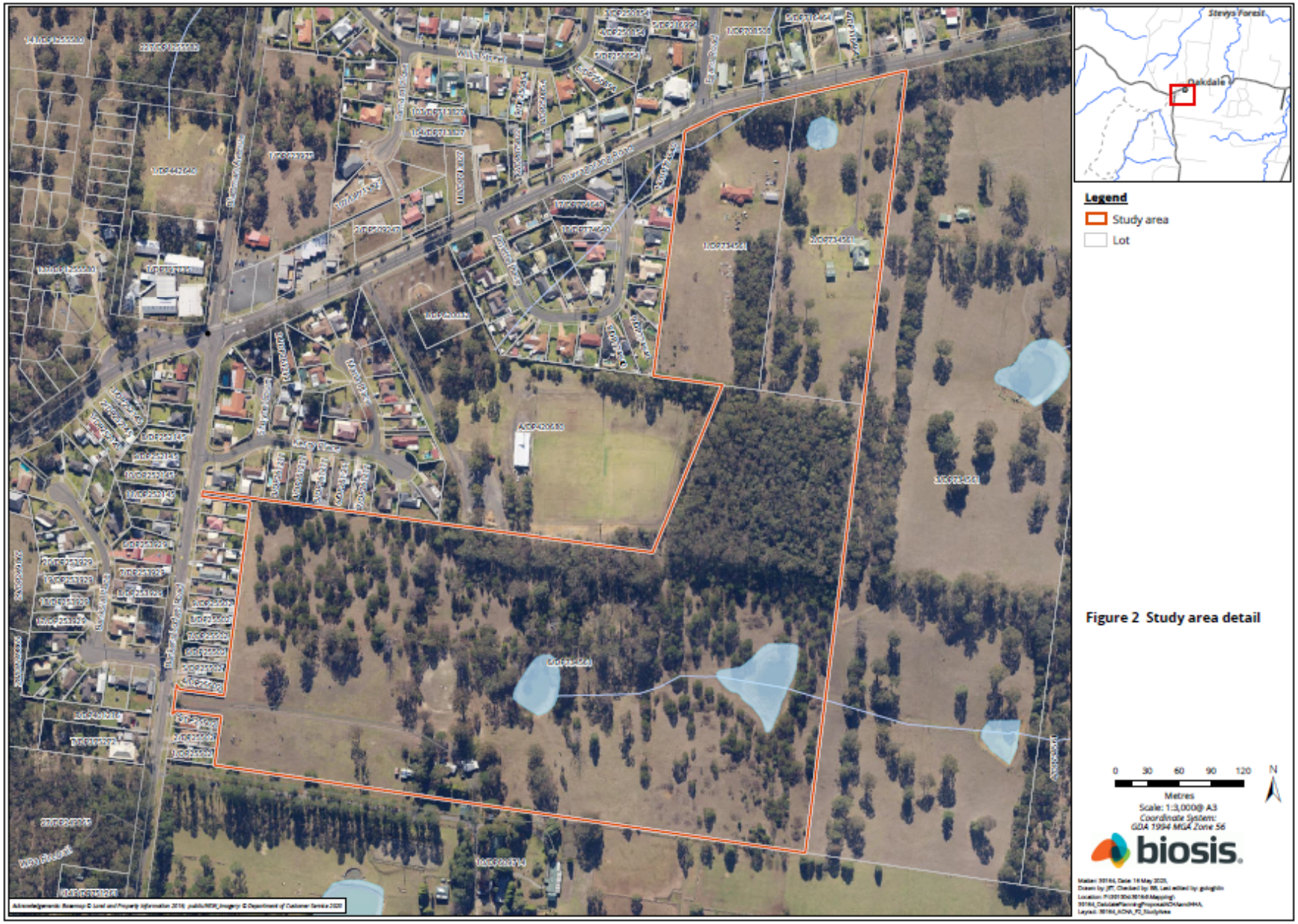

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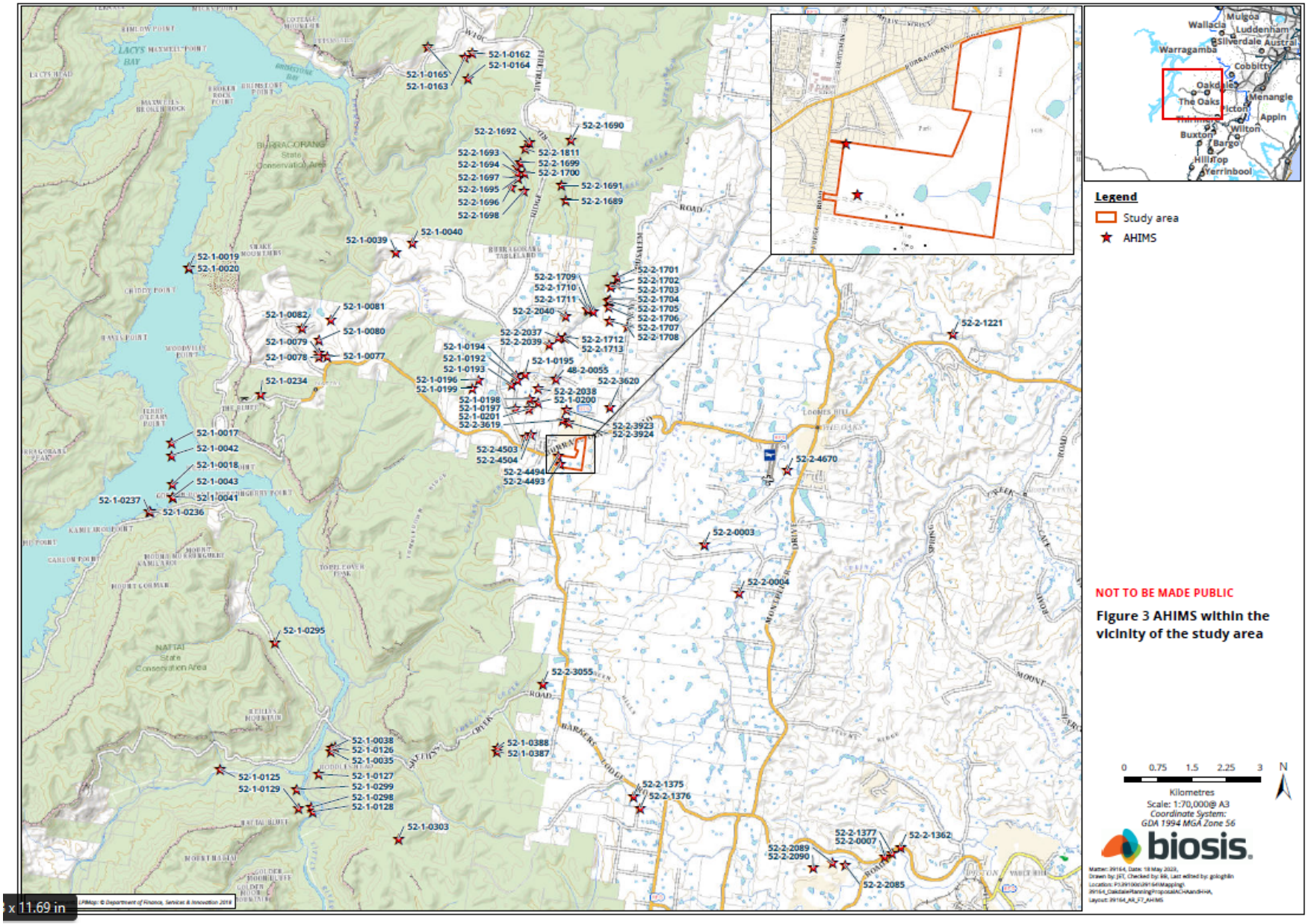
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Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Raymond Weatherall
RAW Cultural Healing
8 Rosslyn Dr, Claymore NSW 2559 PO Box N74, Campbelltown North NSW 2560

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

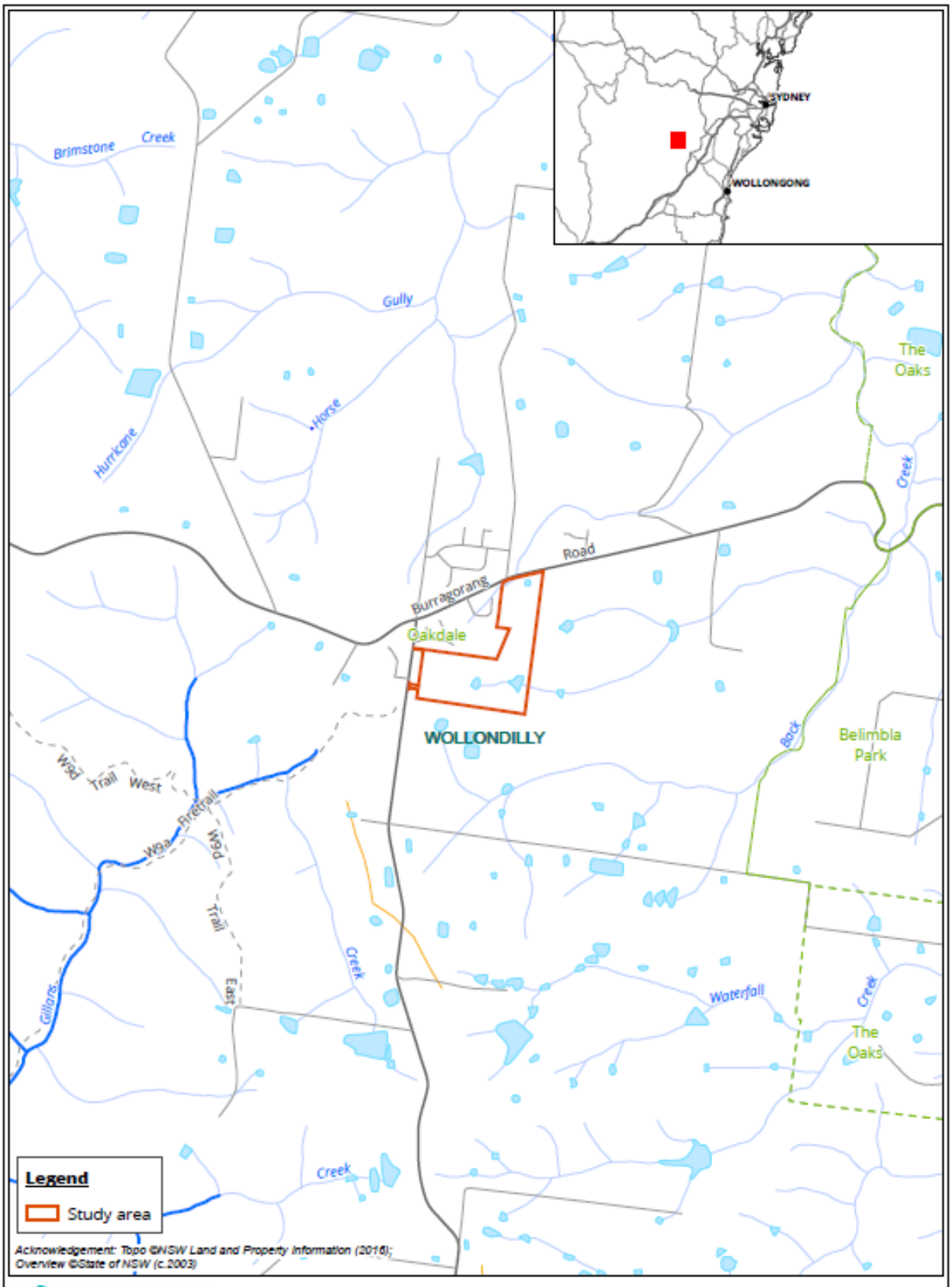
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.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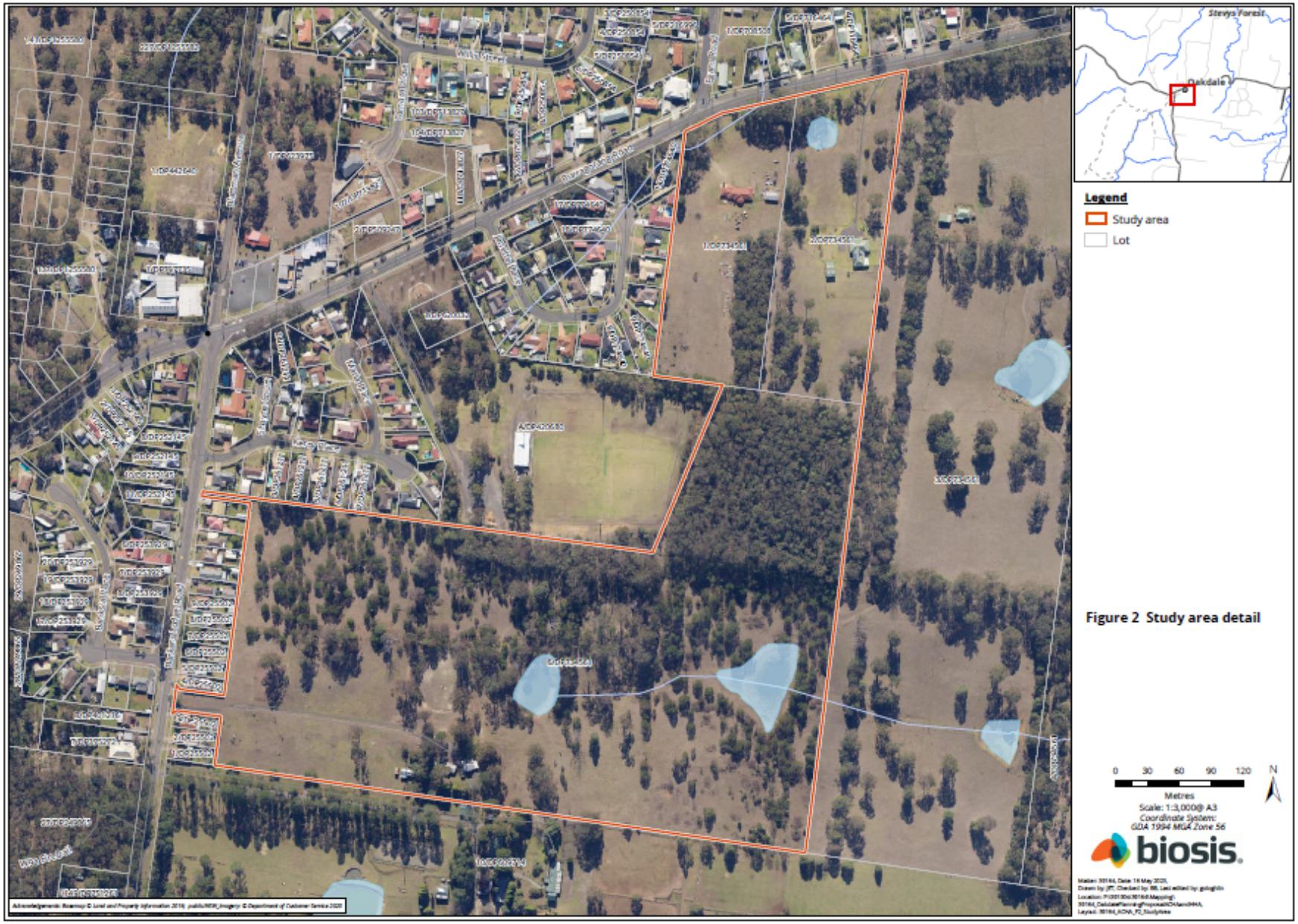

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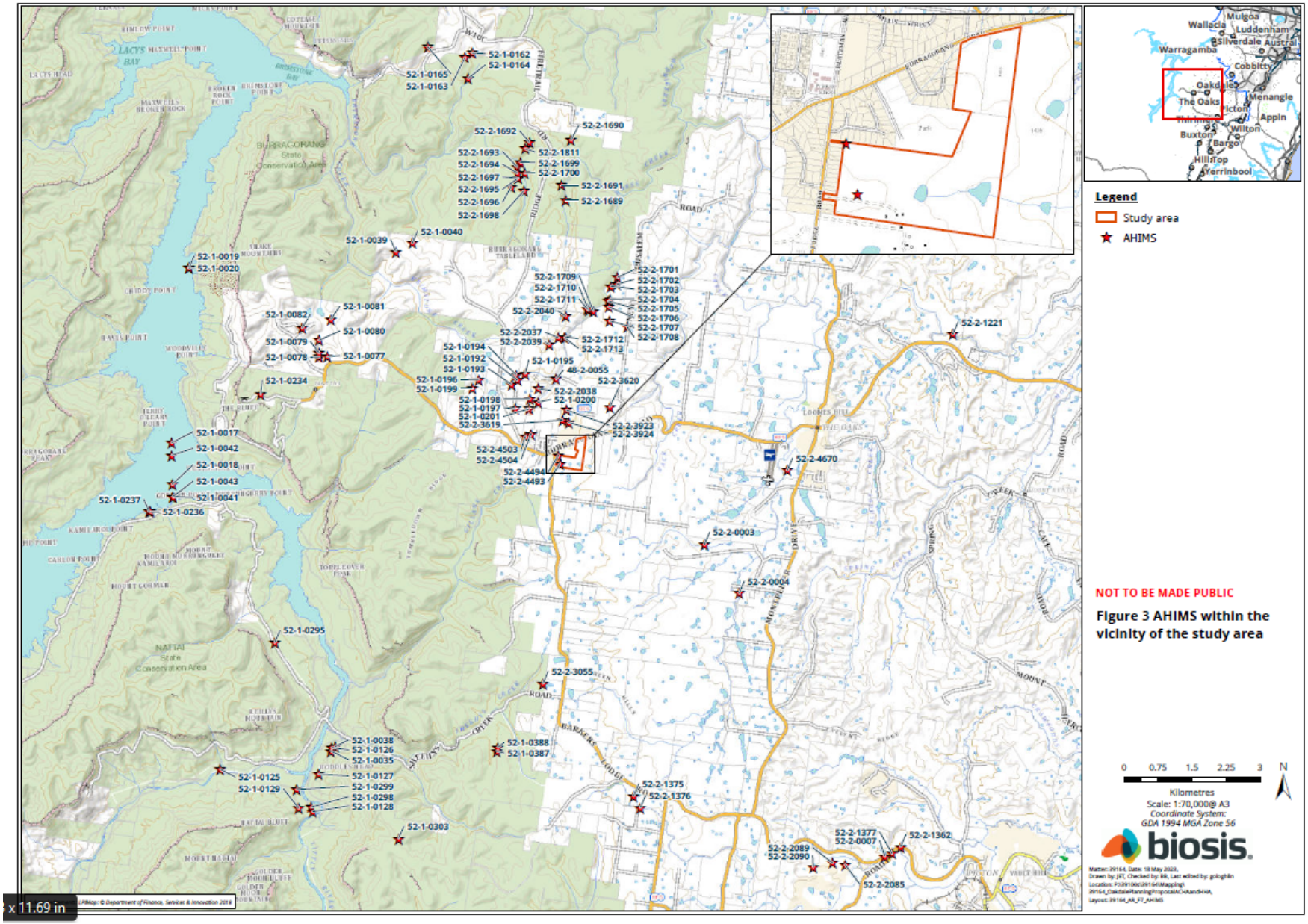
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- A review of relevant reports identified through the AHIMS search will be undertaken.
- A review of aerial photographs and other resources to gauge the existing landscape and previous history of land disturbance will be undertaken.
- A review of the historical heritage databases will be undertaken.
- A 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 26 June 2023 via Biosis on behalf of Colliers 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.
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Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

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The principle objectives of the 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.

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- 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.

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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).
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- 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.
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- 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.
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- 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.

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If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

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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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Dean Delponte
Mundawari
245 Ash Road Prestons NSW 2170

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

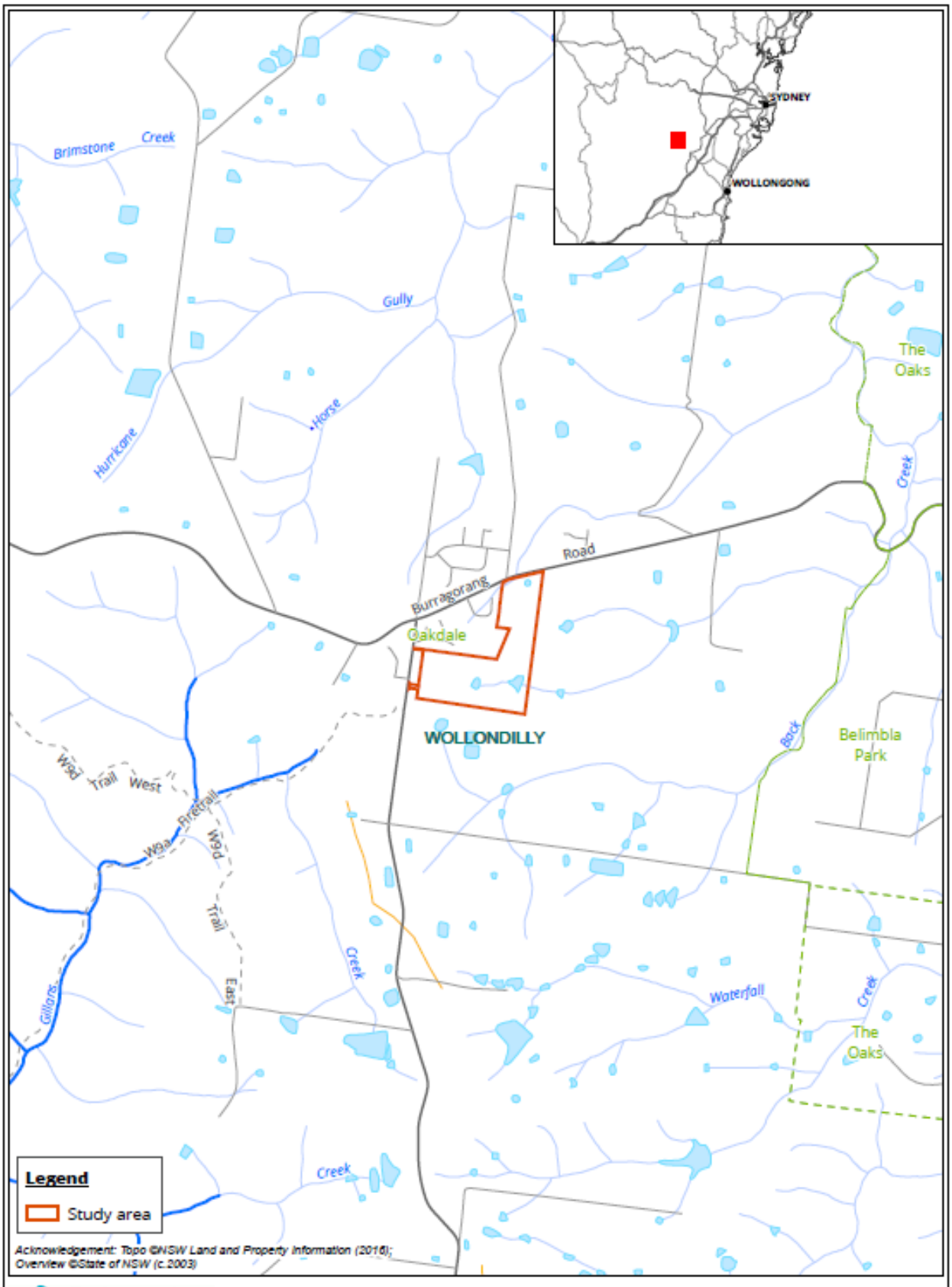
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

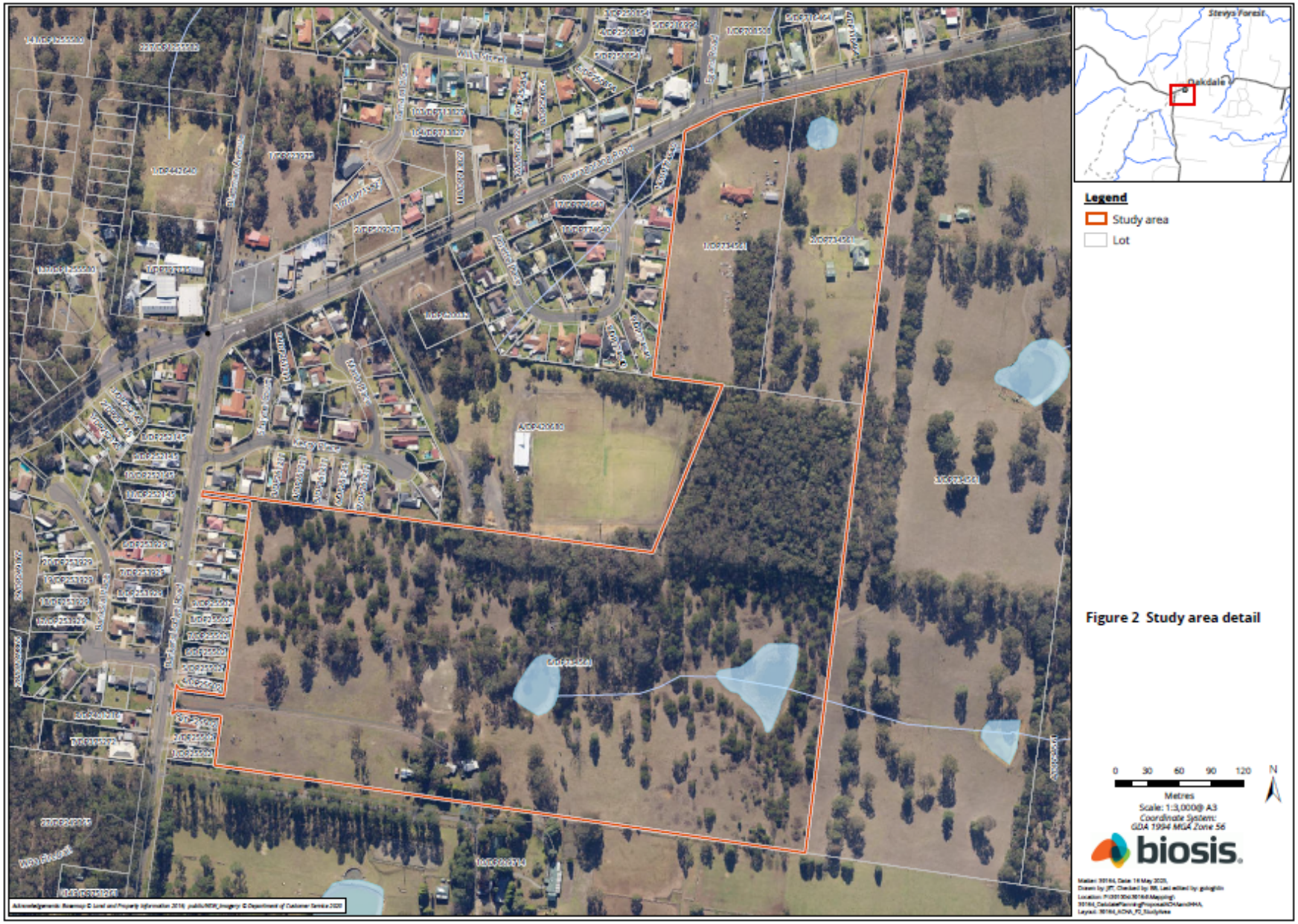
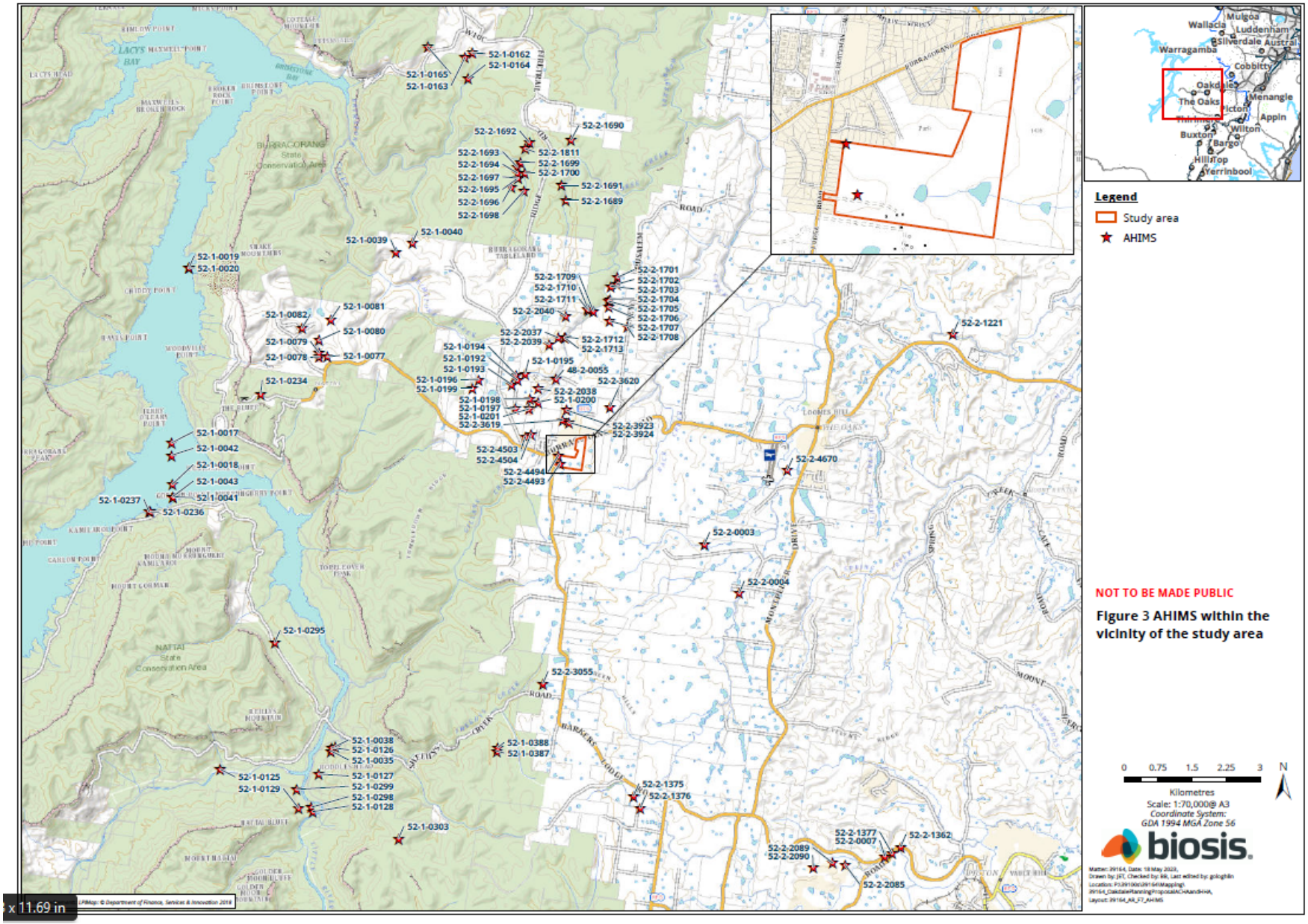


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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.
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- 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.

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- Maps detailing any Aboriginal sites identified during the assessment process.

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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.

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11 July 2023

Robert Young
Konanggo
2/42 Crawford Road, Brighton Le Sands 2216 NSW

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

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It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

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Project schedule

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

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Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

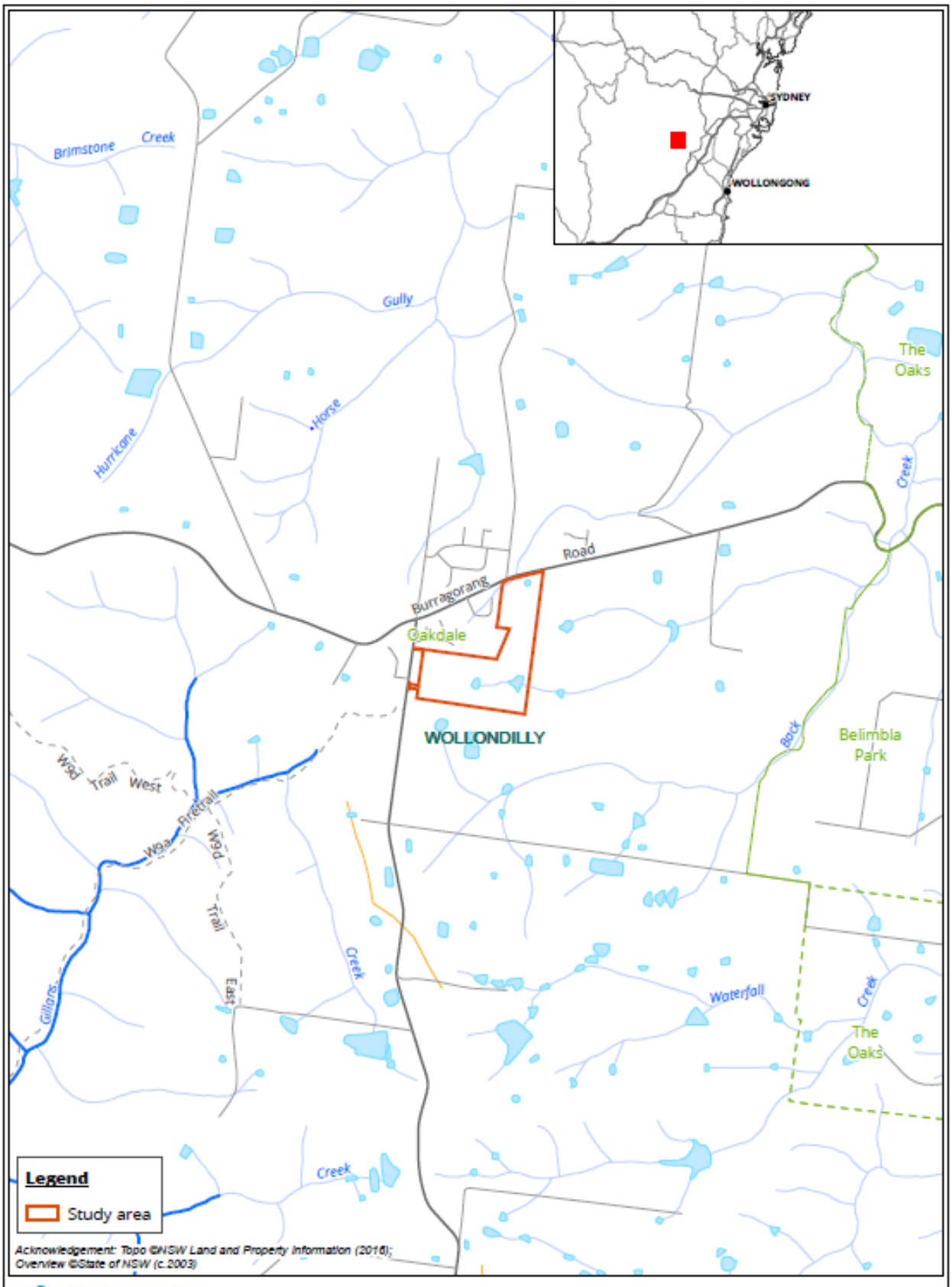
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

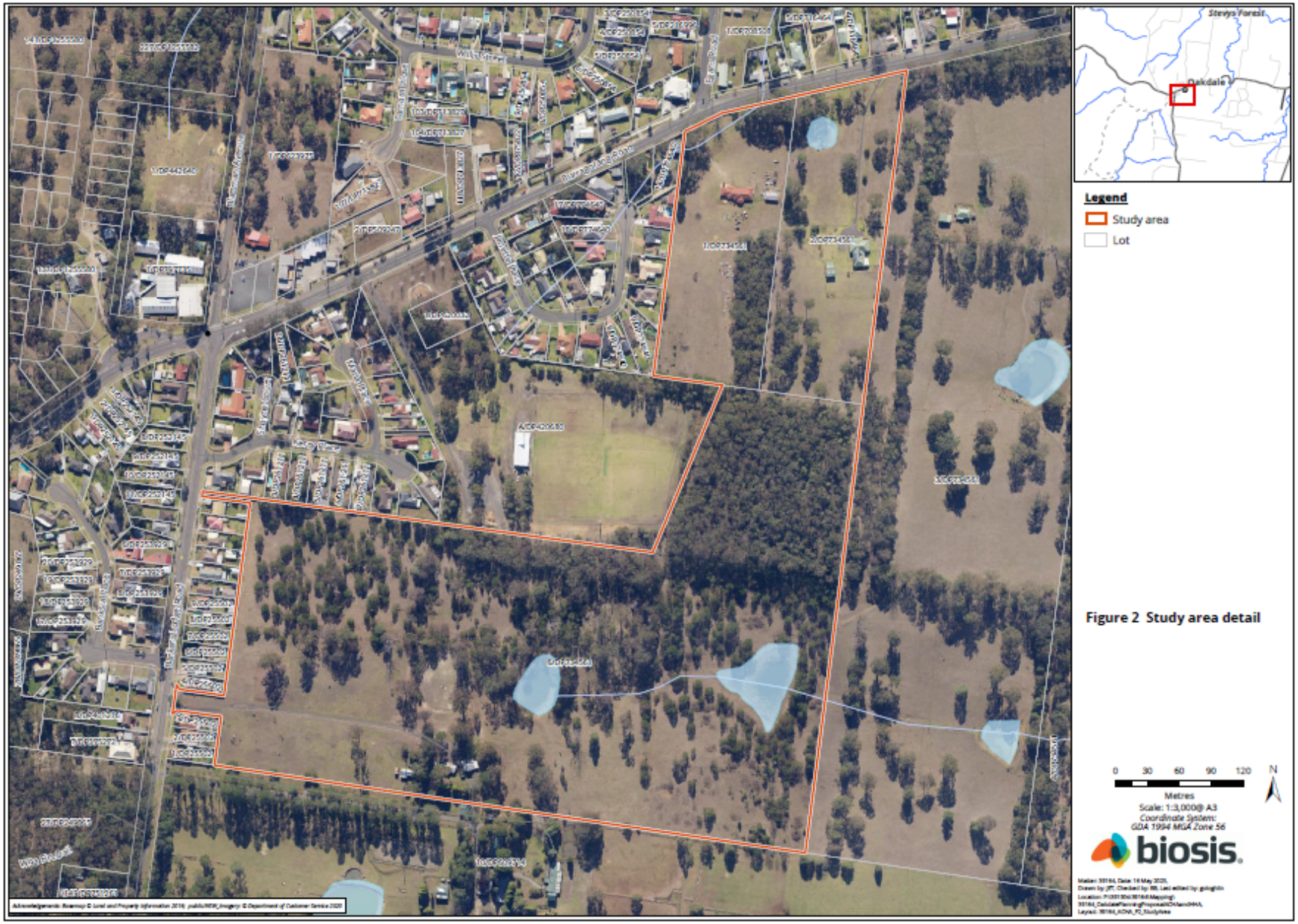
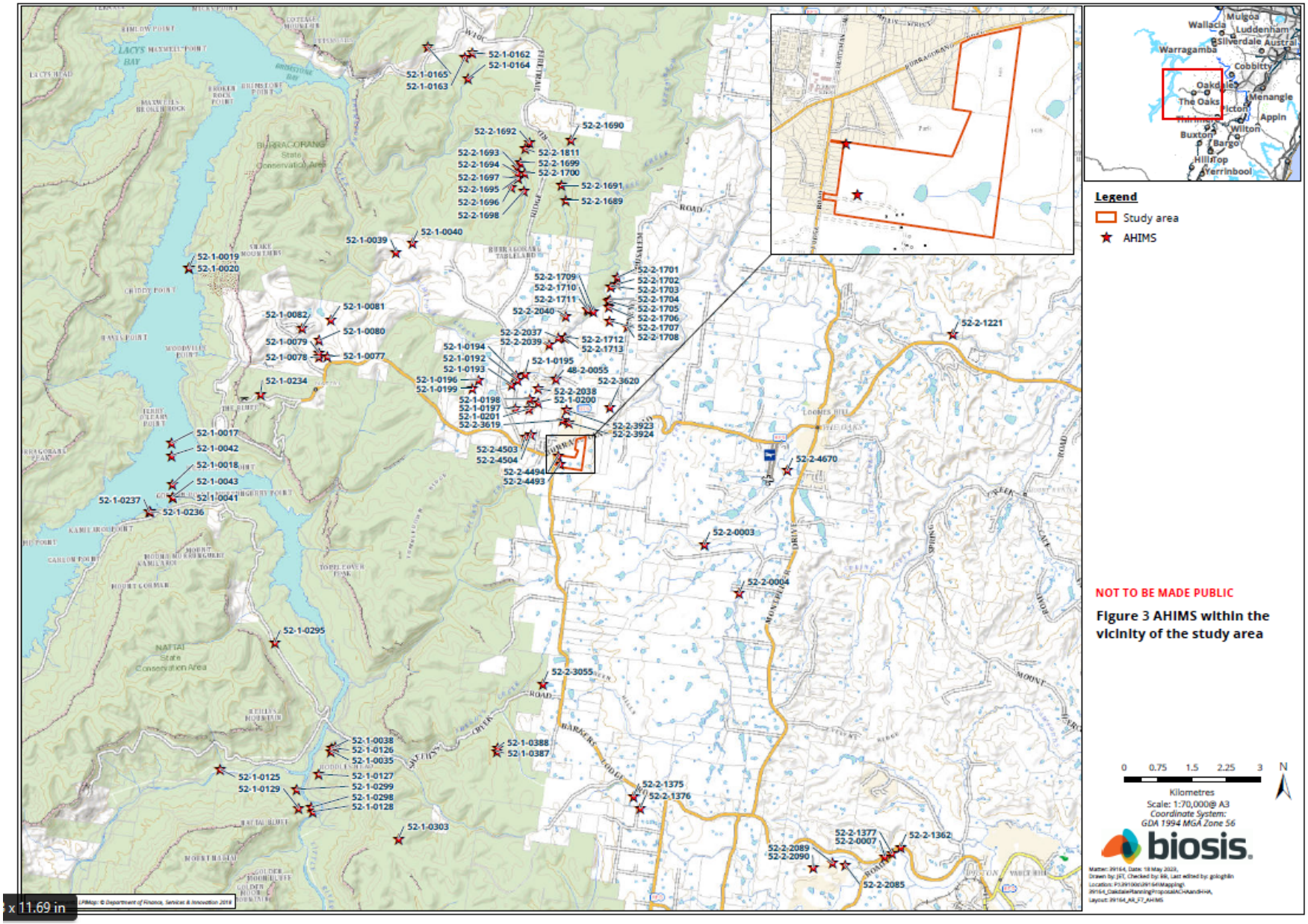


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

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11 July 2023

Jennifer Beale
Butucarbin Aboriginal Corporation
PO Box E1, Emerton
NSW 2770

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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 will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

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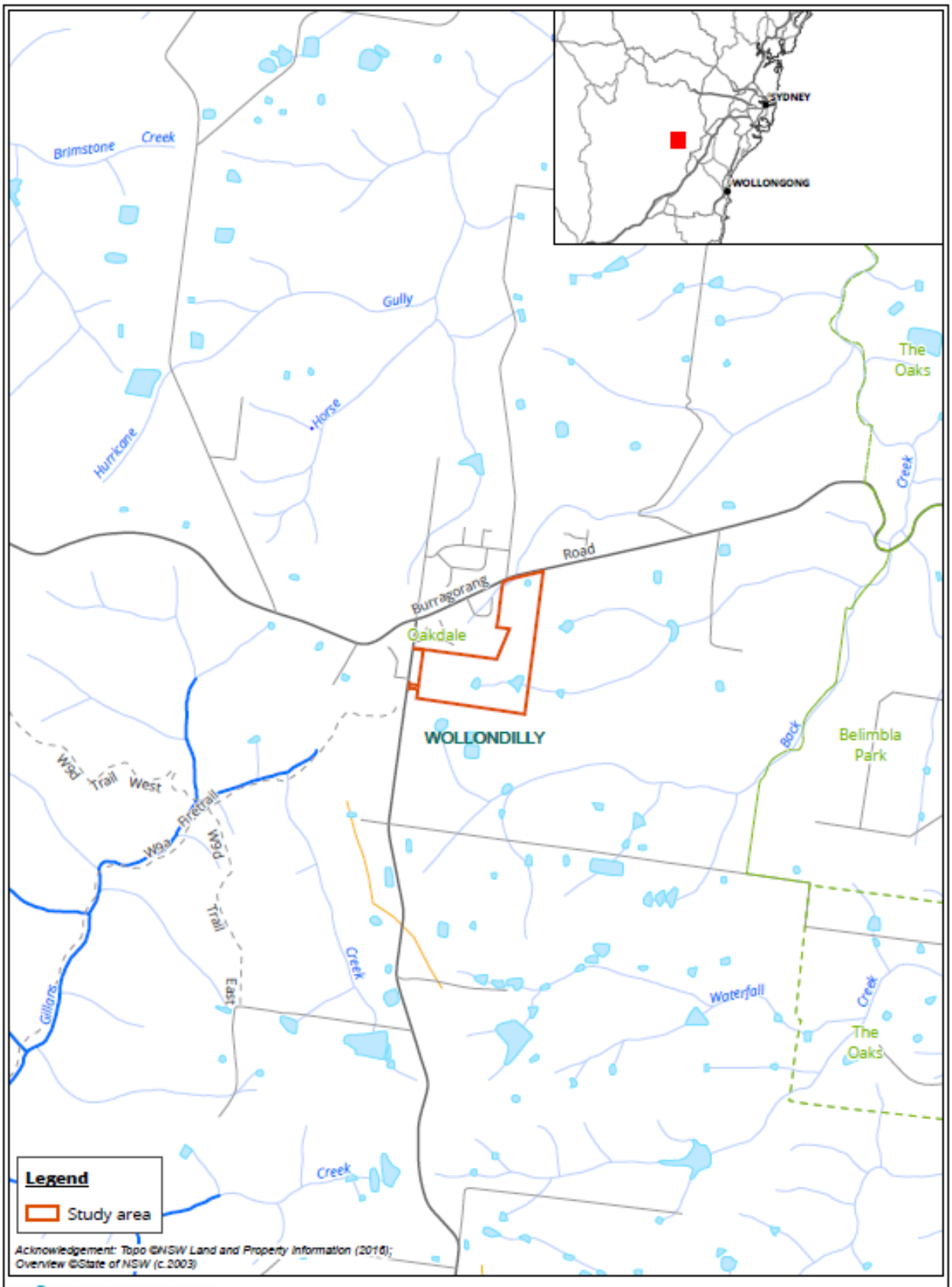
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.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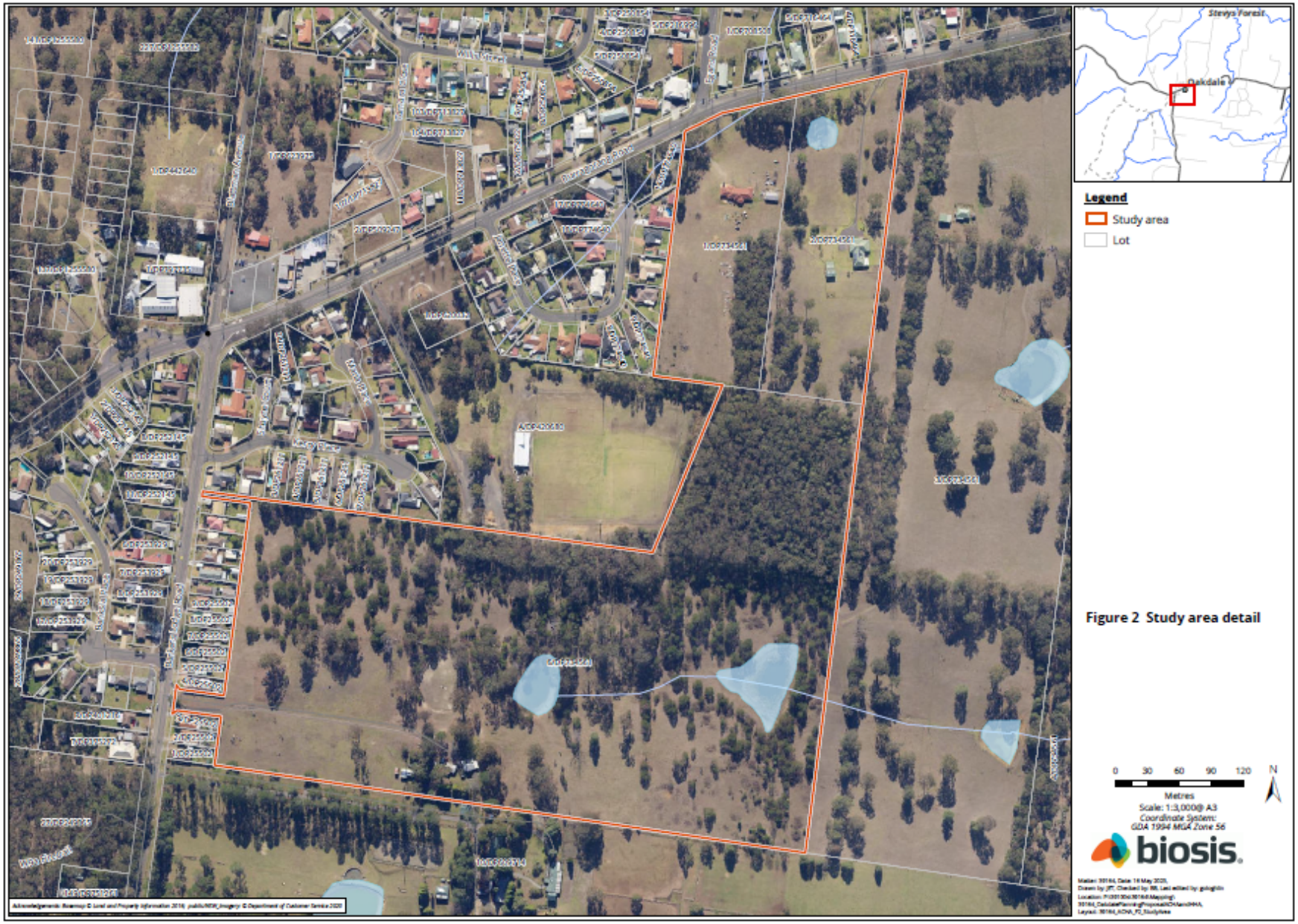
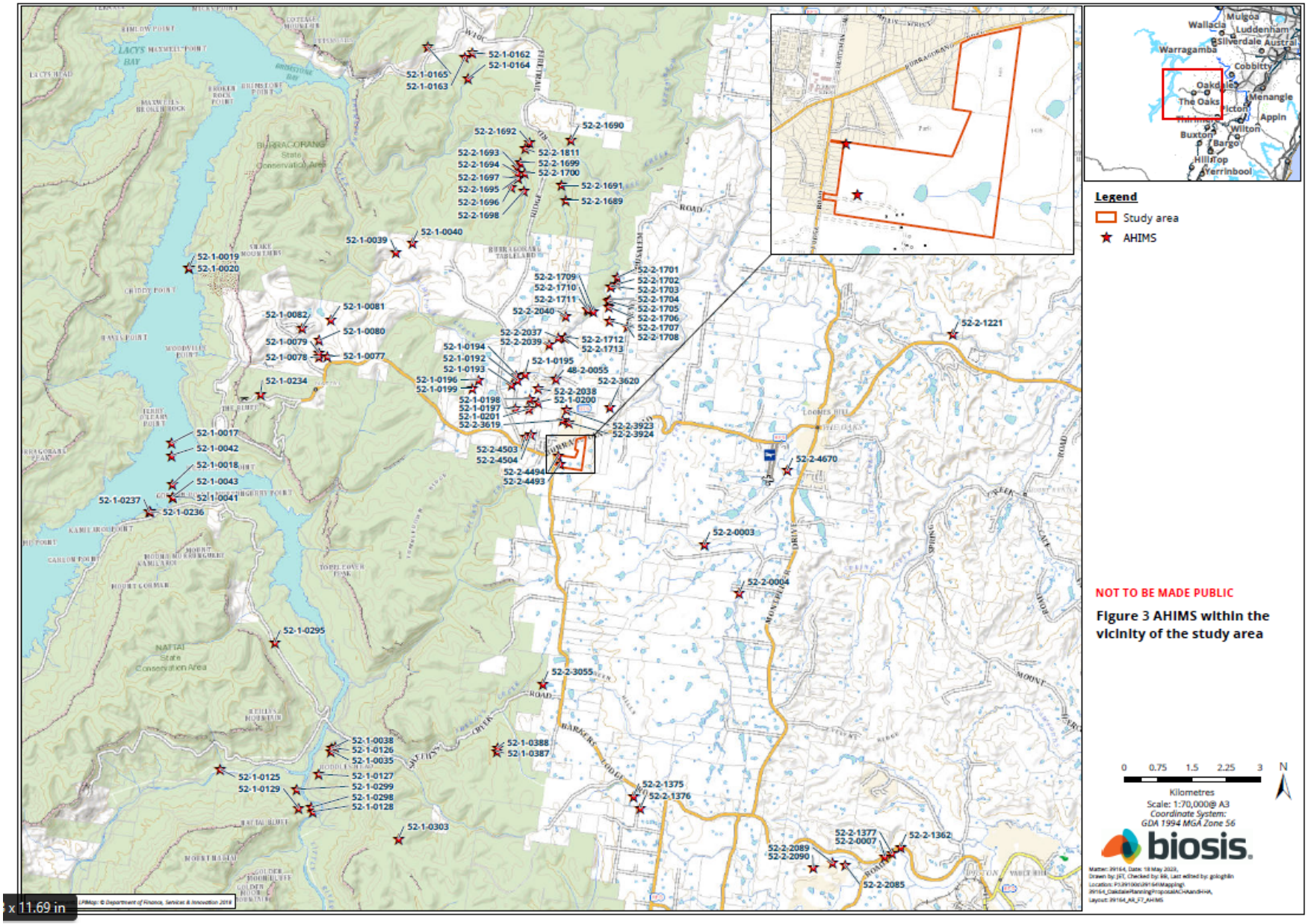


Figure 2 Study area detail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Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Kelvin Boney
Wallanbah Aboriginal Site Conveyancing

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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 will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken in accordance with their role specified in section 5 of the consultation requirements.

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- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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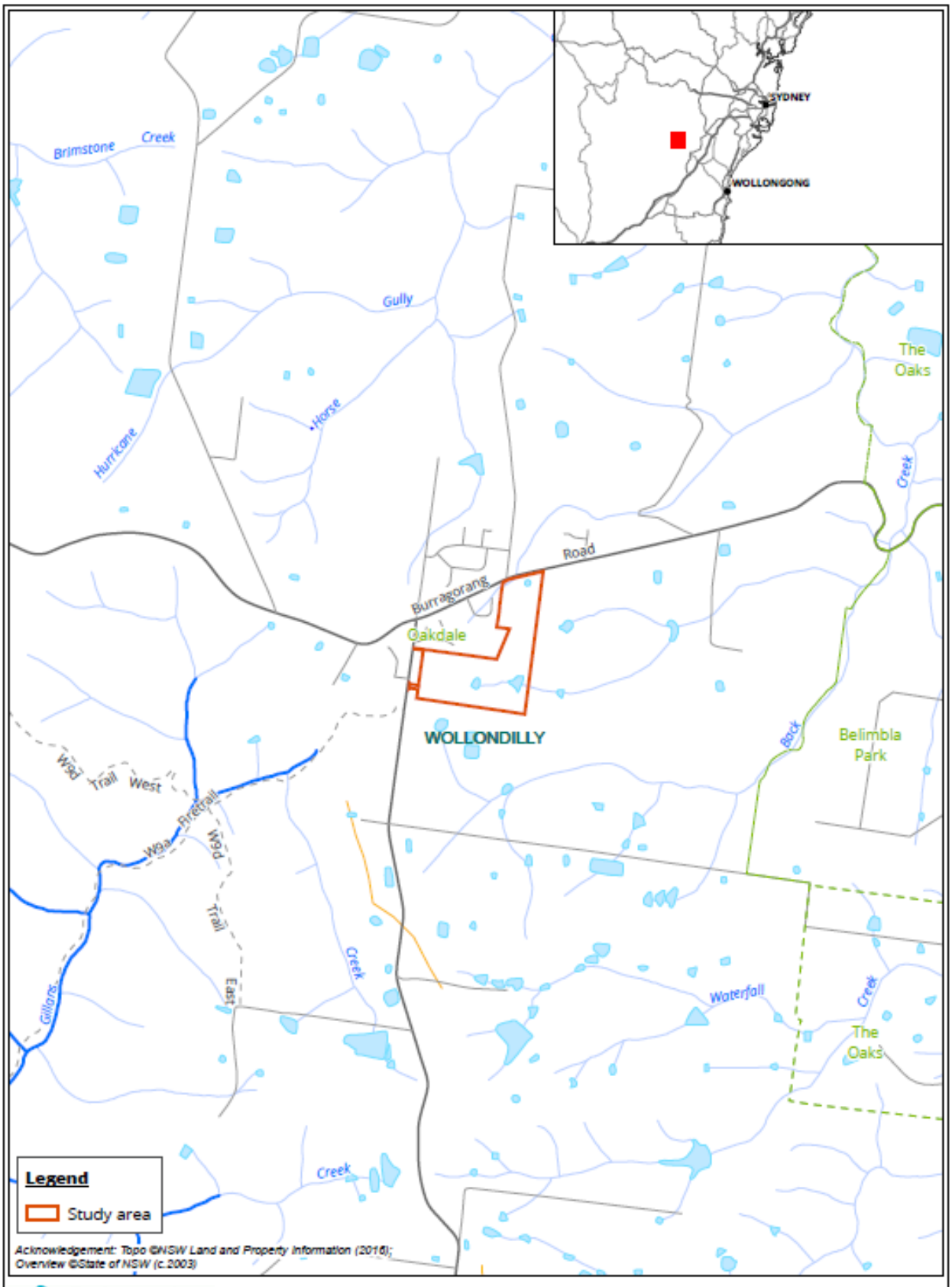
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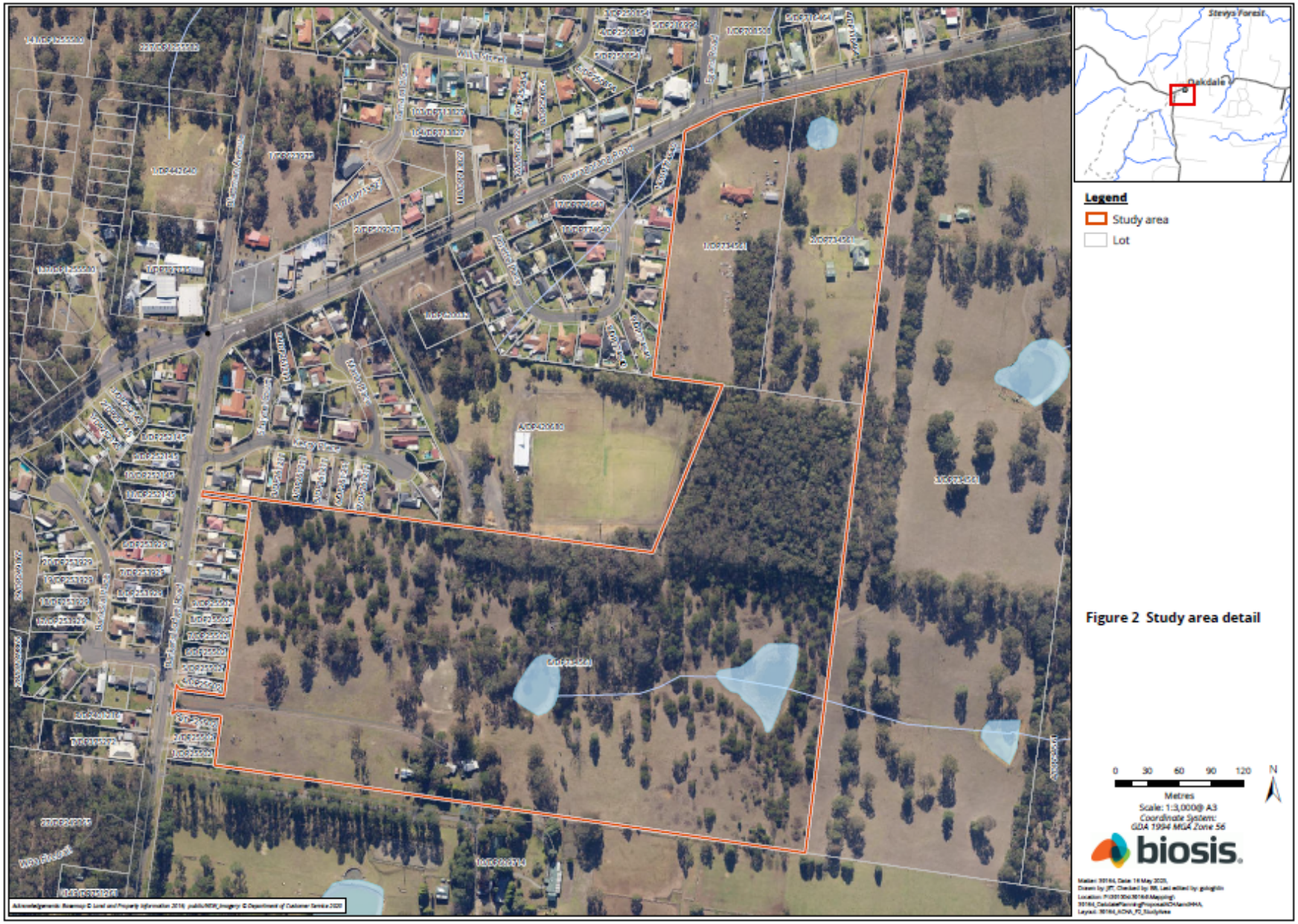

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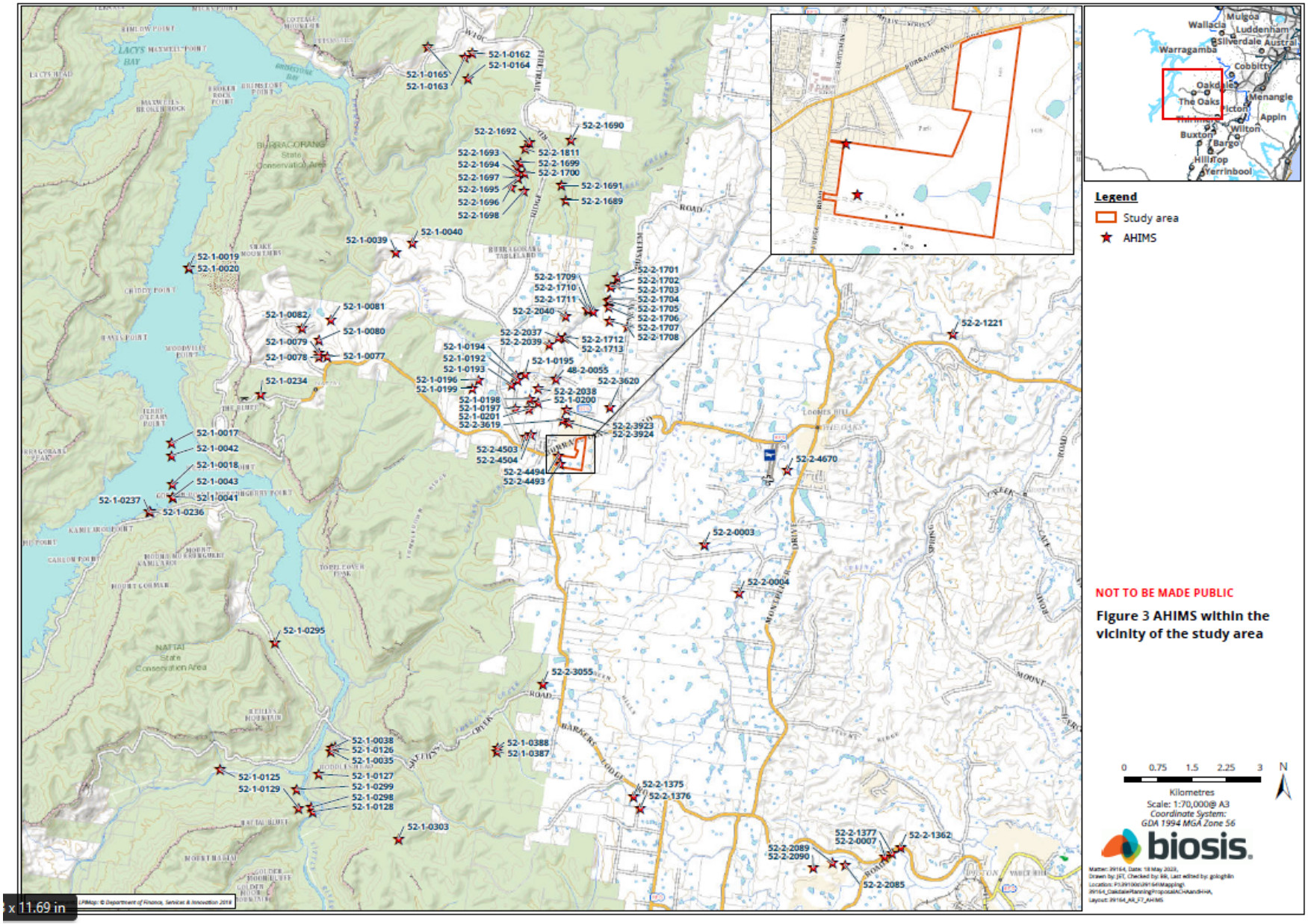
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52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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:

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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:

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If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Phil Khan
Kamilaroi Yankuntjatjara Working Group

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

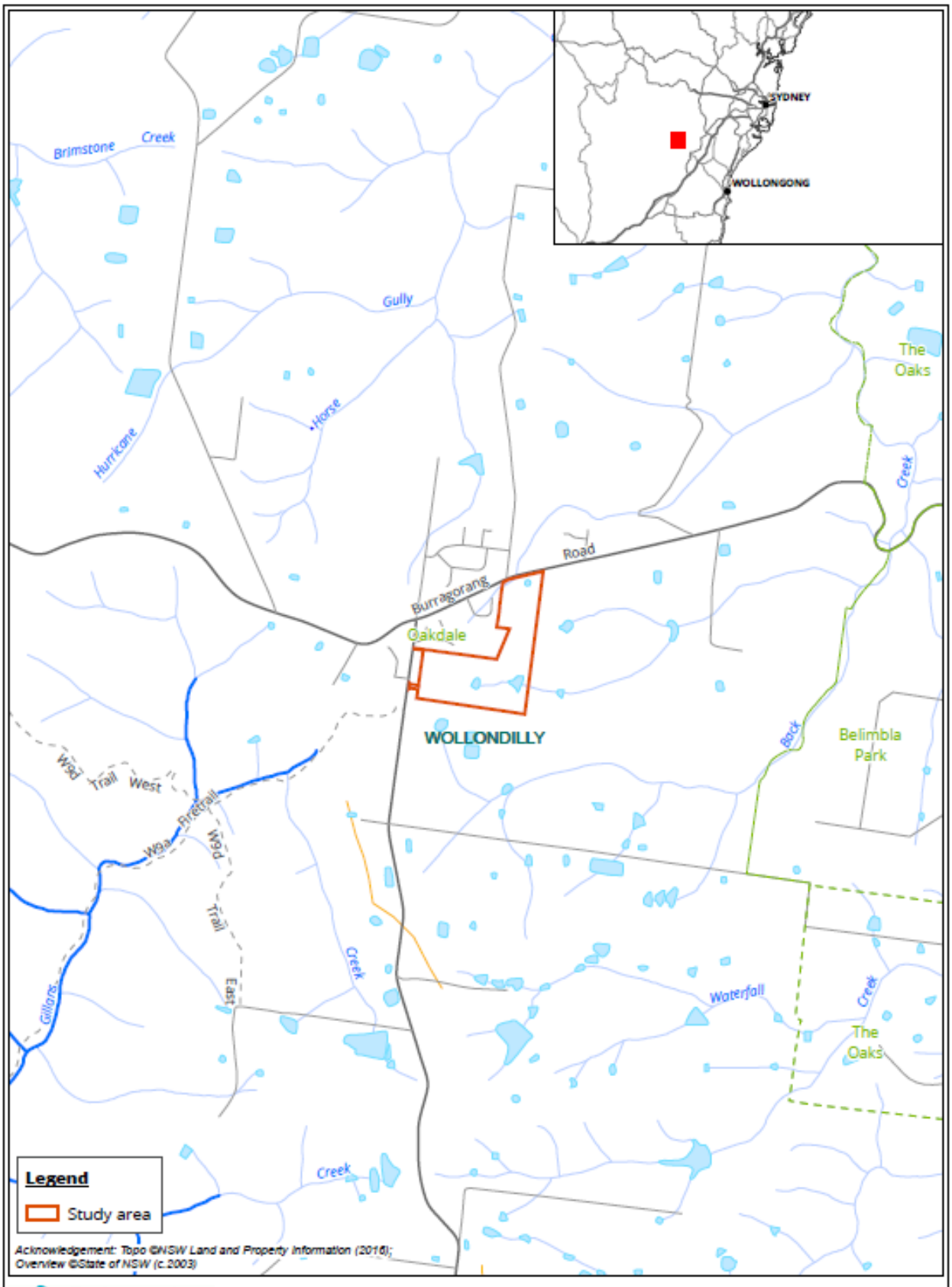
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

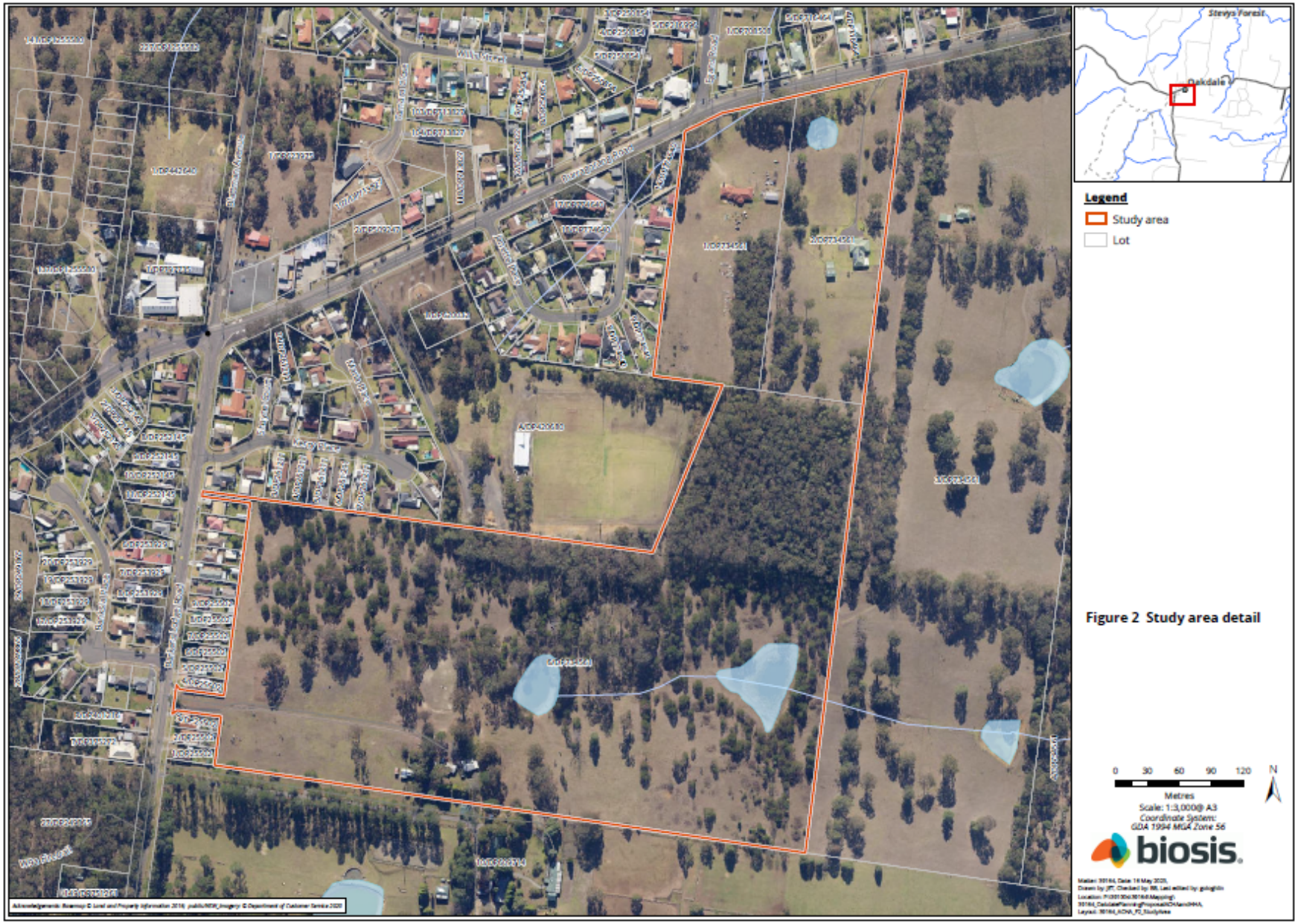
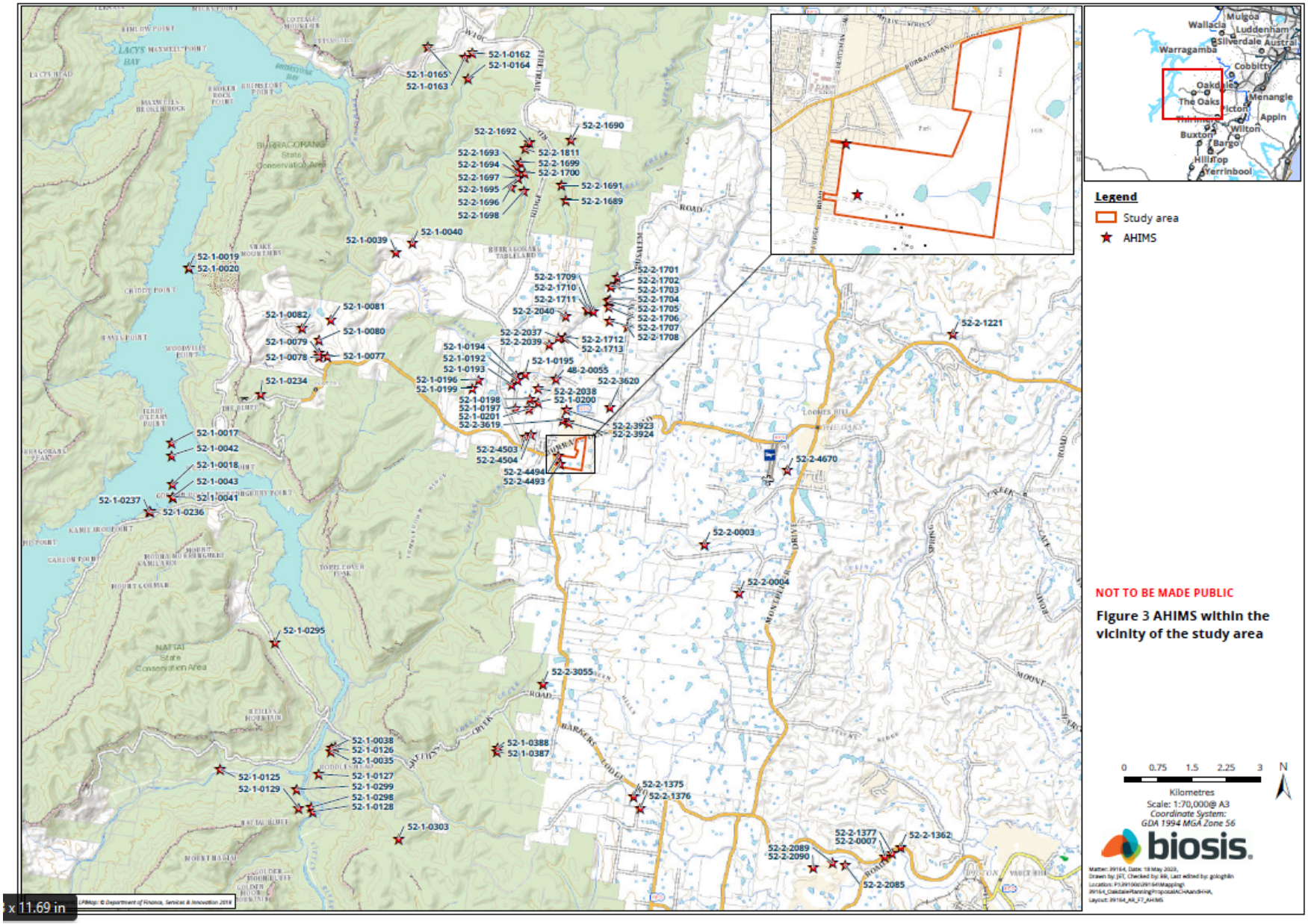


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
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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 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 Heritage NSW, 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.

- 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.

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11 July 2023

Carol Slater
Gilay Consultants
6 MacGibbon Parade, Old Erowal Bay NSW 2540

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area present within the study area.

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It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

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It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

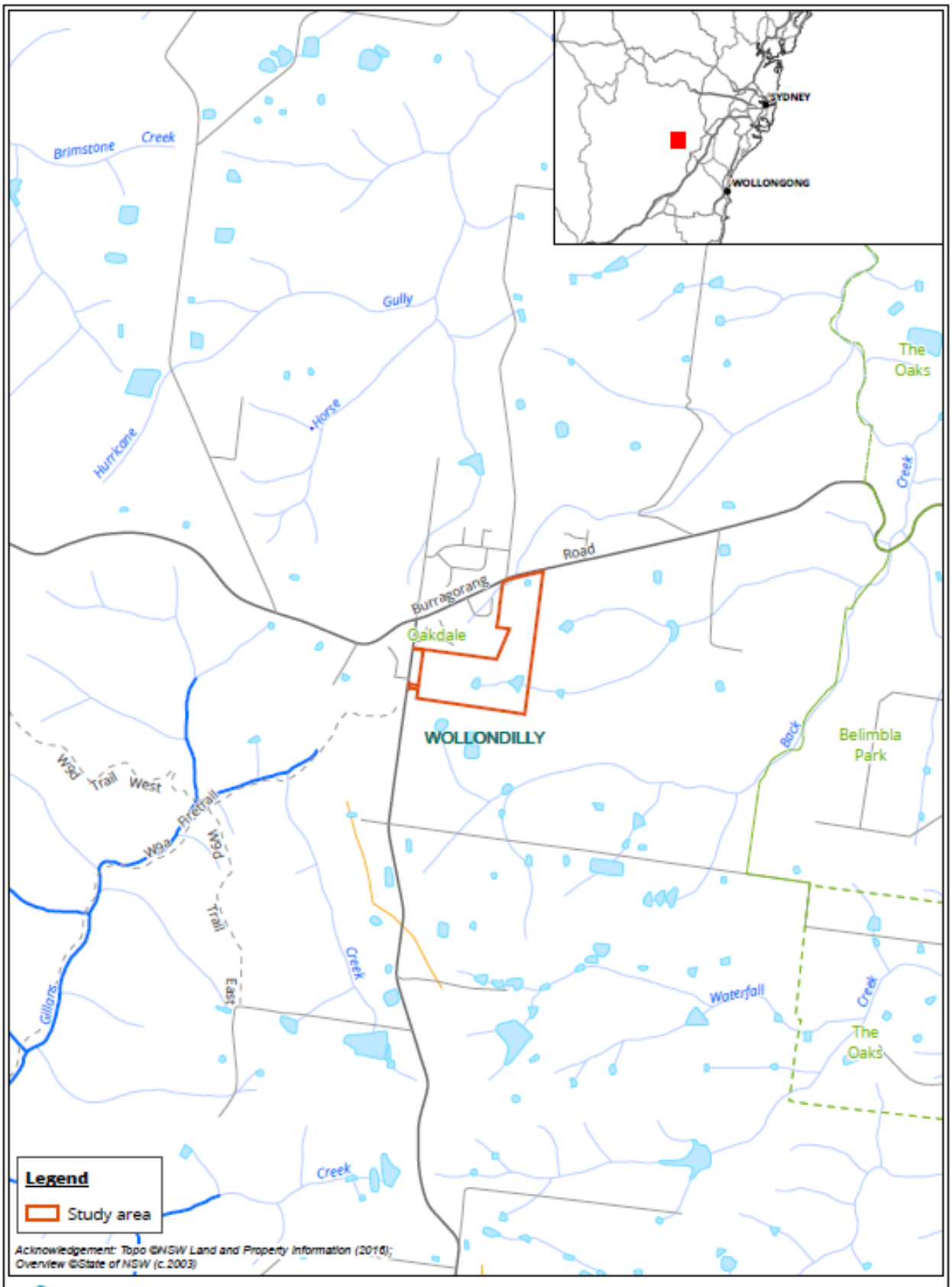
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

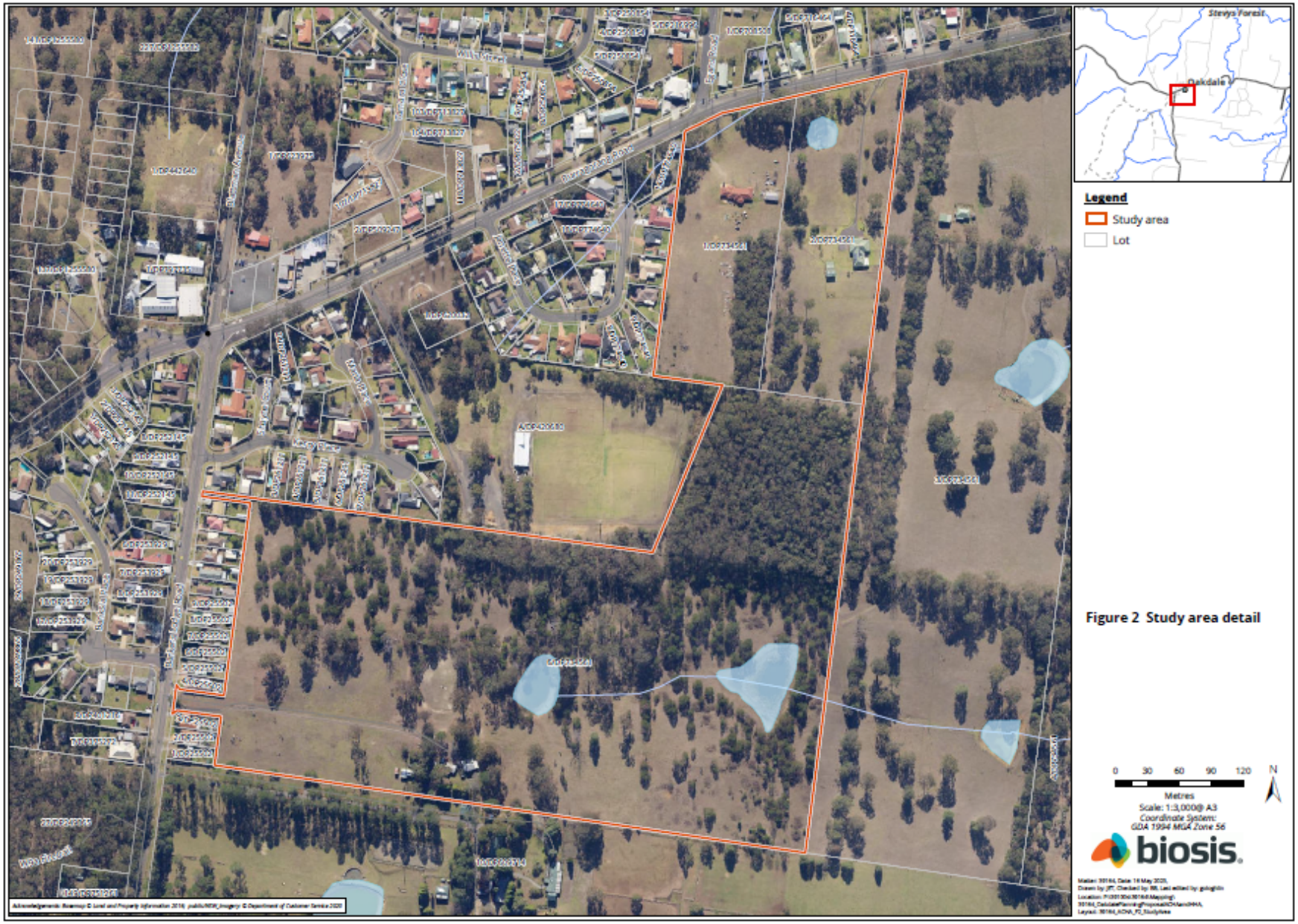
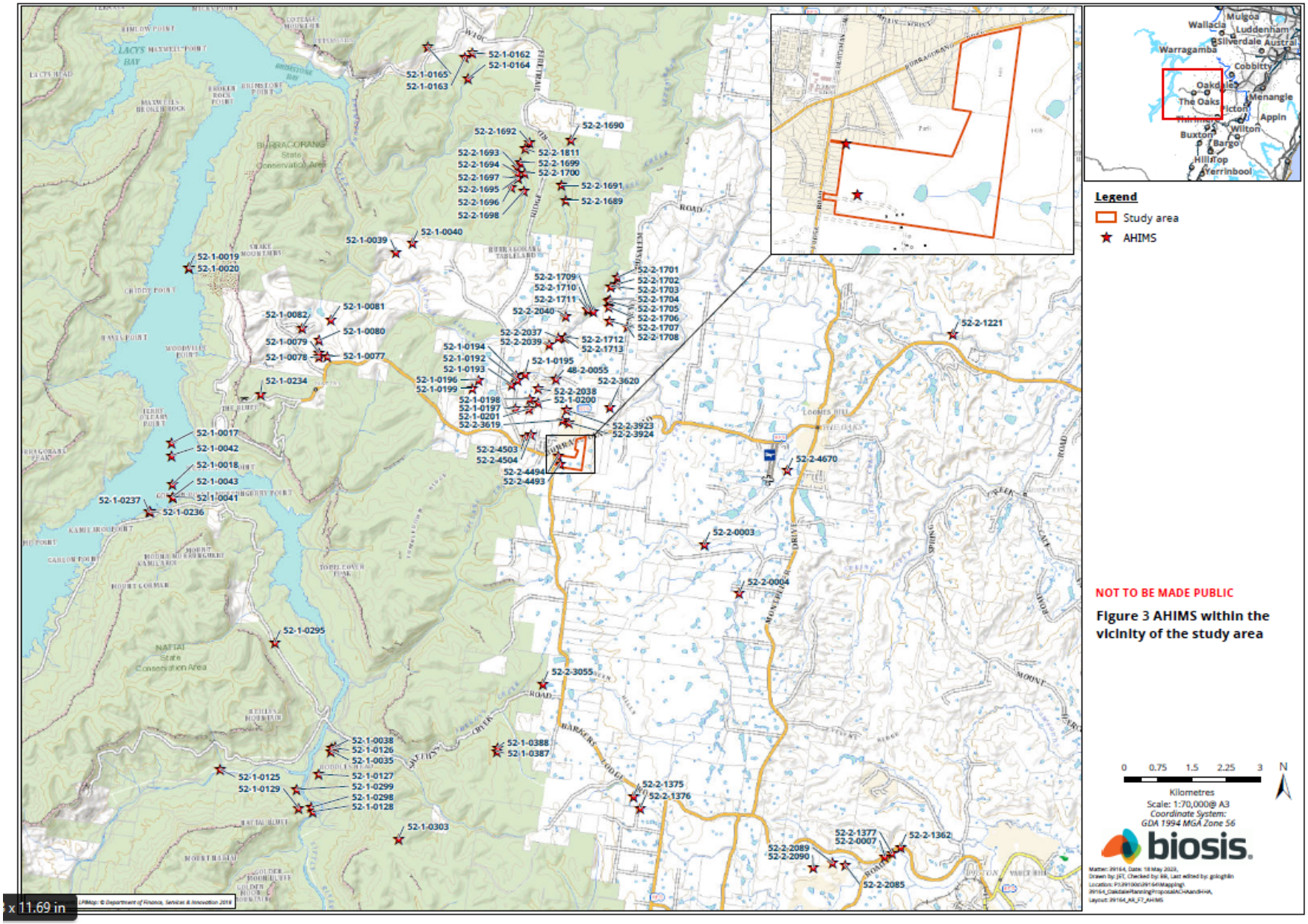


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
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52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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

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11 July 2023

Marilyn Carroll-Johnson
Corroboree Aboriginal Corporation
PO Box 344 Lithgow
NSW 2790

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Our Ref: Matter: 39164

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Please address feedback to:

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

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Graduate Heritage Consultant

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Project schedule

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

Action	Timeframe	Potential constraints and limitations
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Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken in accordance with their role specified in section 5 of the consultation requirements.

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- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
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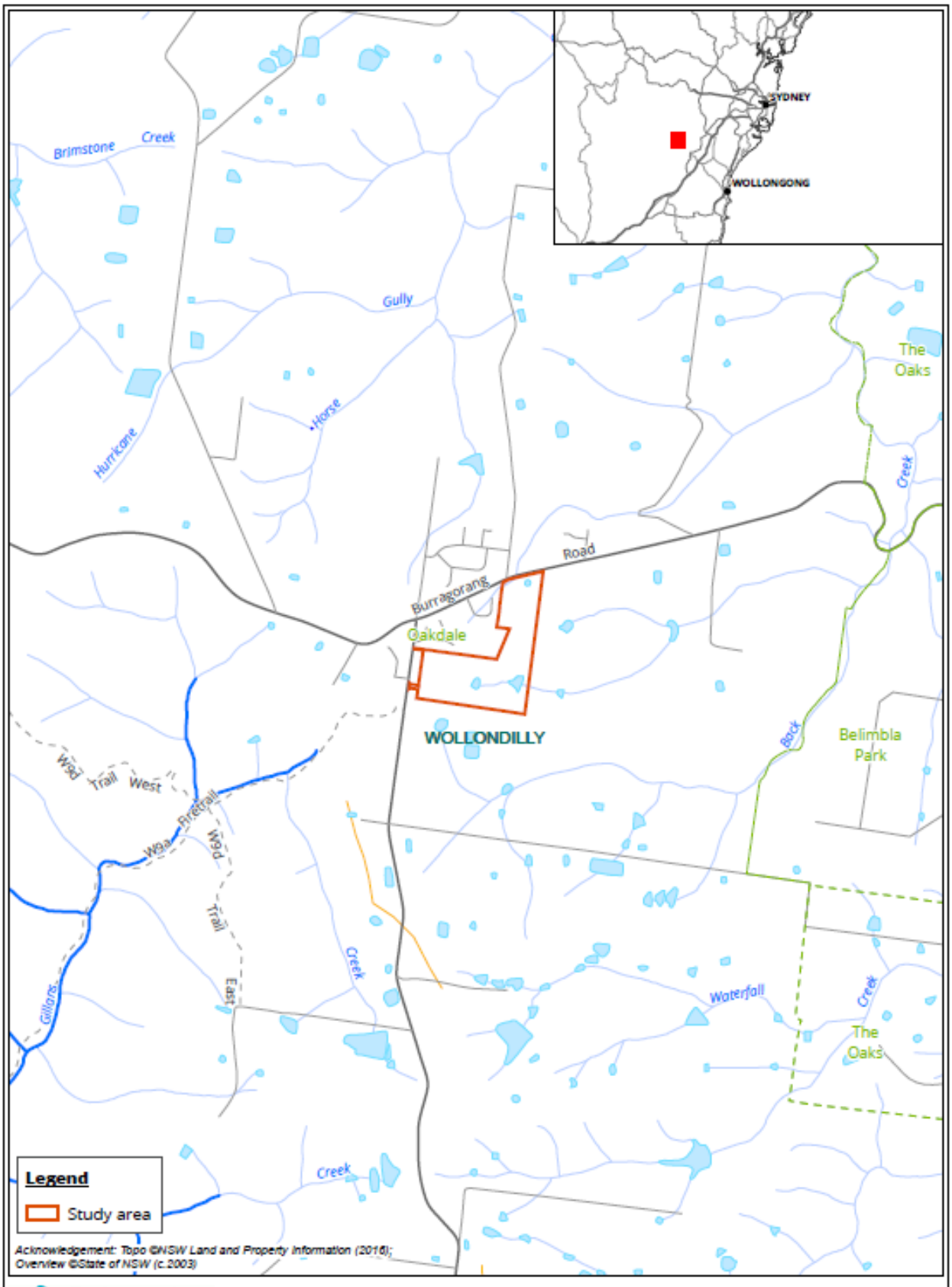
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.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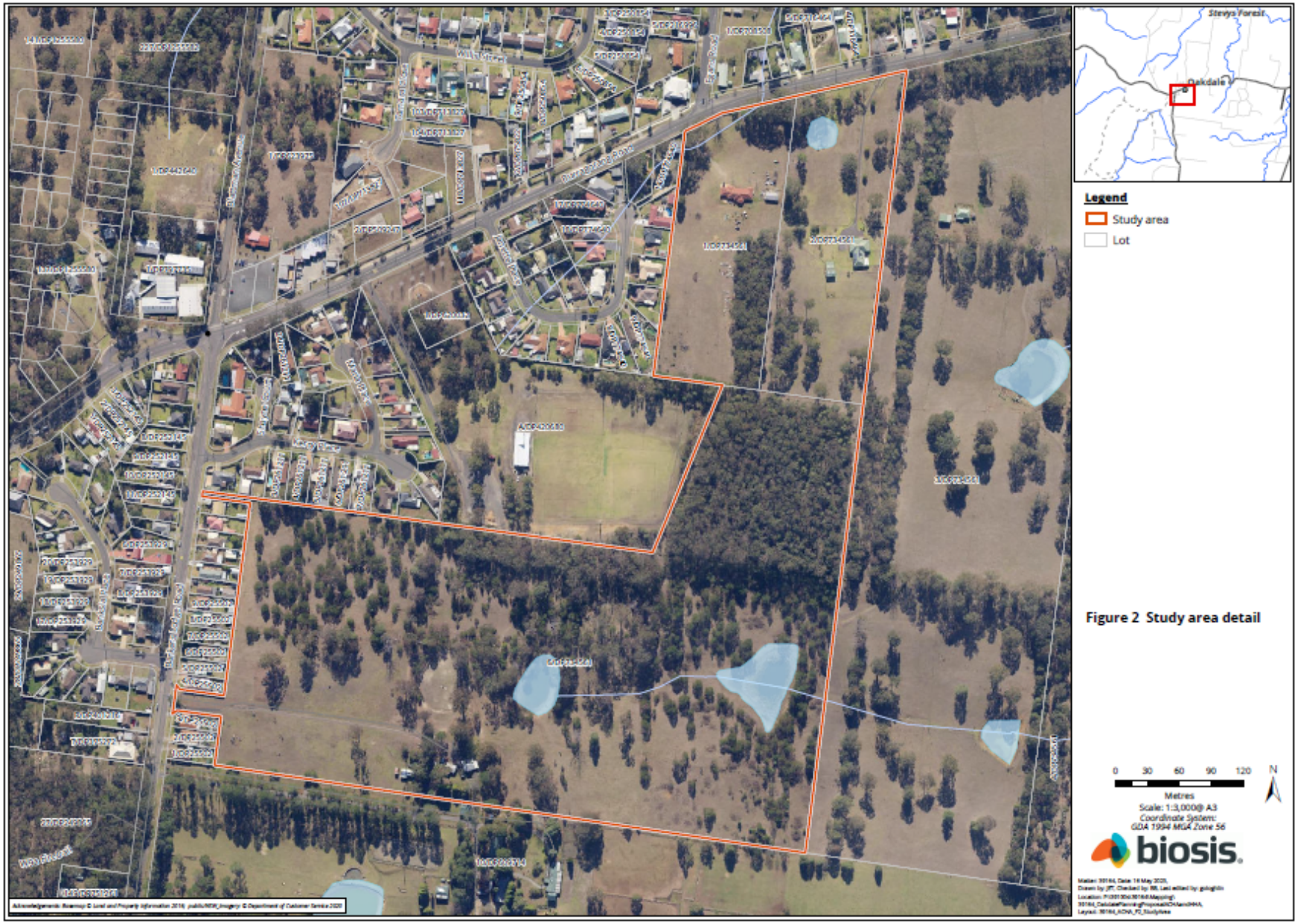
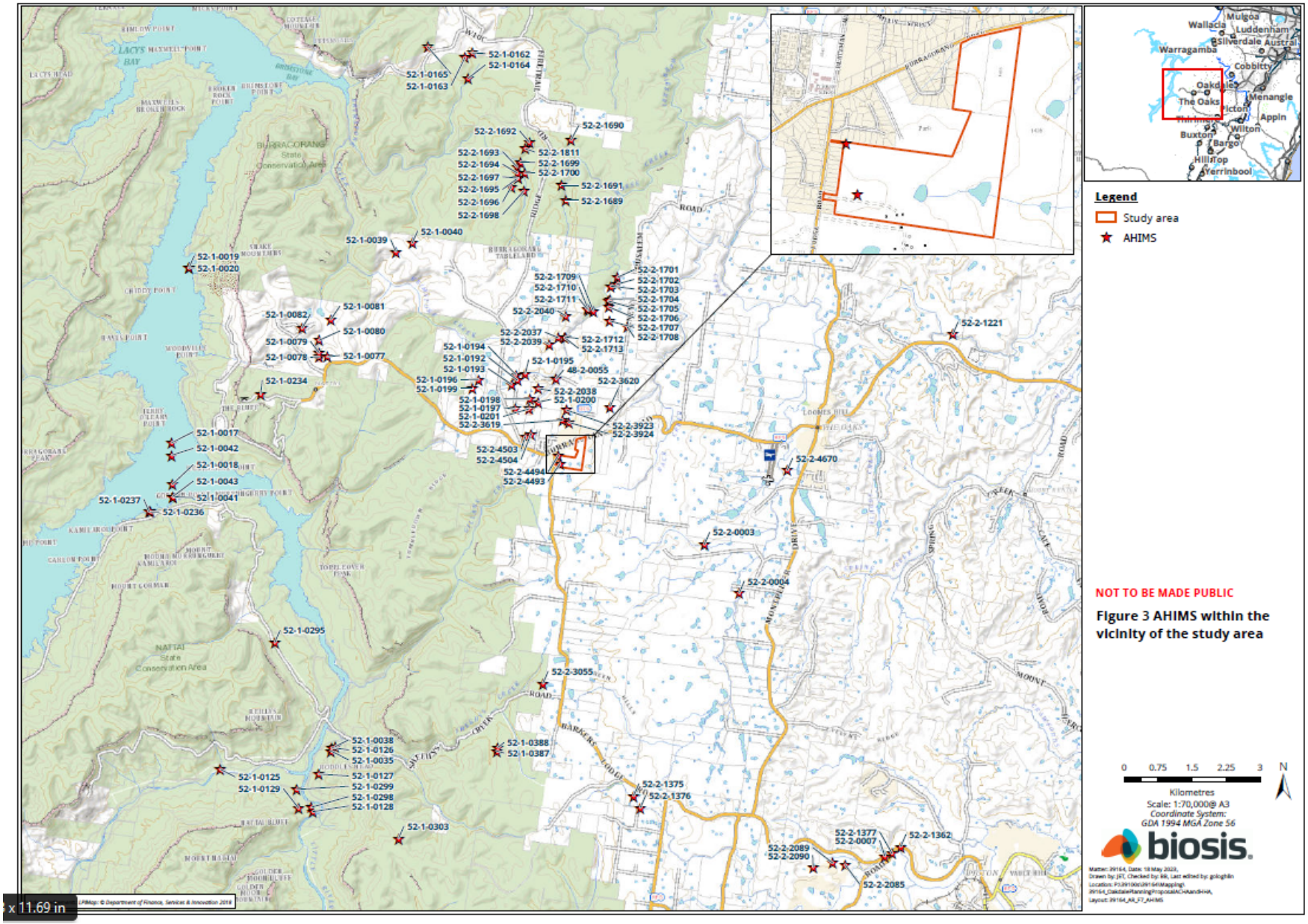


Figure 2 Study area detail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Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Timothy Stubbs
Timothy Stubbs
29 Cathy Street Blaxland 2774 NSW

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

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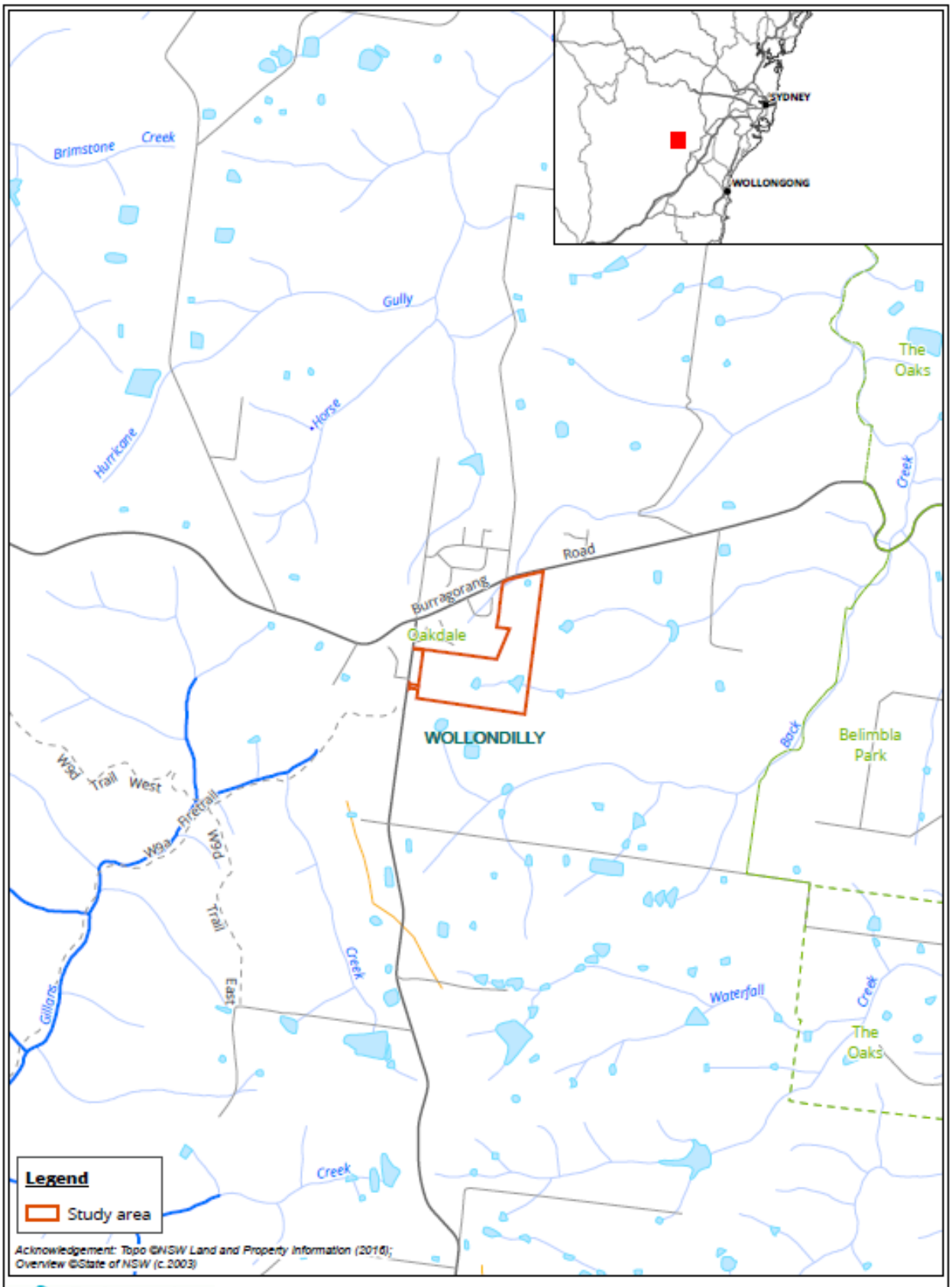
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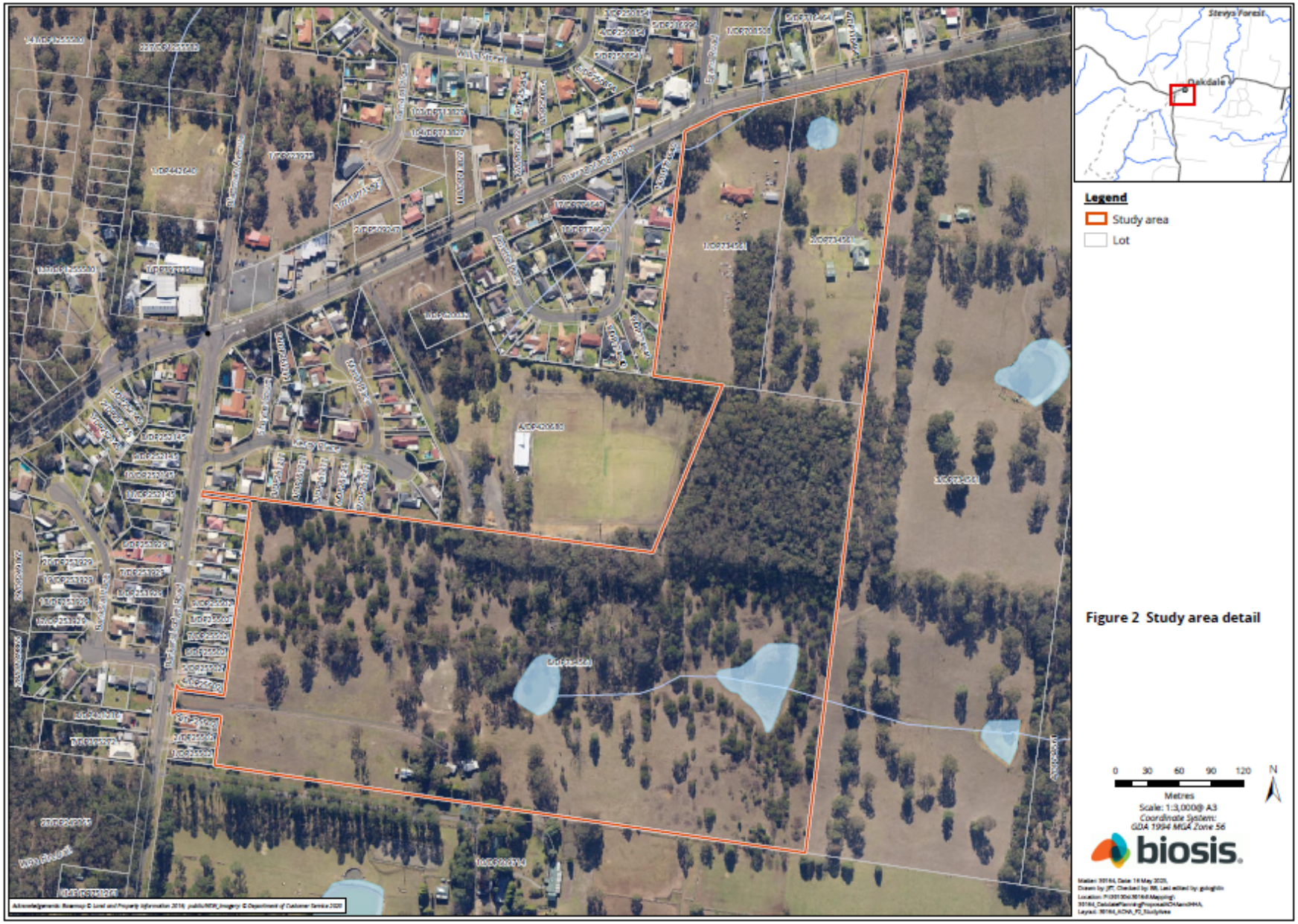

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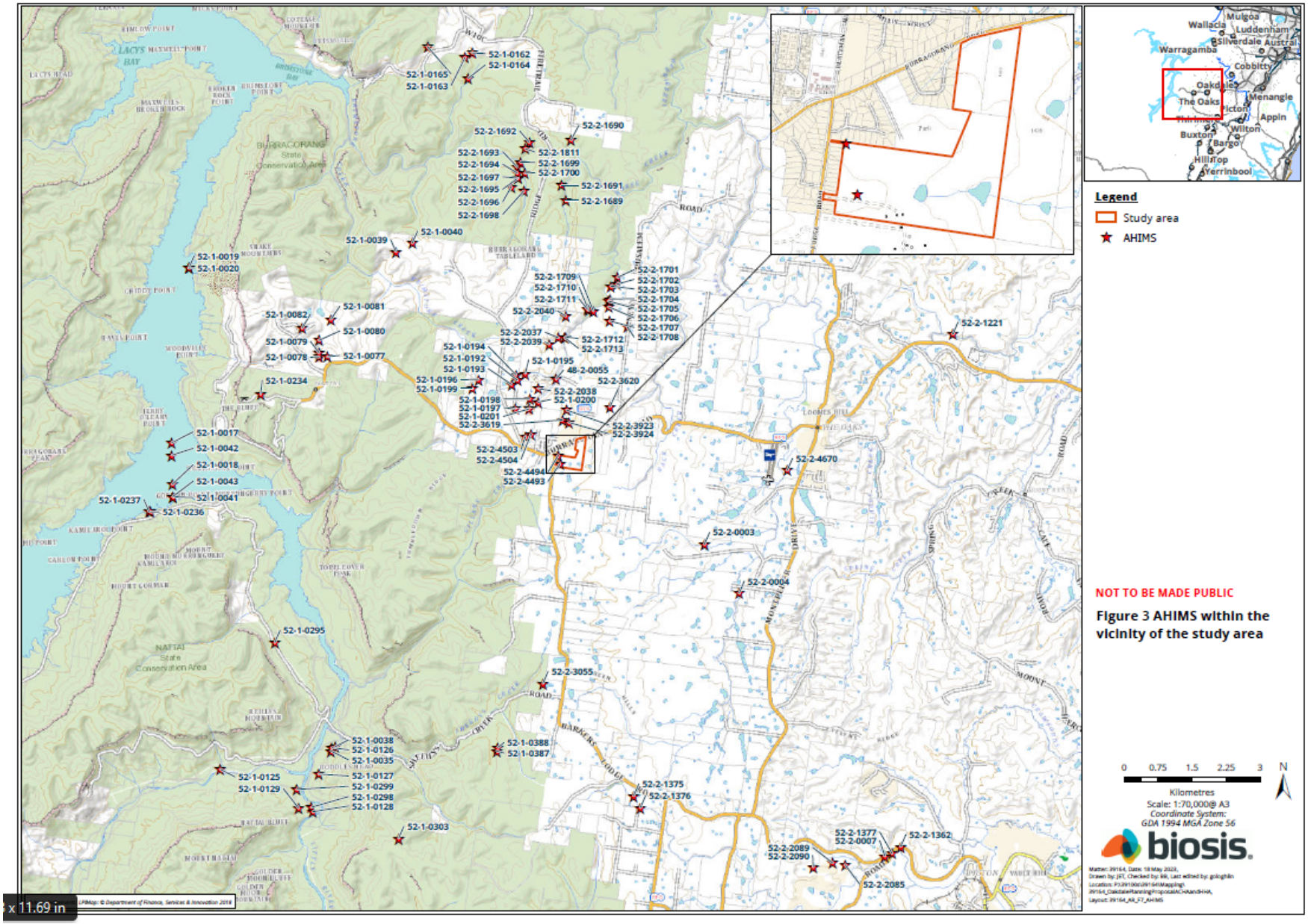
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Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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:

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- 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.
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- A summary of the historical uses of the study area will be developed.

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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 26 June 2023 via Biosis on behalf of Colliers 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.
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The principle objectives of the 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.

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- 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Helen Slater
Gali Heritage Consultants
7 Sutton Place, Minto NSW 2566

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

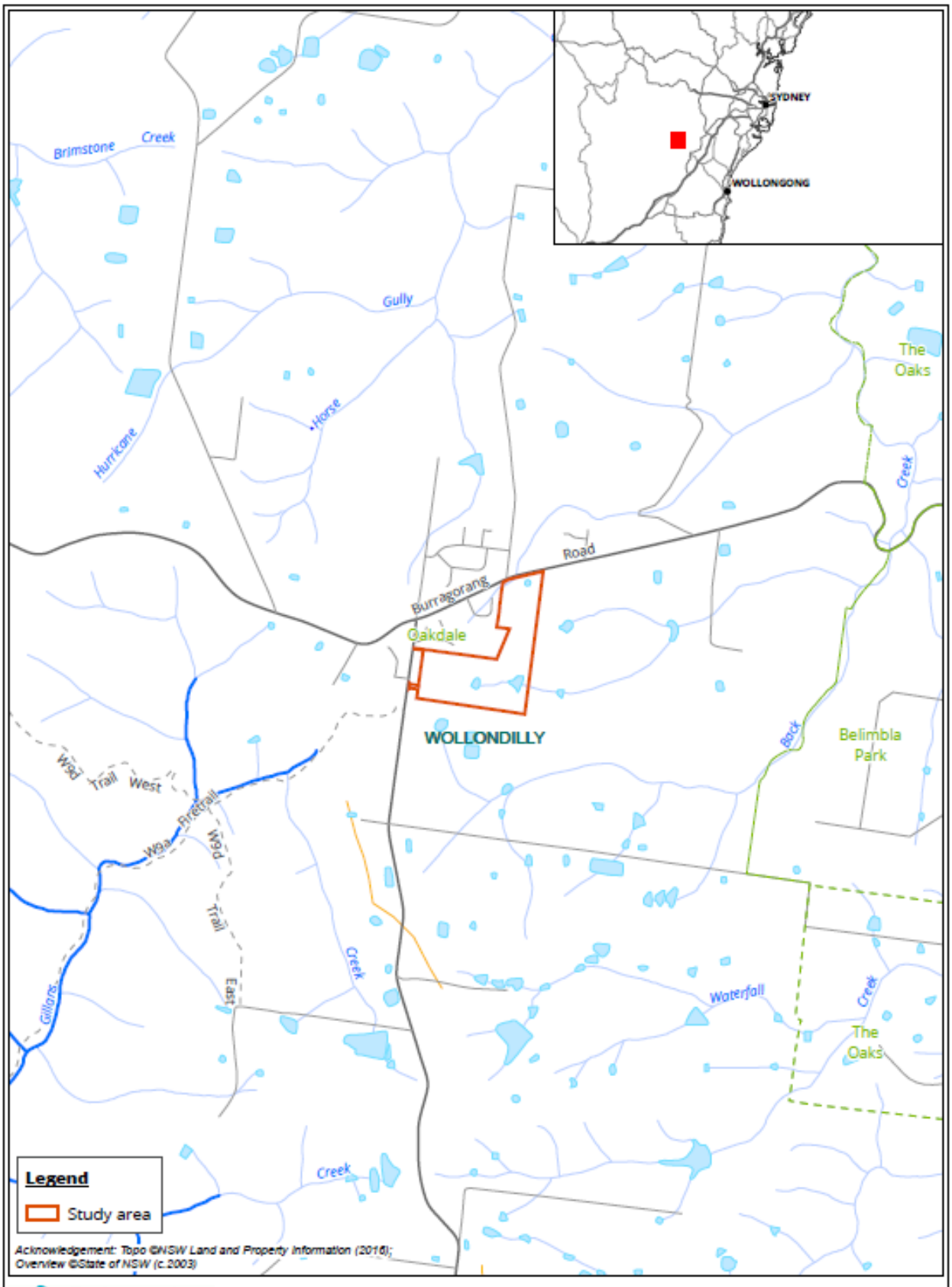
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

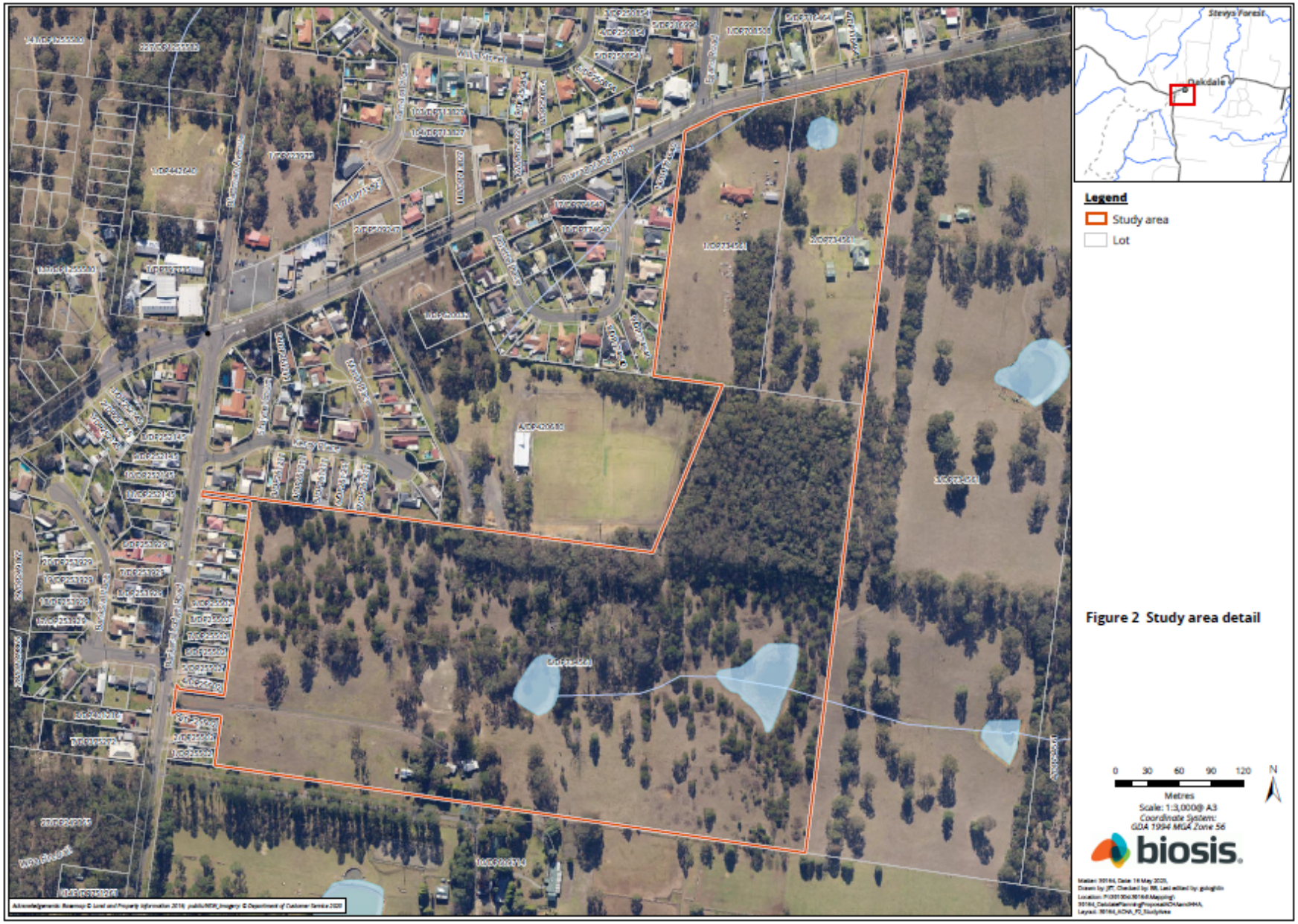
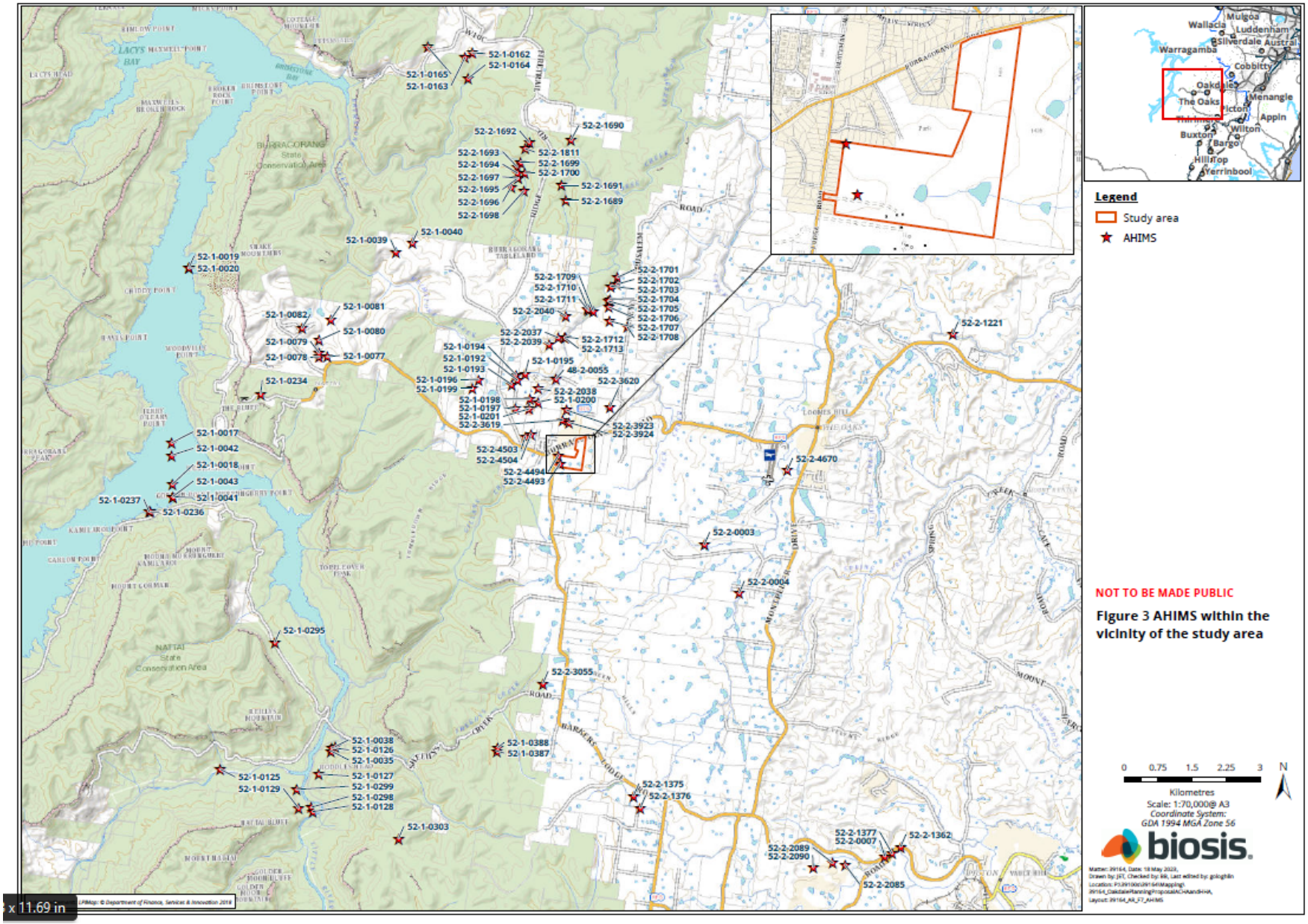


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
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- 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.
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**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

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- Archaeological test excavation results.

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

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11 July 2023

Arika Jalomaki
Yulay Cultural Services
28 Poplar Street North St Mary's NSW 2760

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

It is proposed that the existing large dam in the south-eastern part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve

Biosis has been engaged by Colliers to undertake the ACHA to inform the proposed works design for the study area. The ACHA will be prepared in accordance with *the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011). It includes an Archaeological Report (AR) prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) (the Code) and consultation with Aboriginal community in accordance with the consultation requirements. The ACHA will inform Colliers of any potential for the project to impact on or expose Aboriginal objects or sites. Biosis will provide recommendations based on the outcomes of the ACHA.

Study area

The study area encompasses 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561). It is within the Wollondilly Shire Council local government area (LGA) and is approximately 90 kilometers southwest of the Sydney central business district (Figure 1). The study area encompasses approximately 22.7 hectares of semi-rural private land and the adjacent road reserves (Figure 2).

Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

The background research for the study area identified that there are two drainage lines present within the study area from Back Creek, approximately 1.9 kilometres west of the study area. One of the unnamed first order streams flows in a westward direction into the study area, while the second unnamed first order stream flows in a south-western direction towards the northern portion of the study area.

Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

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 District Reporter on 23/06/2023
Notices sent to identified Aboriginal parties	09/06/23	N/A
Aboriginal stakeholder registration period	26/06/23 to 10/07/23	Registration period expired on 10/07/23
Field investigation	TBC	TBC
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

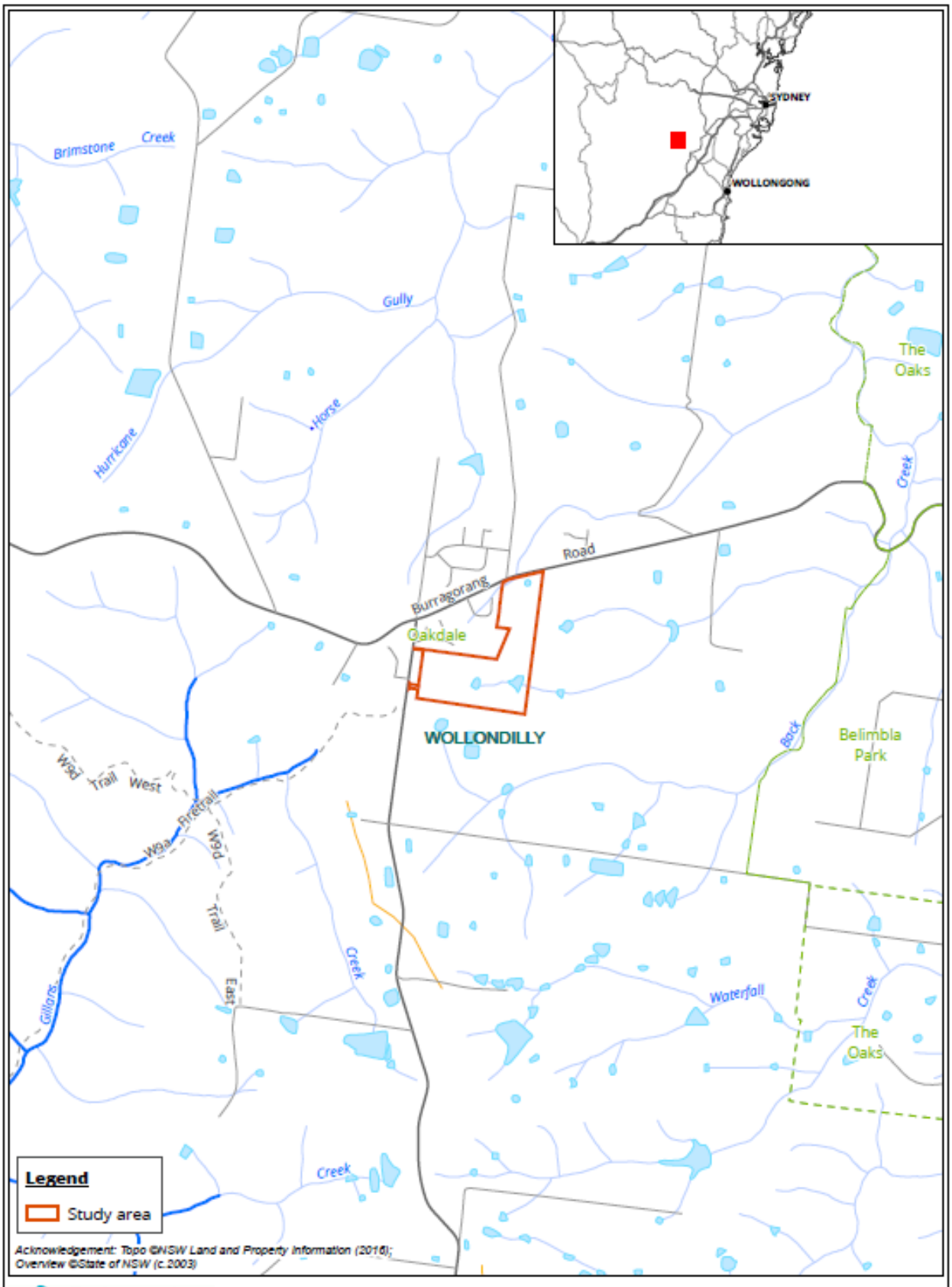
Responsibilities and roles

As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken 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:

- Displaying a meaningful appreciation, understanding and respect for the belief system, spiritual connection, and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Upholding and respecting the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women.
- Encouraging active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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.


SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

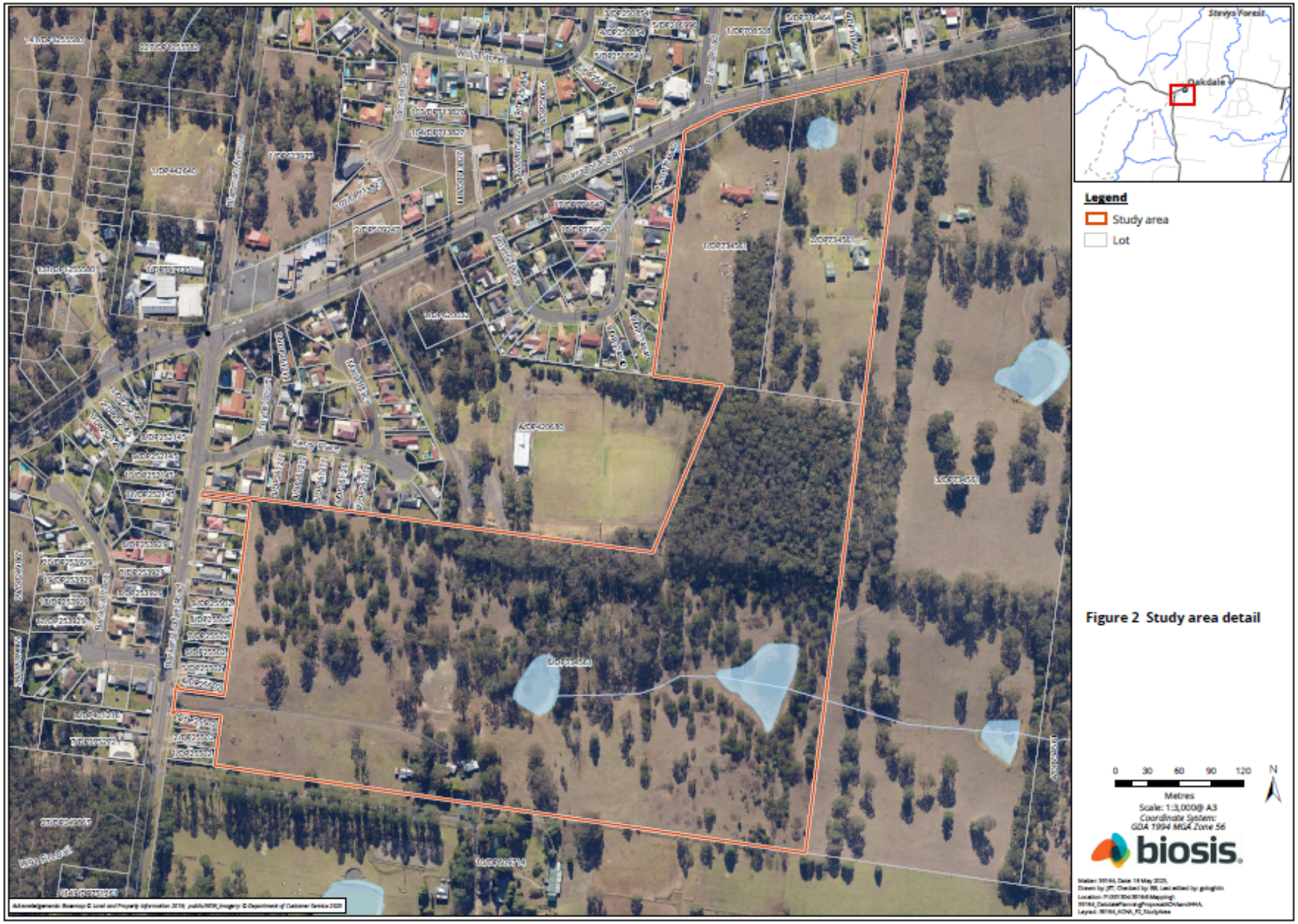
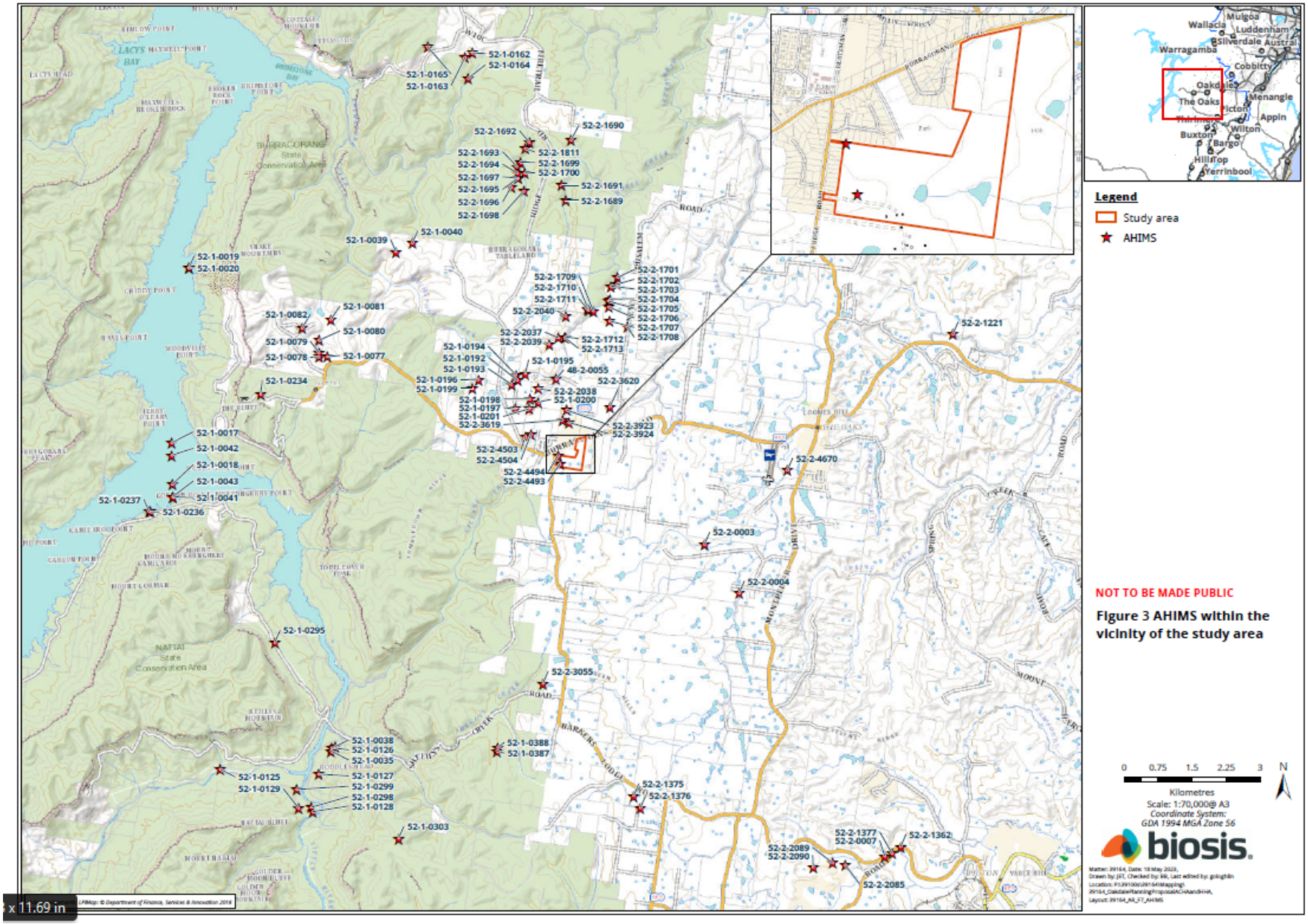


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
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52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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.
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11 July 2023

Robyn Straub
Tharawal Local Aboriginal Land Council

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Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

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Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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Study area

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Background

A search of the Aboriginal Heritage Information Management System (AHIMS) database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 by 9 kilometre search area, centred on the study area (Figure 3). Two of these registered sites, AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. AHIMS 52-2-4494/BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. AHIMS BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing.

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Within the study area there is a rises landform pattern present. The rises landform pattern consists of very low relief (9–30 metres) and very gentle to steep slopes. It contains fixed, erosional stream channels that are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Typical landform elements that are associated with the rises landform pattern are hillslopes, footslopes and drainage depressions, all of which are present within the study area. The hillslope landform is a gently inclined to precipitous slope, commonly simple and maximal, eroded by sheet wash, creep, or water-aided mass movement. Footslopes are moderately to gently inclined waning lower slopes resulting from aggradation or erosion by sheet flow, earth flow or creep. Drainage depressions are level to gently inclined, long, narrow, shallow open depressions with smoothly concave cross-section, rising to moderately inclined side slopes, eroded, or aggraded by sheet wash.

Project schedule

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

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As part of the consultation process, RAPs will be provided the opportunity to offer input into regulatory processes, contribute to decision making by proponents and government authorities, respond to requests for cultural information and comment on draft reporting, as appropriate. This will be undertaken in accordance with their role specified in section 5 of the consultation requirements.

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- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
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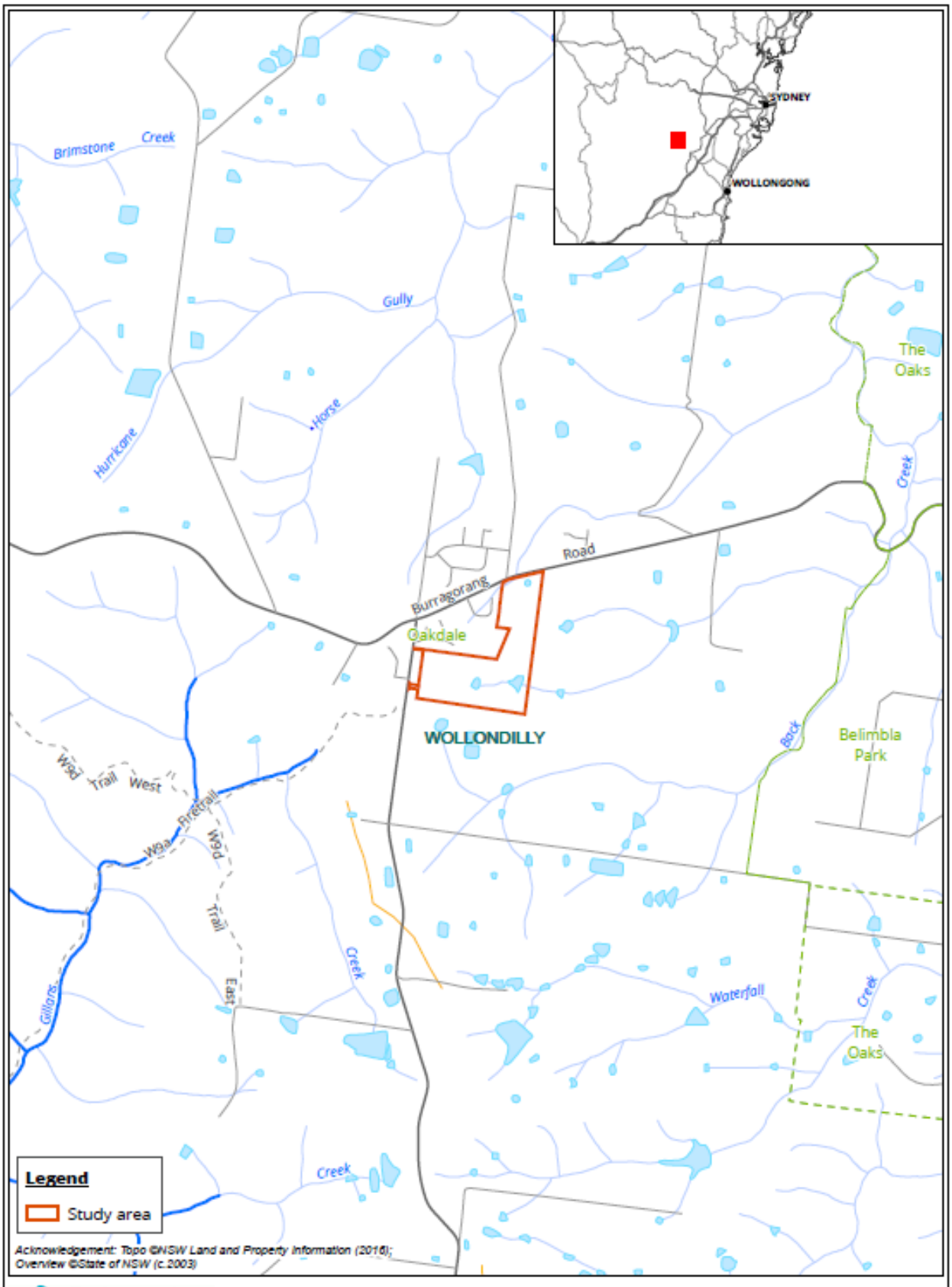

SYDNEY
WOLLONGONG
Brimstone Creek
Gully
Horse
Hurrikane
The Oaks
Creek
Road
Burragorang
Oakdale
WOLLONDILLY
Belimbla Park
Rock
Trail West
Waq
Firetrail
Trail
East
Creek
Waterfall
Creek
The Oaks
Gillards
Creek
Legend
Study area
Acknowledgement: Topo ©NSW Land and Property Information (2016); Overview ©State of NSW (c.2003)
biosis
Figure 1 Location of the study area
Matter: 39164, Date: 16 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposal\ACHAandHHA
Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

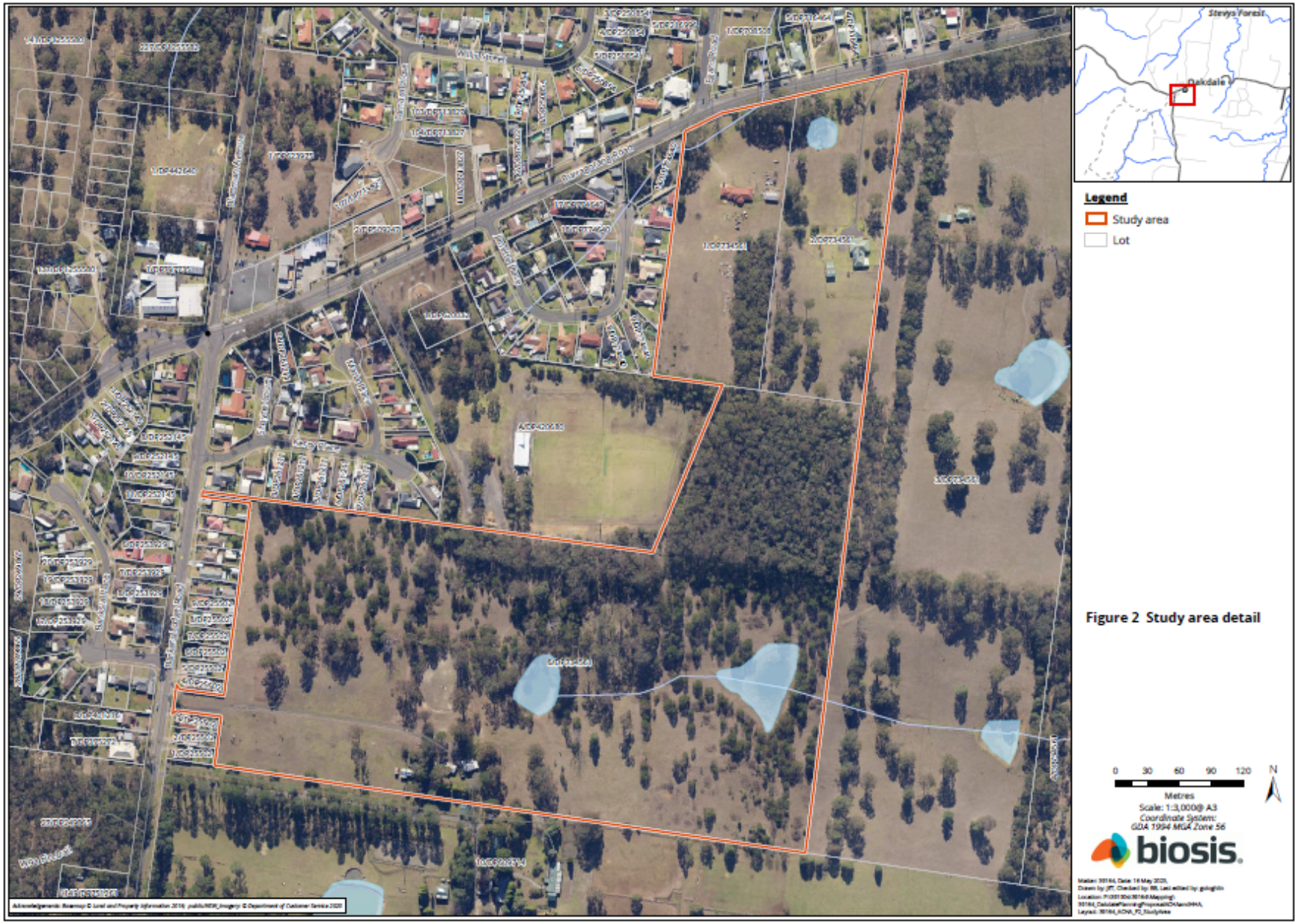
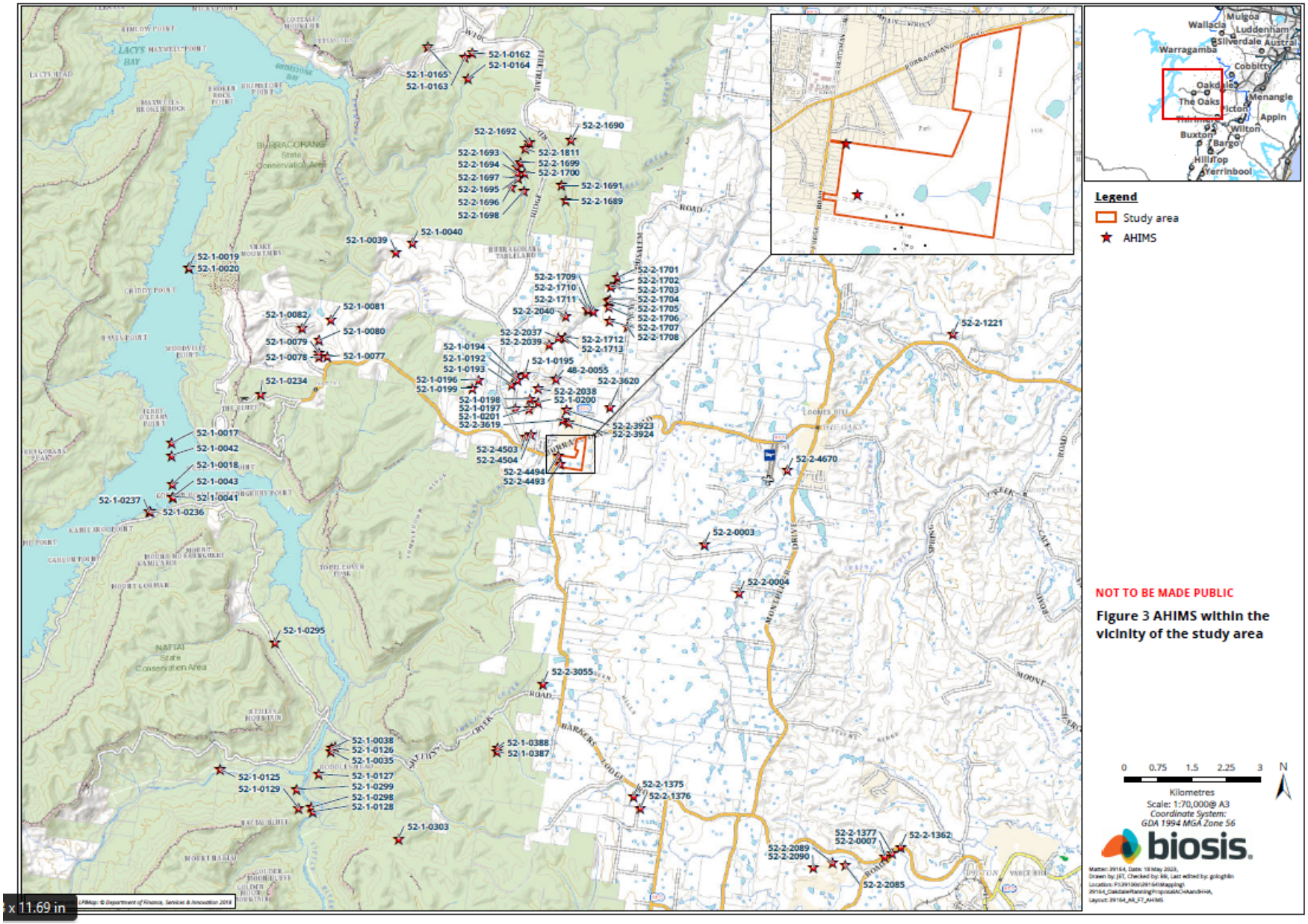


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
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52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

11 July 2023

Robyn Straub
Tharawal Local Aboriginal Land Council

Dear First Name,

Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

Our Ref: Matter: 39164

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).

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 ACHA will also assist Colliers in modifying their development plans to minimise or mitigate the impacts the works will have on known and any unknown Aboriginal heritage values that area 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 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Yours sincerely,

Bronte Baonza
Graduate Heritage Consultant

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

The Colliers Planning Proposal proposes to:

- Rezone up to 19.1 hectares of the study area to R2 – Low Density Residential.
- Facilitate a yield of up to 160 lots to enable urban development to occur within the study area.
- Retain approximately 3.6 hectares of C2 Environmental Conversation zoned land to support the conservation of existing native vegetation adjoining Willis Park.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 metres squared in keeping with the character of the village.

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- Encouraging opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process.
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Supply suitable project information and provide the opportunity for Aboriginal stakeholders to provide input into the heritage management process (DECCW 2010b).

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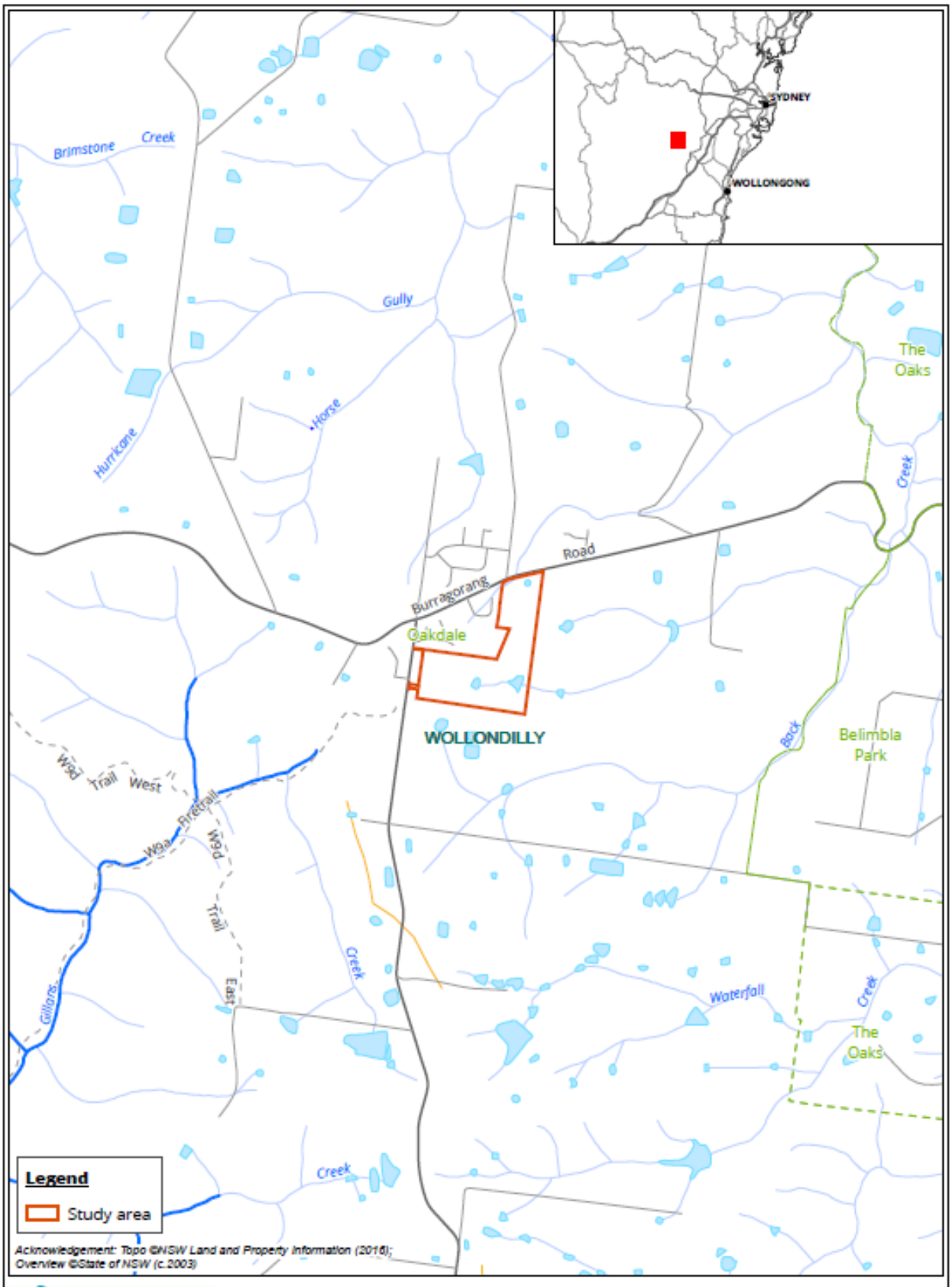
SYDNEY
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biosis
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Layout: 39164_ACHA_FT_Locality
0 200 400 600 800 1,000
Metres
Scale 1:25,000@ A4, GDA 1994 MGA Zone 56
N

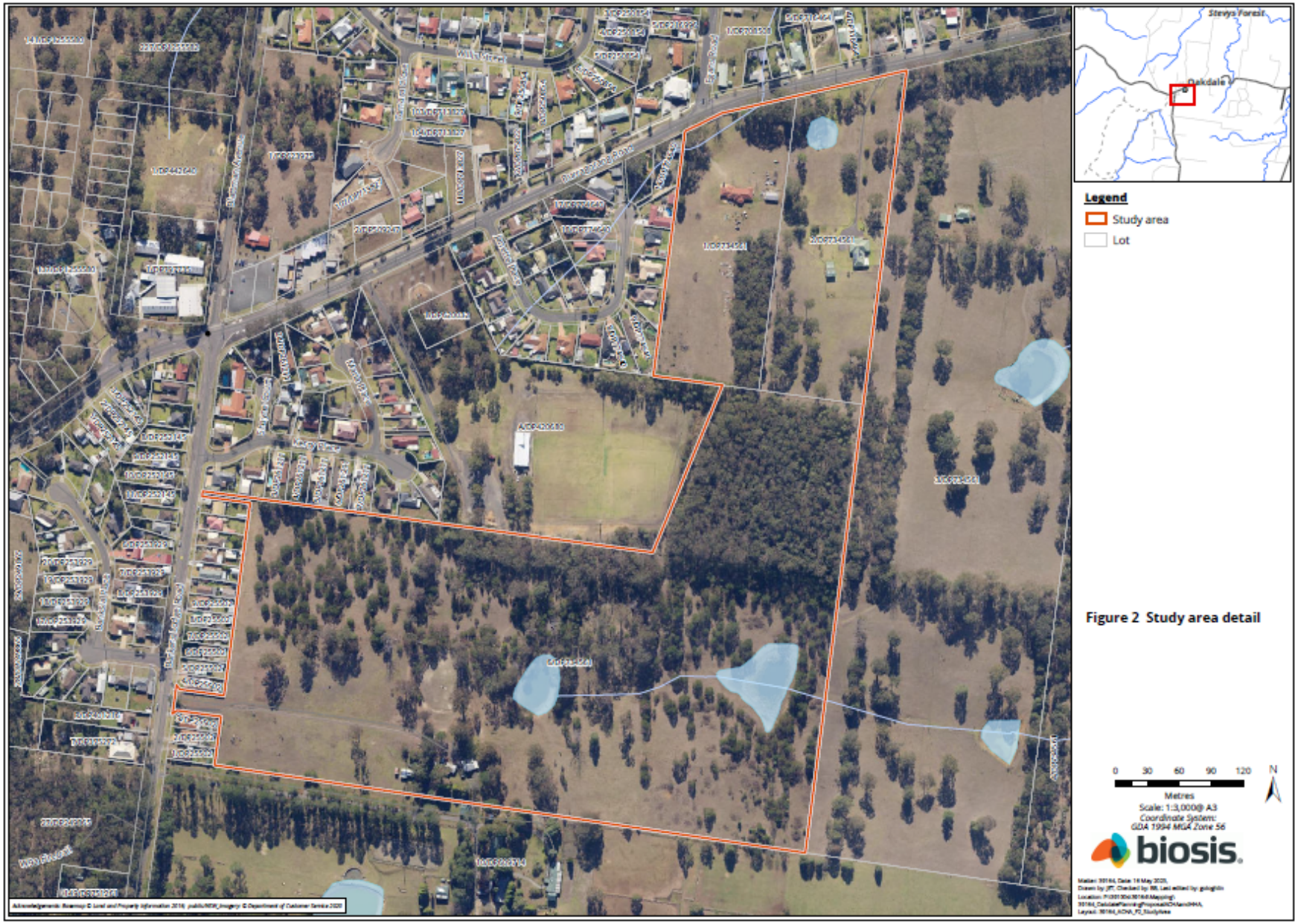
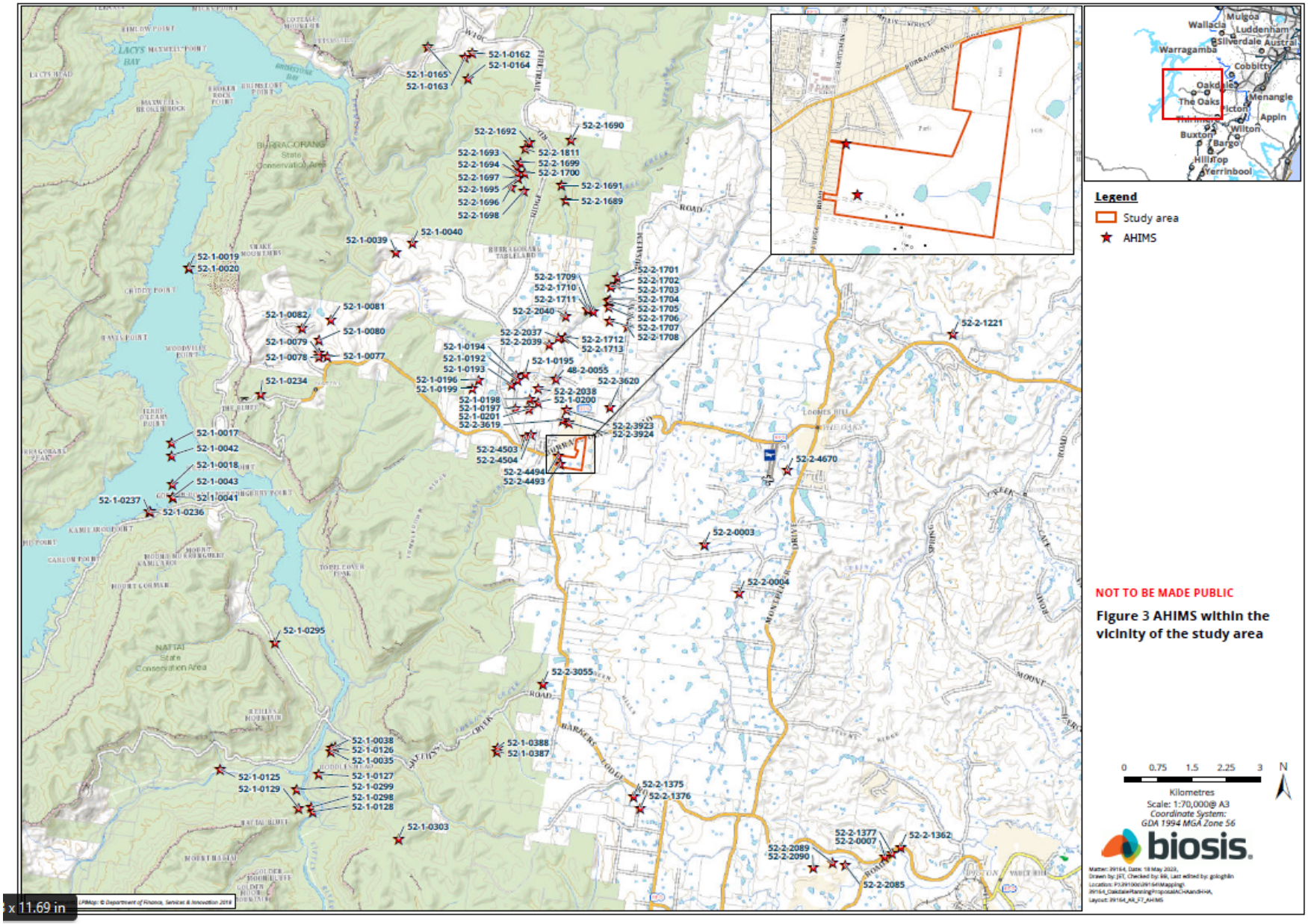


Figure 2 Study area detail


Legend
Study area
AHIMS
NOT TO BE MADE PUBLIC
Figure 3 AHIMS within the vicinity of the study area
0 0.75 1.5 2.25 3
Kilometres
Scale: 1:70,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56
N
Mulgoa
Wallacia
Luddenham
Silverdale
Warragamba
Cobbitty
Oakdale
The Oaks
Menangle
Appin
Wilton
Buxton
Bargo
Hilltop
Yerrinbool
BURRAGORANG State Conservation Area
NATTAI State Conservation Area
52-1-0162
52-1-0164
52-1-0165
52-1-0163
52-2-1692
52-2-1690
52-2-1693
52-2-1811
52-2-1694
52-2-1699
52-2-1697
52-2-1700
52-2-1695
52-2-1691
52-2-1696
52-2-1689
52-2-1698
52-1-0039
52-1-0040
52-1-0019
52-1-0020
52-2-1709
52-2-1701
52-2-1710
52-2-1702
52-2-1711
52-2-1703
52-2-1704
52-2-1705
52-2-1706
52-2-1707
52-2-1708
52-2-2040
52-1-0081
52-1-0082
52-1-0080
52-1-0079
52-1-0078
52-1-0077
52-2-2037
52-2-2039
52-2-1712
52-2-1713
52-1-0194
52-1-0192
52-1-0193
52-1-0195
48-2-0055
52-1-0196
52-1-0199
52-2-3620
52-2-2038
52-1-0198
52-1-0200
52-1-0197
52-1-0201
52-2-3619
52-2-3923
52-2-3924
52-1-0234
52-2-4503
52-2-4504
52-2-4494
52-2-4493
52-1-0017
52-1-0042
52-1-0018
52-1-0043
52-1-0237
52-1-0041
52-1-0236
52-1-0295
52-2-3055
52-1-0038
52-1-0126
52-1-0035
52-1-0388
52-1-0387
52-1-0125
52-1-0127
52-1-0129
52-1-0299
52-1-0298
52-1-0128
52-1-0303
52-2-1375
52-2-1376
52-2-1377
52-2-0007
52-2-1362
52-2-2089
52-2-2090
52-2-2085
52-2-1221
52-2-4670
52-2-0003
52-2-0004

Stage 3 – Gathering information about cultural significance

The aim 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 2010b, pp. 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 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 26 June 2023 via Biosis on behalf of Colliers 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 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.

Archaeological test excavations (if required)

Any areas of Potential Archaeological Deposit (PAD) identified during the field investigation which cannot be avoided by the construction works will be subject to archaeological test excavations in line with the Code as outlined below.

Aims

The principle objectives of the 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 m^2).
- 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 3 millimetre sieves. As the study area is within the clay-rich Blacktown soil landscape, wet sieving will be used.
- All cultural material will be collected, bagged and clearly labelled. They will be temporarily stored in the Biosis office for analysis at Unit 14, 17-27 Power Avenue, Alexandria NSW 2015.
- 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.
- If suspected human remains are identified works will immediately cease and the NSW Police and Heritage NSW will be notified.

- Test excavations will cease when enough information* has been recovered to adequately characterise the objects present regarding their nature and significance.

**Enough information is defined by Heritage NSW 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 2010a, pp. 28).

Storage of cultural material

Any cultural material identified during test excavations will be temporarily stored in the Biosis, Sydney office for analysis (Unit 14, 17–27 Power Avenue, Alexandria NSW 2015).

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.

Long term care of artefacts (if required)

If Aboriginal artefacts are recovered during test excavations, the long term care and control of those artefacts will be discerned through community consultation. There are various care and control methods that can be considered, including:

- Reburial of any cultural material on site within a location that will not be disturbed by the development.
- Establish a formal agreement with the LALC to keep the cultural material.

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 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 Heritage NSW, 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.

- 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

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

DECCW 2010b. *Aboriginal Cultural Heritage Consultation Requirements for Proponents*, New South Wales Government Department of Environment and Climate Change, Sydney NSW.

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

From: Crystal Garabedian
To: bariyan.culturalconnections@gmail.com
Subject: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Tuesday, 18 July 2023 3:52:47 PM
Attachments: 39164.Sent.20230718.pdf

Good afternoon,

Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (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 5:00pm 15 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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

Kind regards,
Crystal Garabedian

From: Crystal Garabedian
To: ngambaa.culturalconnections@gmail.com
Subject: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Tuesday, 18 July 2023 3:52:46 PM
Attachments: 39164.Sent.20230718.pdf

Good afternoon,

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14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

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Kind regards,
Crystal Garabedian

From: Crystal Garabedian
To: james.eastwood@y7mail.com
Subject: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Tuesday, 18 July 2023 3:52:46 PM
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cgarabedian@biosis.com.au

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Kind regards,
Crystal Garabedian

From: Crystal Garabedian
To: kgchalker@bigpond.com
Subject: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Tuesday, 18 July 2023 3:52:45 PM
Attachments: 39164.Sent.20230718.pdf

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From: Crystal Garabedian
To: gamila_roi@yahoo.com.au
Subject: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Tuesday, 18 July 2023 3:52:48 PM
Attachments: 39164.Sent.20230718.pdf

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cgarabedian@biosis.com.au

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Kind regards,
Crystal Garabedian

From: Crystal Garabedian
To: reception@tharawal.com.au
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:45 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: yulayculturalservices@gmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:45 AM
Attachments: 39164.Stage2.3.Sent.pdf

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cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: Helens27@outlook.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:44 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: tmsbrick@hotmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:43 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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From: Crystal Garabedian
To: corroboreecorp@outlook.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:43 AM
Attachments: 39164.Stage2.3.Sent.pdf

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Kind regards,
Crystal

From: Crystal Garabedian
To: cal.slater61@gmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:42 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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cgarabedian@biosis.com.au

Kind regards,
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From: Crystal Garabedian
To: philipkhan.acn@live.com.au
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:41 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by 5:00pm 8 August 2023 either by email, phone or return mail.

Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: kelvingoogieboney@gmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:40 AM
Attachments: 39164.Stage2.3.Sent.pdf

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Crystal Garabedian
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14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: "butuheritage@gmail.com"
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:39 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: "konanggo_consultancy@hotmail.com"
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:38 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: "mundawari.hc@gmail.com"
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:38 AM
Attachments: 39164.Stage2.3.Sent.pdf

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Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: RAW.CulturalHealing@hotmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:37 AM
Attachments: 39164.Stage2.3.Sent.pdf

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14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: Dharramalin.culture@gmail.com
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:36 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: didgengunawalclan@yahoo.com.au
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:35 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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Please address feedback to:

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Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Crystal Garabedian
To: ceo@tharawal.com.au
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 8:23:00 AM
Attachments: 39164.Stage2.3.Sent.pdf

Good morning,

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Please address feedback to:

Crystal Garabedian
Biosis Pty Ltd
14/17–27 Power Avenue, Alexandria
cgarabedian@biosis.com.au

Kind regards,
Crystal

From: Kayelene Terry
To: Crystal Garabedian
Subject: Re: 39164 - Oakdale Planning Proposal: Stage 2 and 3 Aboriginal Community Consultation
Date: Wednesday, 19 July 2023 2:06:55 PM
Attachments: image909266.png
image299037.png
image972884.png
image988688.png

On behalf of Bariyan Cultural Connections we have read and agree with the project information and assessment methodology and would like to be involved in any future meetings and field work

On Tue, Jul 18, 2023 at 3:53 PM Crystal Garabedian <CGarabedian@biosis.com.au> wrote:

> Good afternoon,
>
> Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).
>
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>
> It would be appreciated if you would provide feedback on the project information and methodology presented in this letter to Biosis by 5:00pm 15 August 2023 either by email, phone or return mail.
>
> Please address feedback to:
>
> Crystal Garabedian
> Biosis Pty Ltd
> 14/17-27 Power Avenue, Alexandria
> cgarabedian@biosis.com.au
>
> Please do not hesitate to contact me if you require additional information or have any queries about the methodology or information provided.
>
> Kind regards,
> Crystal Garabedian
> **Crystal Garabedian** She/Her
> Heritage Consultant
>
> 0456 625 253
> (02) 9101 8727
> CGarabedian@biosis.com.au
>
> **Leaders in Ecology and Heritage Consulting**
>
> **Biosis acknowledges the Aboriginal and Torres Strait Islander people as Traditional Custodians of the country on which we live and work.**
> **We pay our respects to the Traditional Custodians and Elders past, present and future, and honour their connection to the land and ongoing contribution to society.**
>
> 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.

--
Kind Regards
Kayelene Terry - Manager
Bariyan Cultural Connections
Darug Country
P: 0412 061 893
E: bariyan.culturalconnections@gmail.com
Aboriginal Owned and Operated Cultural and Heritage Business

We would like to acknowledge the traditional Custodians of Country which we live and work and recognize their continuing connection to land, waters and culture. We would like to pay our respects to the First Nations People Elders past, present and extend to all that we may meet on our journey,

From: Dean Delponte
To: Crystal Garabedian
Subject: Re: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Saturday, 15 July 2023 10:05:45 AM
Attachments: image625880.png
image597962.png
image191848.png
image659087.png

Dear Crystal,

Thank you for your email.

After reviewing the methodology MHC is in support of the process to complete the survey and test excavations for Burragorang Road and Barkers Lodge Road, Oakdale.

Our consultants have extensive experience in assisting proponents and archaeologists in ACHA work. We have insurance certificates (public liability/workers compensation) of currency available on request.

We look forward to working with you.

Kind Regards

Dean Delponte

Director

0413186133

mundawari.hc@gmail.com

MUNDAWARI Heritage Consultants

IMPORTANT: The contents of this email and any attachments are confidential. They are intended for the named recipient(s) only. If you have received this email by mistake, please notify the sender immediately and do not disclose the contents to anyone or make copies thereof.

On Tue, 11 Jul 2023 at 08:23, Crystal Garabedian <CGarabedian@biosis.com.au> wrote:

> Good morning,
>
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> cgarabedian@biosis.com.au
>
> Kind regards,
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> Heritage Consultant
>
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> (02) 9101 8727
> CGarabedian@biosis.com.au
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From: lilly carroll
To: Crystal Garabedian
Subject: Re: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 11 July 2023 10:18:43 AM
Attachments: image341344.png
image039718.png
image464428.png
image723195.png

Hi Crystal

We are happy from our own with everything

Sent from Yahoo Mail for iPhone

On Tuesday, July 11, 2023, 8:23 am, Crystal Garabedian <CGarabedian@biosis.com.au> wrote:

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>
> Thank you for registering your interest in the Oakdale Planning Proposal Project. Biosis Pty Ltd (Biosis) is currently undertaking an Aboriginal Cultural Heritage Assessment (ACHA) for Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) for the proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale (within Lot 6 DP 734561, Lot 2 DP 734561, and Lot 1 DP 734561), New South Wales (NSW) (the study area).
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> cgarabedian@biosis.com.au
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> Crystal

Crystal Garabedian She/Her
Heritage Consultant

0456 625 253
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From: Phil Khan
To: Crystal Garabedian
Subject: Re: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal
Date: Tuesday, 8 August 2023 5:42:27 PM
Attachments: image432445.png
image979703.png
image057474.png
image484233.png

Hi Crystal,

Thank you for your report, the study area is highly significant and sensitive to us Aboriginal people. Waterways are within and surrounding the study area which is highly important to us and would have been utilised for hunting, fishing, camping, ceremonies, and potential burial sites. Therefore, we would like to agree and support your test methodology to investigate further. Regarding long-term mango of any artefacts found, I recommend reburial or to be kept at LALC. We look forward to working alongside you on this project.

Regards
Phil Khan - Director
P 0434545982
E philipkhan.acn@live.com.au

Get Outlook for Android

From: Crystal Garabedian <CGarabedian@biosis.com.au>
Sent: Tuesday, July 11, 2023 8:24:47 am
To: philipkhan.acn@live.com.au <philipkhan.acn@live.com.au>
Subject: 39164 - Stage 2 and 3 Aboriginal Community Consultation: Oakdale Planning Proposal

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cgarabedian@biosis.com.au

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Crystal
Crystal Garabedian She/Her
Heritage Consultant

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

From: Crystal Garabedian
To: didgengunawalclan@yahoo.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:53:12 PM
Attachments: image248472.png
image261395.png
image329671.png
image804430.png
image679794.png

Good afternoon,

Following on from your registration in the Oakdale, New South Wales Aboriginal Cultural Heritage Assessment (ACHA). You can follow the link below to access the draft ACHA and Archaeological Report (AR):

https://spaces.hightail.com/space/iDjOdOHM0q

-
Please provide any feedback on the ACHA and AR before 5:00 pm Wednesday 29 November 2023.

Please do not hesitate to contact me if you require additional information or have any issues accessing the draft reports.

Kind regards,
Crystal Garabedian

Crystal Garabedian She/Her
Heritage Consultant

0456 625 253
(02) 9101 8727
CGarabedian@biosis.com.au
www.biosis.com.au

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From: Crystal Garabedian
To: RAW.CulturalHealing@hotmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:53:46 PM
Attachments: image770147.png
image036302.png
image092712.png
image317779.png
image291382.png

Good afternoon,

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https://spaces.hightail.com/space/iDjOdOHM0q

-
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Kind regards,
Crystal Garabedian

Crystal Garabedian She/Her
Heritage Consultant

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From: Crystal Garabedian
To: mundawari.hc@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:53:55 PM
Attachments: image505744.png
image966634.png
image942752.png
image325444.png
image606182.png

Good afternoon,

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https://spaces.hightail.com/space/iDjOdOHM0q

-
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Kind regards,
Crystal Garabedian

Crystal Garabedian She/Her
Heritage Consultant

0456 625 253
(02) 9101 8727
CGarabedian@biosis.com.au
www.biosis.com.au

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From: Crystal Garabedian
To: konanggo_consultancy@hotmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:54:10 PM
Attachments: image341239.png
image568935.png
image098587.png
image713912.png
image999527.png

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From: Crystal Garabedian
To: butuheritage@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:54:21 PM
Attachments: image421950.png
image836674.png
image414456.png
image214686.png
image114068.png

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From: Crystal Garabedian
To: kelvingoogieboney@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:54:29 PM
Attachments: image124815.png
image188314.png
image287816.png
image849696.png
image814233.png

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From: Crystal Garabedian
To: philipkhan.acn@live.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:54:40 PM
Attachments: image167649.png
image924204.png
image904088.png
image453480.png
image283858.png

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From: Crystal Garabedian
To: cal.slater61@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:54:54 PM
Attachments: image473439.png
image204289.png
image146425.png
image178439.png
image345974.png

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From: Crystal Garabedian
To: corroboreecorp@outlook.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:55:08 PM
Attachments: image516274.png
image811232.png
image349585.png
image794311.png
image869420.png

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From: Crystal Garabedian
To: tmsbrick@hotmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:55:20 PM
Attachments: image661618.png
image640022.png
image514055.png
image184843.png
image827806.png

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From: Crystal Garabedian
To: Helens27@outlook.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:55:28 PM
Attachments: image695924.png
image826872.png
image574984.png
image827164.png
image968915.png

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From: Crystal Garabedian
To: yulayculturalservices@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:55:44 PM
Attachments: image445859.png
image992066.png
image435775.png
image575161.png
image123738.png

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From: Crystal Garabedian
To: reception@tharawal.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:55:52 PM
Attachments: image348944.png
image945678.png
image019964.png
image777070.png
image882570.png

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From: Crystal Garabedian
To: ceo@tharawal.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:01 PM
Attachments: image918674.png
image039295.png
image247441.png
image552387.png
image324961.png

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From: Crystal Garabedian
To: bariyan.culturalconnections@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:06 PM
Attachments: image892813.png
image340706.png
image495296.png
image072063.png
image271967.png

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From: Crystal Garabedian
To: gamila_roi@yahoo.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:13 PM
Attachments: image005363.png
image004841.png
image388636.png
image242807.png
image997727.png

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From: Crystal Garabedian
To: james.eastwood@y7mail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:22 PM
Attachments: image665345.png
image144442.png
image445244.png
image754588.png
image589145.png

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From: Crystal Garabedian
To: kgchalker@bigpond.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:36 PM
Attachments: image543260.png
image961201.png
image872914.png
image105497.png
image334014.png

Good afternoon,

Following on from your registration in the Oakdale, New South Wales Aboriginal Cultural Heritage Assessment (ACHA). You can follow the link below to access the draft ACHA and Archaeological Report (AR):

https://spaces.hightail.com/space/iDjOdOHM0q

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Please provide any feedback on the ACHA and AR before 5:00 pm Wednesday 29 November 2023.

Please do not hesitate to contact me if you require additional information or have any issues accessing the draft reports.

Kind regards,
Crystal Garabedian

Crystal Garabedian She/Her
Heritage Consultant

0456 625 253
(02) 9101 8727
CGarabedian@biosis.com.au
www.biosis.com.au

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From: Crystal Garabedian
To: ngambaa.culturalconnections@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:56:44 PM
Attachments: image425571.png
image925176.png
image130400.png
image314070.png
image176396.png

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From: Crystal Garabedian
To: Dharramalin.culture@gmail.com
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Wednesday, 1 November 2023 4:53:32 PM
Attachments: image872871.png
image100934.png
image532921.png
image338124.png
image158029.png

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From: Kayelene Terry
To: Crystal Garabedian
Subject: Re: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Monday, 6 November 2023 1:11:59 PM
Attachments: image892813.png
image340706.png
image495296.png
image072063.png
image271967.png

Hi Crystal

I have read and reviewed the draft ACHA and Archaeological Report (AR) and I have no comments at the moment.

On Wed, Nov 1, 2023 at 4:56 PM Crystal Garabedian <CGarabedian@biosis.com.au> wrote:

> Good afternoon,
>
> Following on from your registration in the Oakdale, New South Wales Aboriginal Cultural Heritage Assessment (ACHA). You can follow the link below to access the draft ACHA and Archaeological Report (AR):
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>
> **Crystal Garabedian** She/Her
> Heritage Consultant
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> 0456 625 253
> (02) 9101 8727
> CGarabedian@biosis.com.au
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--
Kind Regards
Kayelene Terry - Manager
Bariyan Cultural Connections
Dharug Country
P: 0421 881 617
E: bariyan.culturalconnections@gmail.com
Aboriginal Owned and Operated Cultural and Heritage Business

We would like to acknowledge the traditional Custodians of Country which we live and work and recognize their continuing connection to land, waters and culture. We would like to pay our respects to the First Nations People Elders past, present and extend to all that we may meet on our journey,

From: Phil Khan
To: Crystal Garabedian
Subject: RE: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Tuesday, 5 December 2023 1:12:21 PM
Attachments: image167649.png
image924204.png
image904088.png
image453480.png
image283858.png

Hi Crystal,

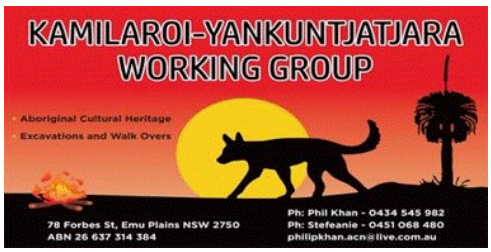
Thank you for your ACHA, we would like to agree and support your recommendations re 155-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW. We look forward to working alongside you on this project.

**** please note – 0n your report it states,

4.3.2. Information gathered during fieldwork The site survey was attended by Jamie Currell (representative of Tharawal LALC), who agreed with the assessment that the study area holds low potential for intact Aboriginal deposit

******However Jamie did the survey for Kamilaroi Yankuntjatjara Working Group******

Kind Regards
Phil Khan – Director
P 0434545982
E philipkhan.acn@live.com.au
ABN 26 637 314 384



Sent from Mail for Windows

From: Crystal Garabedian
Sent: Wednesday, 1 November 2023 4:54 PM
To: philipkhan.acn@live.com.au
Subject: Stage 4 Community Consultation - Oakdale ACHA Review (39164)

Good afternoon,

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Heritage Consultant
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CGarabedian@biosis.com.au
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From: Crystal Garabedian
To: Phil Khan
Subject: RE: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Tuesday, 5 December 2023 4:09:44 PM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image908664.png
image861452.png
image653543.png
image302055.png
image658543.png

Hi Phil,

I am so sorry for that error! I have updated the report right now to correct the typo.

Kind regards,
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Crystal Garabedian She/Her
Heritage Consultant

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Artwork by Wayne Visser. Click on the banner to find out more about this piece.

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From: Phil Khan <philipkhan.acn@live.com.au>
Sent: Tuesday, December 5, 2023 1:12 PM
To: Crystal Garabedian <CGarabedian@biosis.com.au>
Subject: RE: Stage 4 Community Consultation - Oakdale ACHA Review (39164)

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E philipkhan.acn@live.com.au
ABN 26 637 314 384

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From: Phil Khan
To: Crystal Garabedian
Subject: RE: Stage 4 Community Consultation - Oakdale ACHA Review (39164)
Date: Tuesday, 5 December 2023 4:38:47 PM
Attachments: image002.png
image006.png
image908664.png
image861452.png
image653543.png
image302055.png
image658543.png

Hi Crystal,

Thank you appreciate it, have a nice afternoon.

Kind Regards
Phil Khan – Director
P 0434545982
E philipkhan.acn@live.com.au
ABN 26 637 314 384

Sent from Mail for Windows

From: Crystal Garabedian
Sent: Tuesday, 5 December 2023 4:10 PM
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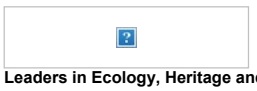

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Appendix E. Archaeological report

155-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW Archaeological Report

Prepared for Colliers International Engineering & Design (NSW) Pty Ltd

FINAL REPORT

8 March 2024

Biosis offices

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Email: wangaratta@biosis.com.au

Document information

Report to:	Colliers International Engineering & Design (NSW) Pty Ltd
Prepared by:	Bronte Baonza Hannah Mills Crystal Garabedian
Biosis project no.:	39164
File name:	39164.Oakdale.Planning.Proposal.AR.FIN01.20240308
Citation:	Biosis 2023. 155-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW. Archaeological Report. Report for Colliers. Baonza. B, Mills. H, Garabedian. C, Biosis Pty Ltd., Sydney, NSW. 39164
LGA	Wollondilly Shire Council

Document control

Version	Internal reviewer	Date issued
Draft version 01	Maggie Butcher	20/10/2023
Final version 01	No client comments	N/A

Acknowledgements

Biosis acknowledges the contribution of the following people and organisations in undertaking this study:

- Colliers International Engineering & Design (NSW) Pty Ltd.

Biosis staff involved in this project were:

- Otto Reichelt (assistance in the field).
- Grace O'Loghlin and Jen Townsend (mapping).

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Summary

Biosis Pty Ltd (Biosis) was commissioned by Colliers International Engineering & Design (NSW) Pty Ltd (Colliers) to undertake an Aboriginal Cultural Heritage Assessment (ACHA) of a proposed rezoning at 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, New South Wales (NSW) (the study area). This Archaeological Report (AR) documents the findings of the archaeological investigations conducted as part of the ACHA. As required under Section 2.3 of *The Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010a) (the Code), the AR provides evidence about the material traces of Aboriginal land use to support the conclusions and management recommendations in the ACHA.

The project will be assessed until Part 3 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The study area is located in private land in Sydney's southwest suburb of Oakdale and approximately 90 kilometres south-west of the Sydney central business district (CBD). There are two Aboriginal cultural heritage sites registered with the Aboriginal Heritage Information Management System (AHIMS) register, both within the study area: AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. Neither of these sites are near the water courses inside the study area, which are tributaries of Back Creek.

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 Department of Environment Climate Change and Water document (DECCW) document*, Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010b) (consultation requirements).

An archaeological survey was conducted on 9 August 2023 by Crystal Garabedian (Biosis, Heritage Consultant) and Otto Reichelt (Biosis, Graduate Heritage Consultant). The overall effectiveness of the survey for examining the ground for Aboriginal sites was deemed low. This was attributed to vegetation cover restricting ground surface visibility (GSV) combined with low exposure. Attempts during the archaeological survey were made to locate AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02; however, the sites were unable to be relocated. No previously unrecorded Aboriginal cultural heritage sites were identified during the field investigation, and no areas of archaeological potential were identified.

As there are two previously recorded sites located within the study area, there is the potential for proposed development to impact on these. Strategies have been developed based on the archaeological significance of cultural heritage relevant to the study area. The strategies also take into consideration:

- Predicted impacts to Aboriginal cultural heritage.
- The planning approvals framework.
- Current best conservation practice, widely considered to include:
  - The ethos of the Australia — International Council on Monuments and Sites (ICOMOS) publication, *The Burra Charter: the Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS 2013) (Burra Charter).
  - the Code.

The recommendations that resulted from the consultation process are provided below.

Management recommendations

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

Recommendation 1: Application for an Aboriginal Heritage Impact Permit to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02

An Aboriginal Heritage Impact Permit (AHIP) is required for any activities likely to have an impact on Aboriginal objects or places or cause land to be disturbed for the purposes of discovering an Aboriginal object. Heritage NSW, Department of Planning and Environment (Heritage NSW) issues AHIPs under Part 6 of the *National Parks and Wildlife Act 1974* (NPW Act).

It is recommended that Colliers apply to Heritage NSW for an AHIP to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. The AHIP should allow for impacts to both sites through the proposed works. **The AHIP should be for a period of 10 years.**

As part of the AHIP, prior to impacts RAPs should be afforded the opportunity for the community collection of the artefacts associated with AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Advice preparing AHIPs

AHIPs should be prepared by a qualified archaeologist and lodged with Heritage NSW. Once the application is lodged processing time can take between eight and 12 weeks. It should be noted that there will be an application fee levied by the Heritage NSW for the processing of AHIPs, which is dependent on the estimated total cost of the development project. Where there are multiple sites within one study area an application for an AHIP to cover the entire study area is recommended.

Recommendation 2: Areas identified as having low archaeological potential

No further investigations are required for areas assessed as having low archaeological potential. This recommendation is conditional upon Recommendations 5 and 6.

Recommendation 3: Mitigating impacts to Aboriginal cultural heritage

The following measures should be undertaken to mitigate impacts of the proposed development to Aboriginal cultural heritage.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).

- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed, and included in a construction management plan for the proposed development (see Recommendations 5 and 6).

Recommendation 4: Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.

Recommendation 5: Discovery of Unanticipated Aboriginal Objects

All Aboriginal objects and Places are protected under the NSW NPW Act. It is an offence to knowingly disturb an Aboriginal site without a consent permit issued by the Heritage NSW. 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 object the archaeologist will provide further recommendations. These may include notifying the Heritage NSW and Aboriginal stakeholders.

Recommendation 6: Discovery of human remains

If any suspected human remains are discovered during any activity works, all activity in the vicinity must cease immediately. The remains must be left in place and protected from harm or damage. The following contingency plan describes the immediate actions that must be taken in instances where human remains or suspected human remains are discovered. Any such discovery at the study area must follow these steps:

1. **Discovery:** If suspected human remains are discovered all activity in the vicinity must stop to ensure minimal damage is caused to the remains; and the remains must be left in place, and protected from harm or damage.
2. **Notification:** Once suspected human skeletal remains have been found, the Coroner's Office and the NSW Police must be notified immediately. Following this, the find will be reported to the Aboriginal parties and Heritage NSW.

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Glossary

ACHA	Aboriginal Cultural Heritage Assessment
AHIMS	Aboriginal Heritage Information Management System
AHIP	Aboriginal Heritage Impact Permit
AR	Archaeological Report
Biosis	Biosis Pty Ltd
Burra Charter	*The Burra Charter: the Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS 2013)
CBD	Central Business District
Colliers	Colliers International Engineering & Design (NSW) Pty Ltd
Consultation requirements	*Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010b)
DECCW	Department of Environment, Climate Change and Water (now Heritage NSW)
DP	Deposited Plan
EP&A Act	*Environmental Planning and Assessment Act 1979*
GDA	Geocentric Datum of Australia
GPS	Global Positioning System
GSV	Ground Surface Visibility
Heritage NSW	Heritage NSW, Department of Planning and Environment
ICOMOS	International Council on Monuments and Sites
LALC	Local Aboriginal Land Council
LEP	Local Environmental Plan
LGA	Local Government Area
MGA	Map Grid of Australia
NPW Act	*National Parks and Wildlife Act 1974*
NPWS	National Parks and Wildlife Service
NSW	New South Wales
PAD	Potential Archaeological Deposit
RAP	Registered Aboriginal Party
Study area	Defined as 1455-1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale, NSW (Lot 6 DP734561, Lot 2 DP734561, and Lot 1 DP734561)
the Code	*Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010a)

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1. Introduction

1.1. Project background

Biosis has been commissioned by Colliers to undertake an ACHA for the proposed rezoning at 1455–1475 Burragorang Road, and 1838 Barkers Lodge Road, Oakdale NSW (Figure 1, Figure 2). This AR documents the findings of the archaeological investigations conducted as part of the ACHA. The AR provides evidence about the material traces of Aboriginal land use to support the conclusions and management recommendations in the ACHA.

This investigation has been carried out under Part 6 of the NPW Act and in accordance with the Code. The Code has been developed to support the process of investigating and assessing Aboriginal cultural heritage by specifying the minimum standards for archaeological investigation undertaken in NSW under the NPW Act. The archaeological investigation must be undertaken in accordance with the requirements of the Code.

It is stated in Section 1.2 of the Code that where the ACHA report concludes that the proposed activity will result in harm to Aboriginal objects or declared Aboriginal Places, an application for an AHIP will be required. This application must be supported by an ACHA report.

The project will be assessed under Part 3 of the EP&A Act. The EP&A Act includes provisions for local government authorities to consider environmental impacts in land-use planning and decision making. Each Local Government Area (LGA) is required to create and maintain a Local Environmental Plan (LEP) that includes Aboriginal and historical heritage items. Local Councils identify items that are of significance within their LGA, and these items are listed on heritage schedules in the local LEP and are protected under the EP&A Act and *Heritage Act 1977*.

1.2. Study area

The study area is located within Lot 6 DP734561, Lot 2 DP734561, and Lot 1 DP734561in Sydney's south-west suburb of Oakdale, approximately 90 kilometres south-west of the Sydney city CBD (Figure 1). It encompasses 22.7 hectares of semi-rural private land and the adjacent road reserves.

The study area is within the:

- Wollondilly LGA.
- Parish of Burragorang.
- County of Camden.

The study area is bounded by Barkers Lodge Road to the west, Burragorang Road to the north, Lot 3 DP734561 to the East and Lot 10 DP609714 to the south (Figure 2).

1.3. Planning approvals

The proposed development will be assessed against Part 3 of the EP&A Act. Other relevant legislation and planning instruments that will inform this assessment include:

- Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*.
- NSW NPW Act.

- NSW *National Parks and Wildlife Amendment Act 2010*.
- *State Environmental Planning Policy (Transport and Infrastructure) 2021*.
- Wollondilly LEP 2011.
- *Wollondilly Development Control Plan 2016*.

1.4. Objectives of the investigation

The objectives of the investigation can be summarised as follows:

- To identify and consult with any registered Aboriginal stakeholders and the Tharawal Local Aboriginal Land Council (LALC).
- To conduct additional background research to recognise any identifiable trends in site distribution and location.
- To search statutory and non-statutory registers and planning instruments to identify listed Aboriginal cultural heritage sites within the study area.
- To highlight environmental information considered relevant to past Aboriginal occupation of the locality and associated land use and the identification and integrity/preservation of Aboriginal sites.
- To summarise past Aboriginal occupation in the locality of the study area using ethnohistory and the archaeological record.
- To formulate a model to broadly predict the type and character of Aboriginal sites likely to exist throughout the study area, their location, frequency, and integrity.
- To conduct a field survey of the study area to locate unrecorded or previously recorded Aboriginal sites and to further assess the archaeological potential of the study area.
- To assess the significance of any known Aboriginal sites in consultation with the Aboriginal community.
- To identify the impacts of the proposed development on any known or potential Aboriginal sites within the study area.
- To recommend strategies for the management of Aboriginal cultural heritage within the context of the proposed development.

1.5. Investigators and contributors

The roles, previous experience and qualifications of the Biosis project team involved in the preparation of this AR are described below in Table 1.

Table 1 Investigators and contributors

Name and qualifications	Experience summary	Project role
Maggie Butcher BSc/BA (Hons)	Maggie is a Senior Associate Heritage Consultant and Excavation Director with the Biosis Sydney office. Maggie has over eight years' experience as an archaeologist and has experience in conducting desktop assessments, archaeological survey and Aboriginal and historical excavation as well as consulting with Traditional Owners. She has also successfully managed a number of ACHAs to completion since her commencement at Biosis.	Quality assurance Technical advice

Name and qualifications	Experience summary	Project role
Crystal Garabedian BA Archaeology (Hons)/BSc Geology and Geophysics	Crystal joined the Heritage team in the Biosis Sydney office in 2021 and is currently a Heritage Consultant. Since joining Biosis, Crystal has gained experience in Aboriginal community consultation, project management, research, report writing, field surveys, test and salvage excavations. She has managed Historical Heritage Assessments, Aboriginal Due Diligence Assessments and ACHAs for a variety of projects throughout New South Wales. Crystal holds specialist skills in the identification of marine zooarchaeological material.	Project Management Field Investigation Reporting
Hannah Mills BA, MA	Hannah is a Heritage Consultant based in Wollongong, with experience in the Sydney, South Coast and Newcastle areas. Having already worked as a casual and subcontractor for a number of heritage consultancies, Hannah brought with her experience in historical and Aboriginal test excavations. Since joining Biosis, Hannah has gained experience in project managing Aboriginal heritage assessments in the Wollongong and Batemans Bay areas, Aboriginal community consultation, artefact analysis, background research and report preparation.	Reporting
Bronte Baonza BA Archaeology & Ancient History/International Relations	Bronte joined Biosis in 2023 as a Graduate Heritage Consultant with the Sydney Heritage team. During her time with Biosis, she has supported project managers in conducting archaeological surveys, test excavations, Aboriginal consultation, and background research.	Background Research Consultation
Otto Reichelt BA Built Environment (Architecture)	Otto joined Biosis in 2023 as a Graduate Heritage Consultant with the Sydney Heritage team. During his time with Biosis, he has supported project managers in conducting archaeological surveys, test excavations, Aboriginal community consultation and background research.	Field Investigation Background research
Jen Townsend BSc Physical Geography and Environmental Geosciences	Jennifer is a GIS Analyst and has been a member of the GIS team at Biosis since November 2021. In her time at Biosis, she has gained experience across a wide range of technical skills, including data collection and management, digitisation, and cartographic design. Since joining Biosis, Jennifer has been committed to producing high quality maps and spatial analyses for clients on a wide range of projects including historical and Aboriginal heritage reports, and complex ecological assessments throughout NSW and Victoria.	Mapping

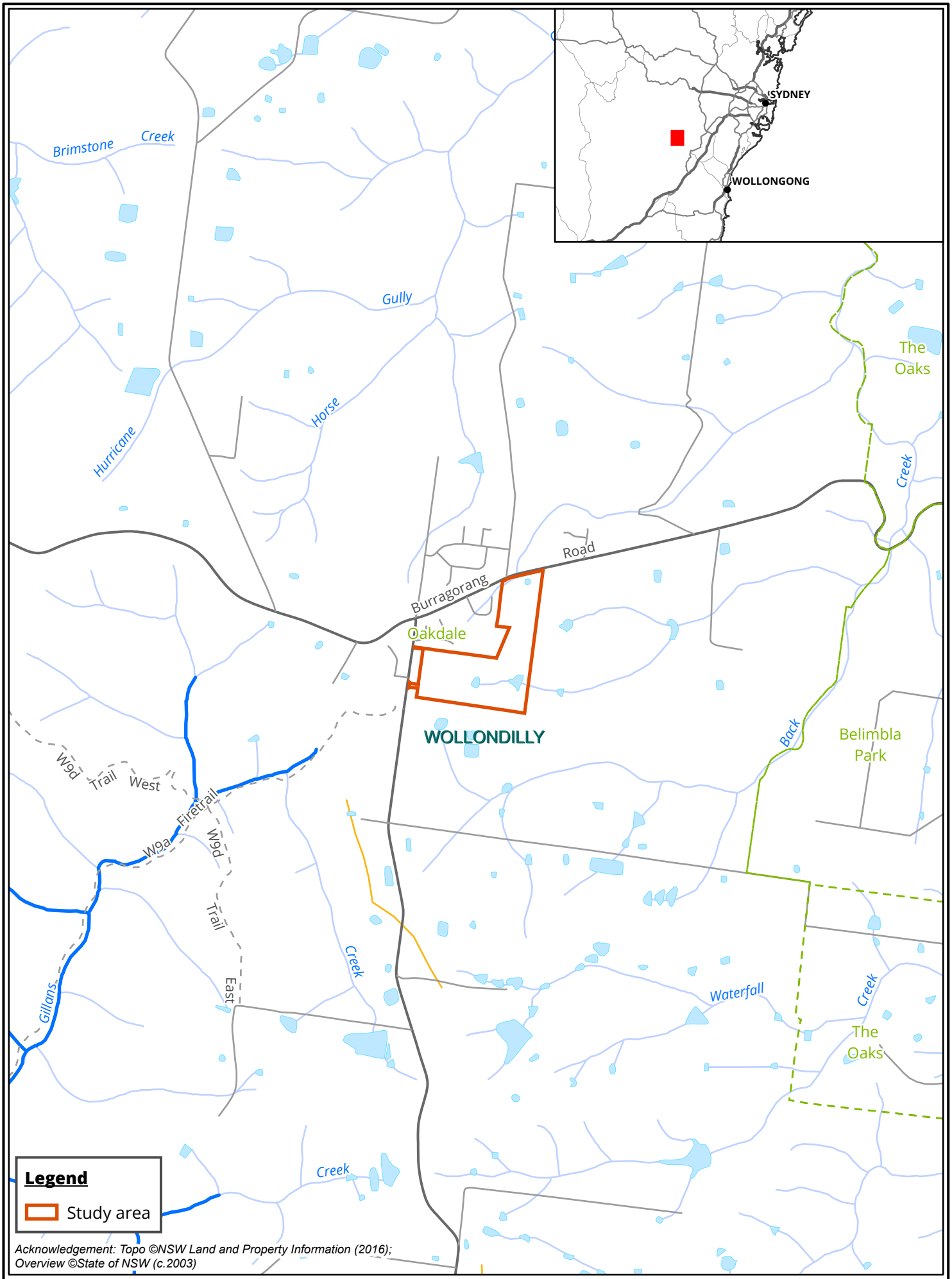

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Figure 1 Location of the study area

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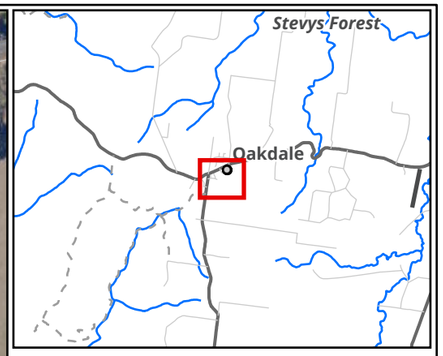

Legend

- Study area
- Lot

Figure 2 Study area detail

0 30 60 90 120

Metres

Scale: 1:3,000@ A3

Coordinate System:
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2. Proposed development

The proposed development will involve the subdivision of the study area into up to 212 lots and construction of residential buildings. This development will include several works associated with residential development of the area (Figure 3). This will comprise the rezoning of up to 19.1 hectares of the study area to R2 Low Density Residential, facilitating a yield of up to 208 residential lots. To facilitate this development, earthworks, road construction, services and infrastructure installation will occur. These activities will result in disturbance of the ground throughout the study area.

The concept subdivision contains a range of lot sizes including several large residential lots intended to facilitate the retention of native vegetation. Subject to detailed design based on ecological, bushfire and engineering assessments it is envisaged that these lots would include dwelling envelopes on the land title. A restriction may also be placed on the title of these lots relating to the retention of existing trees.

The interface between the proposed subdivision and adjoining rural land has been addressed either using perimeter roads or relatively larger lots. Lots fronting Burragorang Road have an average lot size of 840 square meters in keeping with the character of the village.

It is proposed that the existing large dam in the southeast part of the site be re-purposed as a stormwater detention basin to be contained within a drainage reserve.

The study area will retain approximately 39146 square metres of C2 Environmental Conservation zoned land and 28207 square metres (4784 square metres on the northern portion and 23423 square metres on the southern portion) of C3 Environmental Management zoned land to support the conservation of existing native vegetation adjoining Willis Park. A total of 212 lots are proposed, with the aforementioned 208 Low Density Residential lots, as well as three super lots for Environmental Conservation and Environmental Management purposes and one lot containing a stormwater basin.

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Legend

- Study area
- Lot
- Proposed works

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Figure 3 Proposed works

0 25 50 75 100

Metres
Scale: 1:3,000@ A3
Coordinate System:
GDA 1994 MGA Zone 56

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3. Desktop assessment

The desktop assessment involves researching and reviewing existing archaeological studies and reports relevant to the study area and surrounding region. This information is combined to develop an Aboriginal site prediction model for the study area, and to identify known Aboriginal sites and/or places recorded in the study area. This desktop assessment has been prepared in accordance with requirements 1 to 4 of the Code.

3.1. Landscape context

It is important to consider the local environment of the study area any heritage assessment. The local environmental characteristics can influence human occupation and associated land use and consequently the distribution and character of cultural material. Environmental characteristics and geomorphological processes can affect the preservation of cultural heritage materials to varying degrees or even destroy them completely. Lastly, landscape features can contribute to the cultural significance that places can have for people.

3.1.1. Topography and hydrology

The study area lies within Sydney Basin Bioregion of Burragorang, whose geology primarily consists of Permian and Triassic sandstones and shales on the western edge of the Basin (NPWS 2003). The study area lies within Wianamatta Group shales and sandstones in the northern and western portions and the central portion lies within the Hawkesbury sandstone geological formation. The Wianamatta geological group is Middle Triassic in age (245-235 million years ago) and it overlays Hawkesbury Sandstone. The lower bed of the Wianamatta Group consists of Ashfield Shale, which is present within the study area and contains black sideric claystone and limonite. The upper bed is Bringelly Shale that consists of a shale/sandstone sequence in which brown shale dominates. The frequency of lithic sandstone increases in the upper-most sections (Hazelton & Tille 1990, pp. 2–3). Common site types within the Ashfield Shale include artefact and PAD sites. The Hawksbury Sandstone geological formation is characterised as medium to coarse grained quartz sandstone with minor shale and laminite lenses (Hazelton & Tille 1990, pp. 45). It also occurs as flat topped outcrops (platforms of varying sizes) and boulders, mainly on ridge tops, and also along the sides of gullies and in valley bottoms (JMCHM 2008). Common site types within the Hawkesbury Sandstone geological formation include rock shelter, art and grinding groove sites (Figure 4).

Topography within the study area can be characterised as undulating. There is a crest located in the west that slopes down in an eastward direction towards drainage depressions in the south-east and north-west (Figure 5).

Stream order is recognised as a factor which helps the development of predictive modelling in Aboriginal archaeology. Predictive models which have been developed for the region have a tendency to favour permanent water courses as the locations of complex sites that have been continuously occupied, as they would have been more likely to provide a stable source of water and by extension other resources which would have been used by Aboriginal groups (Jo McDonald Cultural Heritage Management 2000, pp. 19).

The stream order system used for this assessment was originally developed by Strahler (1964). It functions by adding two streams of equal order at their confluence to form a higher order stream, as shown in Photo 1. As stream order increases, so does the likelihood that the stream would be a perennial source of water.

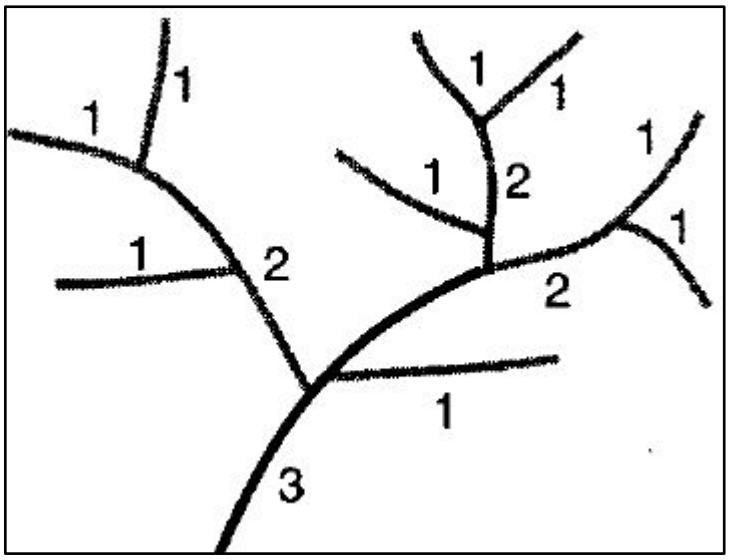

Photo 1 Diagram showing Strahler stream order (Ritter et al 1995, p. 151)

There are two non-perennial water courses present within the study area; these flow to Back Creek, approximately 2 kilometres north-east from the study area (Figure 5). One of first-order streams flow in a westward direction into the study area, while the second first-order stream flows in a south-western past the northern portion of the study area. Back Creek is a non-perennial tributary of the fifth order Werriberri Creek, a perennial water course 4.25 kilometres east of the study area. Gilsons Creek, located 580 meters south-west from the study area is a tributary of Lake Burragorang, a modified eighth order perennial water source which is also impounded by Warragamba Dam.

3.1.2. 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 study area is comprised of the Blacktown soil landscape which is a residual soil landscape consisting of gently undulating rises, broad rounded crests and gently inclined slopes with a gradient of less than 5% (Figure 6). Local relief within the Blacktown soil landscape is up to 30 metres and rocky outcropping is absent. This is in contrast to the typical characteristics of the Hawkesbury Sandstone geological formation, suggesting that the combination of the Blacktown soil landscape and the Hawkesbury Sandstone geological formation may result in reduced frequency of sandstone outcroppings. Dominant soils consist of shallow to moderately deep (<100 centimetres) red and brown podzols on crests in well drained topographies, and deep (150–300 centimetres) yellow podzolic soils and soloths on lower slopes and drainage lines (Bannerman & Hazelton 1990a, pp. 28).

Residual soils form from the *in situ* weathering of bedrock material, resulting in slow accumulation of soils over long periods of time. Due to their age and slow accumulation, residual soil landscapes have reasonable potential to preserve archaeological deposits in an open context, such as stone artefacts derived from occupation sites. However, the slow accumulation and high impact of extensive land clearing (usually associated with pastoral and civic development) often results in poor preservation of archaeological material where disturbances have occurred. Other occupational evidence might include scarred trees where remnant

vegetation occurs. This is evident in the number of sites found within and nearby the study area, which area also located within this soil landscape.

The Blacktown soil landscape distribution patterns vary dependant on the landform type it is contained within, therefore altering the depths at which subsurface archaeological artefact deposits are found. The majority of the study area contains upper to mid-slopes, with 20 centimetres of clay loam >50 centimetres of strong pedal mottled clay >100 centimetres of light grey plastic mottled clay. On average, soil depth is less than 200 centimetres.

Table 2 Blacktown soil landscape characteristics (Bannerman & Hazelton 1990b, pp. 29–30)

Soil material	Description
Blacktown 1 (*bt1*)—Friable brownish-black loam	Friable brown loam to clay loam with a moderately pedal subangular block structure and rough-faced porous fabric ped fabric. This soil material generally occurs as a topsoil (A horizon) up to 30 cm in thickness. Peds are well defined and range from 2–20 mm. Rounded iron indurated fine gravel-sized shale fragments and charcoal fragments sometimes occur as inclusions. Soil colour is brownish black (10YR 2/2) and can also range from dark reddish brown (5YR 3/2) to dark yellowish brown (10yYR 3/4). Soil varies from moderately acidic to neutral.
Blacktown 2 (*bt2*)—Hardsetting brown clay loam	Hardsetting brown clay loam to silty clay loam, with an apedal massive to weakly pedal structure and porous earthy fabric. Occurs as an A2 Horizon deposit and occasionally an A1 horizon topsoil. Typically between 10–30 cm in thickness. Peds range from 20–50 mm. Platy, iron indurated gravel sized shale fragments are common, with rare inclusions of charcoal and roots. Soil colour is predominately dark brown (7.5YR 4/3) but can range from dark reddish brown (2.5YR 3/3) to dark brown (10YR 3/3). Soil acidity varies from moderately acidic to slightly acidic.
Blacktown 3 (*bt3*)—Strongly pedal, mottled brown light clay	Brown light to medium clay with strong pedal polyhedral or subangular-blocky structure and smooth faced dense ped fabric that occurs as a subsoil (B horizon). The soil texture increases with depth and peds range from 5–20 mm. Fine to coarse gravel sized shale fragments are common inclusions and often occur within stratified bands, with roots and charcoal rarely being present. Soil colour is brown (7.5YR 4/6) and can range from reddish brown (2.5YR 2/6) to brown (10YR 4/6). The pH of this soil material varies from strongly acidic to slightly acidic.
Blacktown 4 (*bt4*)—Light grey plastic mottled clay	Plastic light grey silty clay to heavy clay with moderately pedal polyhedral to subangular blocky structure, and smooth-faced dense ped fabric, that occurs as a deep subsoil deposit overlying shale bedrock (B3 or C Horizon). Peds range between 2–20 mm. Inclusion consists of weathered ironstone concretions and rock fragments. Gravel sized shale fragments and roots occur occasionally, but charcoal is rare within this soil deposit. Red, yellow, and brown mottles are present and soil colour is usually light grey (10YR 7/1) or sometimes greyish yellow (2.5YR 6/2). Soil acidity ranges from strongly acidic to moderately acidic.

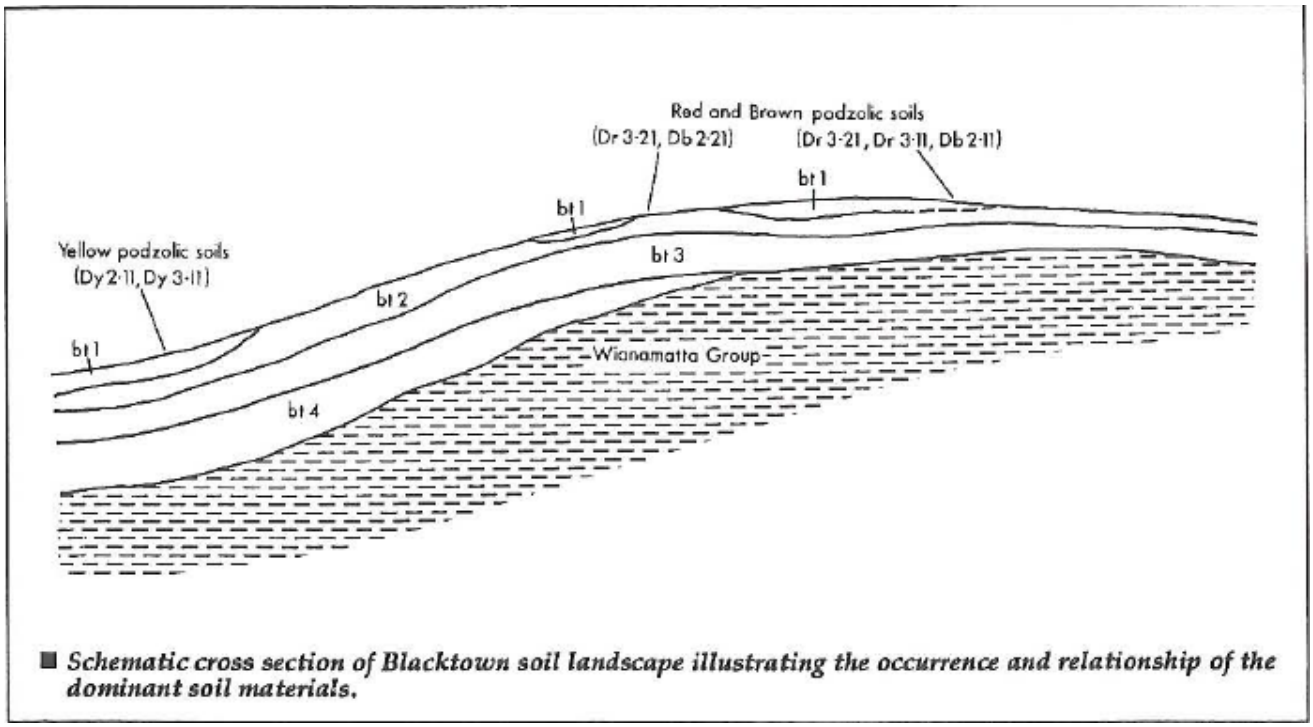

Photo 2 Schematic cross section of the Blacktown soils (Bannerman & Hazelton 1990a, pp. 28)

Legend

Study area

Geological units

- Q_a,Alluvium
- Tuth,Hawkesbury Sandstone
- Twia,Ashfield Shale

Figure 4 Geological units in the vicinity of the study area

0 200 400 600 800

Metres

Scale: 1:20,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

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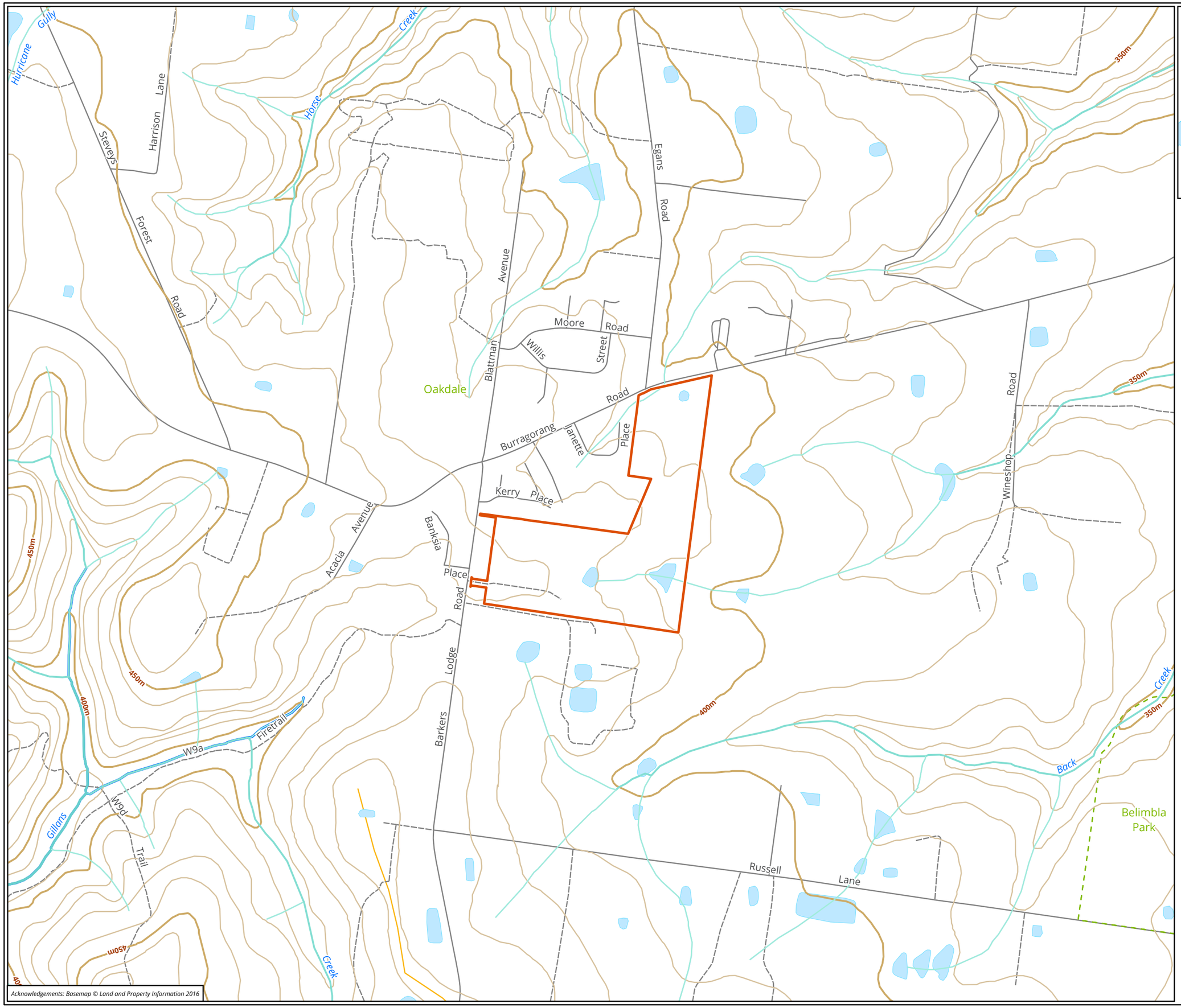

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Figure 5 Hydrology and topography in the vicinity of the study area

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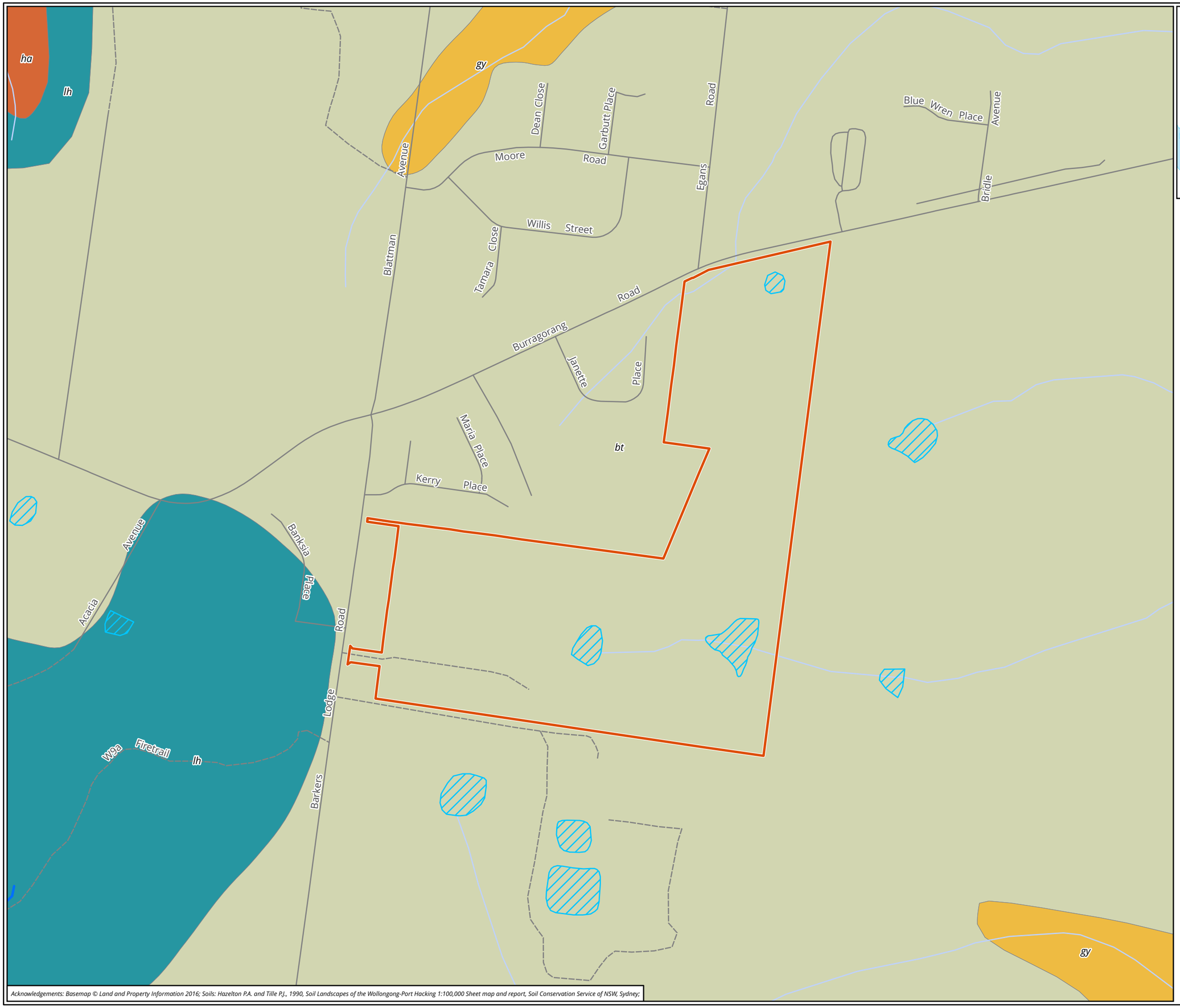

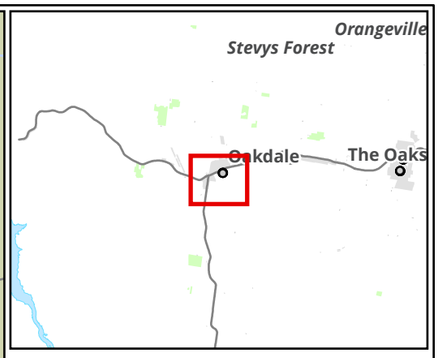

Legend

Study area

Soil landscape units

- bt - BLACKTOWN
- gy - GYMEA
- ha - HAWKESBURY
- lh - LUCAS HEIGHTS

Figure 6 Soil landscapes in the vicinity of the study area

0 50 100 150 200

Metres

Scale: 1:5,000@ A3

Coordinate System: GDA 1994 MGA Zone 56

N

biosis

Matter: 39164, Date: 17 October 2023,
Drawn by: JET, Checked by: BB, Last edited by: jtownsend
Location: P:\39100s\39164\Mapping\39164_HL_OakdalePlanningProposalACHAandHHA,
Layout: 39164_AR_F6_Soils

Acknowledgements: Basemap © Land and Property Information 2016; Soils: Hazelton P.A. and Tille P.J., 1990, Soil Landscapes of the Wollongong-Port Hacking 1:100,000 Sheet map and report, Soil Conservation Service of NSW, Sydney;

3.1.3. Landscape resources

The wider region includes distinct ecological zones, including open forest and open woodland, with riparian vegetation extending along many of the watercourses. Each ecological zone hosts a different array of floral and faunal species, many of which would have been utilised according to seasonal availability. Aboriginal inhabitants of the region would have had access to a wide range of avian, terrestrial and aquatic fauna and repeated firing of the vegetation would have opened up the foliage allowing ease of access through and between different resource zones.

The Blacktown soil landscape, while now almost fully cleared, would have supported tall open-forest (wet sclerophyll forest, open-forest and woodland (dry sclerophyll forest). Remaining traces of these may include remnant Sydney Blue Gum *Eucalyptus saligna* and Blackbutt *E. pilularis* in higher rainfall areas, while in drier areas, original woodlands and open-forests feature Forest Red Gum *E. tereticornis*, Narrow-leaved Ironbark *E. crebra* and Grey Box *E. microcarpa* (eSPADE 2023).

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).

As well as being important food sources, 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, have been identified in 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).

Native fauna that may have inhabited the area or its surrounds include mammals such as the Koala *Phascolarctos cinereus*, Common Ringtail Possum *Pseudocheirus peregrinus*, Common Wombat *Vombatus ursinus*, Eastern Grey Kangaroo *Macropus giganteus*, Short-beaked Echidna *Tachyglossus aculeatus*, Swamp Wallaby *Wallabia bicolor* and Common Brushtail Possum *Trichosurus vulpecula*. Bird species that may have inhabited the area include the Crimson Rosella *Platycercus elegans*, Glossy Black-cockatoo *Calyptorhynchus lathami*, Australian Magpie *Gymnorhina tibicen*, Kookaburra *Dacelo novaeguineae* and the Yellow-tailed Black-cockatoo *Calyptorhynchus (Zanda) funereus*. The Red-bellied Black Snake *Pseudechis porphyriacus* may also have been present.

3.1.4. Land use history

The study area is contained within land granted to Patrick Martin of Picton in 1862 (Photo 3). An obituary for Patrick Martin noted he was a pastoralist of the Campbelltown and Camden district ('Obituary.', 1891). Later annotations on the Crown plan for this land indicate the property was reserved for classification in 1907, but this was revoked in 1908 (NSW Land Registry Services, Crown plan C189.1521). The land was acquired by Elizabeth Willis in 1920 (NSW Land Registry Services, Certificate of Title Volume 102 Folio 162).

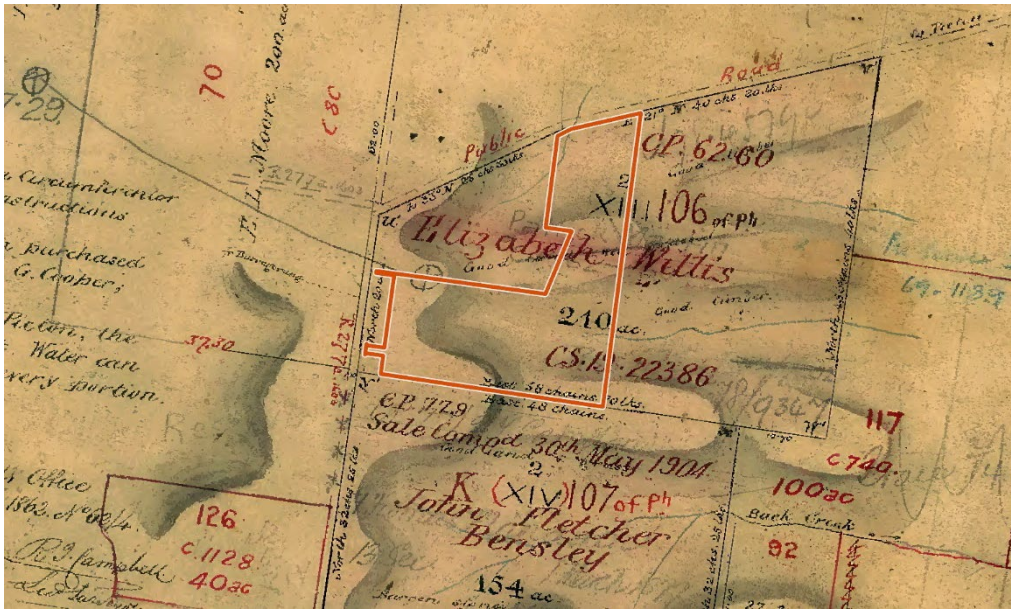

Photo 3 **Crown plan of land containing the study area, which is outlined in red (Source: NSW Land Registry Services, Crown plan C189.1521)**

A review of historical aerial photographs allows for an analysis of change within the study area from the mid-20th century onwards. By 1975, the southern portion of the study area has been cleared of vegetation while the north portion remains with dense forestry (Photo 4). Pastoral grazing and farming is evident, as well as residential buildings and a pathway from Barkers Lodge Road. Two dams are also present in the study area.

Photo 4 **1975 aerial photograph of the study area (Source: NSW aerial imagery)**

By 1990, the northern portion of study area has undergone significant changes, with the clearing of vegetation for agriculture as well as the construction of residential buildings with entrances from Burragorang

Road (Photo 5). A dam has also been developed, with the construction of tracks evident across the study area. Significant residential development is also seen surrounding the study area.

Photo 5 1990 aerial photograph of the study area (Source: NSW aerial imagery)

Further changes had occurred by 2005, comprising further removal of vegetation around the residential buildings in the northern portion of the study area (Photo 6). The tracks towards the dam in the south-east portion are less prominent.

Photo 6 2005 aerial photograph of the study area (Source: NSW aerial imagery)

3.2. Previous archaeological work

Several cultural heritage surface (surveys) and sub-surface (excavations) investigations have been conducted throughout the Sydney Basin in the past 30 years. There has been an increasing focus on cultural heritage assessments in NSW due to ever increasing development, along with the legislative requirements for this work and greater cultural awareness of Aboriginal cultural heritage.

3.2.1. Regional overview

Several Aboriginal cultural heritage investigations have been conducted for the Cumberland Plain region. Models for predicting the location and type of Aboriginal sites with a general applicability to the Burragorang region and thus relevant to the study area have also been formulated. Some as a part of these investigations and others from cultural heritage investigations for relatively large developments.

JMCHM (2007) developed a predictive model for Aboriginal site distribution on the Cumberland Plain that will be applicable to the study area. This has been developed using the Aboriginal occupation models proposed for the Camden area by Haglund and Associates (1989, cited by JMCHM 2007) and data collected from other areas of the Cumberland Plain where trends in the distribution of archaeological sites have been apparent. The following predictive model for the Cumberland Plain has been taken from JMCHM (2007).

- The size (density and complexity) of archaeological features will vary according to permanence of water, landscape unit and proximity to stone resources in the following way:
  - At the headwaters of upper tributaries (first-order creeks) archaeological evidence will be sparse and will comprise little more than background scatters of stone artefacts.
  - At the middle reaches of minor tributaries (second-order creeks) archaeological evidence will be sparse but indicate focussed activity.
  - At the lower reaches of tributary creeks (third-order creeks) archaeological evidence will indicate more frequent occupation and evidence of repeated, more concentrated activities.
  - On major creek lines and rivers (fourth-order creeks) archaeological evidence will indicate more permanent occupation, which is of greater complexity.
  - Creek junctions and swamps may provide foci for site activity.
  - Ridgetop locations between drainage lines will usually contain limited archaeological evidence.
- Where sandstone features occur (overhangs or platforms), these may have provided a focus for several activities including camping or art production or the sharpening of axes. Sandstone platforms may also have been used to produce art (engravings), although these are very rare on the margins of the Cumberland Plain.

JMCHM (2007) studies within the Cumberland Plain have noted that whilst the recognised predictive modelling is still relevant, an analysis of lithics assemblages within the region has identified additional considerations separate from the established model.

White & McDonald (2010) undertook a review of previous work in the Rouse Hill development area, approximately 83 kilometres north-east of the study area, discussing lithic artefact distribution in previous excavations carried out by JMCHM in 2008. The study considered several factors including stream order, distance from water, landform, aspect, and distance to silcrete sources. As a result of the assessment, the following statements were made:

- Stream order: water supply was a significant factor influencing Aboriginal land use and habitation in the area. There was a correlation between increasing stream order and larger numbers and higher densities of artefacts (from a comparison of first, second, and fourth order streams).
- Distance from water: the results showed that an assumption that sites would be clustered within 50 metres of water sources was not entirely correct from the data available. In first order stream landscapes, there was no significant correlation between artefact distribution and distance to water. In second order landscapes, artefact density was highest within 50 metres of water, and then declined with increasing distance. In fourth order landscapes, density was highest between 51-100 metres from water.
- Landform: Artefact density was lowest on upper slopes and ridgetops, with density increasing on mid and lower slopes. Density was highest in terrace landforms, and lower on creek flats, likely due to repeated flooding events and the erosion that caused.
- Distance to silcrete sources: the results of the study showed no significant difference between sites located closer to or further away from silcrete sources. However, 6 kilometres was the maximum tested distance from silcrete sources, so the sample is only representative of a limited area.
- Aspect: only appeared to have an influence on sites in the lower parts of valleys may have been sited to take advantage of steady factors such as the rising/setting sun and wind direction. Sites in higher parts of valleys may have been influenced by weather and other factors.

The study concluded that landform and distance from water had an impact on site distribution, with artefacts becoming more numerous closer to creeks, and along higher order creeks. It also found that although artefacts are found on all landforms, landform type influences artefact distribution, with the preference being for slightly elevated, well-drained areas in the lower parts of valleys.

(2000) conducted an assessment for a proposed development for Sydney Gas operations at Kay Park, Cawdor, approximately 15 kilometres east of the current study area. The area had been subject to some disturbance resulting from pastoral and farming activities. An archaeological survey of the area identified two sites, both were artefact scatters. The first contained six artefacts and was located on a hillslope; the second contained four artefacts and was located approximately 50 metres from an ephemeral water course. Most of these artefacts were made of either silcrete or chert. The proposed development was changed in order to avoid impacting on these identified sites, and a subsequent survey was carried out of the revised assessment area (Dibden 2002). This survey did not identify any further sites.

Dibden (2003) conducted an assessment at Menangle Park, approximately 20 kilometres east of the current study area. The assessment involved an investigation of approximately 80 proposed gas well locations. The combined archaeological surveys resulted in the identification of 20 newly identified sites, the majority of which were isolated artefacts. The sites were listed as having low research potential, as they were representative of a common site type on the Cumberland Plain and were subject to high levels of disturbance. In addition to previously recorded sites in the Menangle Park study area, a total of 20 artefact scatters, eight isolated finds and seven scarred trees were identified. The dominant material type was silcrete, with some chert, tuff, and quartz artefacts also being identified.

JMCHM (2007) conducted an assessment for the Oran Park and Turner Road Precincts located approximately 30 kilometres north-east of the current study area as a part of the NSW Growth Centres assessment. The Oran Park archaeological survey identified a total of 44 sites, as well as four areas of archaeological potential; few undisturbed areas were present. The newly identified sites revealed that occupation in the area was focused around first and second order tributaries of creeks, as well as along ridge tops, hill crests, and low order creek flats. The stone artefacts discovered were predominantly silcrete, with some quartz and tuff

artefacts also present. The Turner Road archaeological survey recorded 14 newly identified sites. Of these sites, nine were open camp sites, three were scarred trees, three were potential archaeological deposits (PADs), and one was an isolated find. As with the Oran Park survey most artefacts identified were silcrete, with some artefacts of quartz and tuff also being present. The lithics analysis concluded that previous Aboriginal activity in the area was concentrated on ridge tops, hill crests, and low order creek flats, with sites being focused at river junctions.

ENSR (2009) conducted sub surface investigations for the Oran Park and Turner Road Precincts, following the JMCHM assessments conducted in 2007. The sub surface investigations at Oran Park comprised of 340, 1 by 1 metre test pits, as well as 160 square metres of open excavation. A total of 4780 stone artefacts were recovered, with silcrete artefacts accounting for about three-quarters of the total assemblage. Most artefacts were recovered from pits on creek banks, creek side flats, and particularly slopes. The sub surface investigations within the Turner Road Precinct comprised a total of 140 test pits excavated along four transect areas. The results can be seen in Table 3.

Table 3 Results of archaeological excavation at Turner Road Precinct (ENSR 2009, pp. 33)

Transect	Location	Number of test pits	Findings	Comments
E	Transect E was located either side of South Creek near a confluence of the creek and feeder drainage lines	30	Total of 106 artefacts Majority were recovered from 3 test pits	Transect E demonstrates the relative paucity of artefacts at this creek flat location with minor concentrations evident within mostly barren topsoil. Test pits with larger artefact numbers are located well back (~50 m) from the creek channel
F	Transect F is located on crest and slope landform situated well away from the creek and without good outlook directly over the South Creek Valley	40	Total of 10 artefacts Recovered from 9 of the 40 test pits excavated	Transect F demonstrates the absence of artefact concentrations. Archaeological evidence is limited to isolated random artefact occurrences within a predominantly archaeologically barren area
G	Transect G was located on a spur crest and upper slope facing the South Creek Valley. Test pit sets were arranged along the Northing lines	40	Total of 169 artefacts Recovered from 27 of the 40 test pits excavated	Transect G demonstrates the presence of significant camp site concentrations in areas of good outlook over major watercourse on elevated ground at 200 m distance from the creek. Once one moves away from this view, artefact frequency drops off to practically nothing
H	Transect H was located on the slope and creek side flat next to a second order creek	30	Total of 179 artefacts Recovered from 22 of the 30 test pits excavated	Transect H demonstrates the presence of significant camp site concentrations in areas of good outlook over second order watercourse on elevated ground at 120 m distance from the creek. There is no evident trend of increased artefact density nearer to the creek

Particular trends were evident when comparing artefact distribution across areas excavated. Most of the artefacts were located on creek side flats and slopes, which was also the location of the majority of the test pits excavated. Creek banks, ridges, and spurs had smaller artefact concentrations, and from the 15 test pits excavated on crests, only four artefacts were recovered. The results of the assessment indicated that there

was no trend evident of there being a higher number of artefacts located near creeks of a higher order. Instead, artefacts were more common in areas that maintained a good outlook over water courses.

Mary Dallas Consulting Archaeologists (MDCA 2007) assessed an area approximately 20 kilometres east of the current study area. The assessment comprised of sub surface investigations, where a total of 60 test squares and trenches were excavated across four areas. A total of 66 artefacts were recovered from 24 out of 60 excavated units. These artefacts were predominantly made of silcrete, with some chert, quartzite and quartz being present. The site was assessed as having low archaeological significance due to the level of existing disturbance and the relative lack of artefacts.

AMBS (2012) assessed the Austral and Leppington North Precincts prior to their development. An AHIMS search of the area identified 86 previously recorded sites, including 39 artefact scatters, 37 isolated finds, eight PADs, and two scarred trees. The predictive model stated that stone artefact sites were most likely to be identified during archaeological survey of the area. The survey recorded six newly identified sites, including five isolated artefacts, and one artefact scatter and PAD. Most of the artefacts found were made of silcrete, although chert was also present. Four of the artefacts were present on creek flats, and two were located on slopes. Sensitivity mapping conducted by AMBS highlighted areas in proximity to creeklines, and ridgelines as the main areas of archaeological sensitivity within the Austral and Leppington North precincts. Ridgelines and other areas of elevated terrain were assigned moderate potential, and areas adjacent to waterways were assigned high potential, with this decreasing to moderate with increasing distance to water.

3.2.2. Local overview

A small number of development-driven assessments have been undertaken within the region surrounding the study area. The findings from this work have contributed to a more informed understanding of Aboriginal cultural heritage across Cumberland Plains and the Cumberland Lowlands. Those most relevant to the study area have been summarised below.

Haglund and Associates (1989) completed salvage excavations as part of conditions of consent to destroy AHIMS sites AHIMS 52-1-0077/Nattai River 6, AHIMS 52-1-0078/Nattai River , AHIMS 52-1-0079/Nattai River 4 and AHIMS 52-1-0080/Nattai River 3, approximately 5-6 kilometres north-west of the study area, for the construction of a long term coal washery reject emplacement. The initial archaeological survey completed by Conyers et al. (1983, cited by Haglund and Associates 1989, pp. 3) covered an area 1.15 by 0.85 kilometres, during which two rock shelters with art (AHIMS 52-1-0081/Nattai River 7, AHIMS 52-1-0080/Nattai River 3), a grinding groove site (AHIMS 52-1-0082/Nattai River 8) and three shelters with PAD (AHIMS 52-1-0077/Nattai River 6, AHIMS 52-1-0078/Nattai River, AHIMS 52-1-0079/Nattai River 4) were identified. Test excavations confirmed the shelters with PAD contained archaeological deposits (Haglund 1984, cited by Haglund and Associates 1989, pp. 4). The preliminary results reported 2000-3000 artefacts were recovered from salvage excavations of 1 metre squared to a depth of 35-38 centimetres at AHIMS 52-1-0079/Nattai River 4, largely described to be 'flaking debris' with few cores or retouched artefacts present. A total of 2 square metres were excavated at AHIMS 52-1-0077/Nattai River 6 to a maximum depth of 80 centimetres. A hearth was identified at the surface level and traces in the upper 30 centimetres of the deposit, along with 'a couple of thousand' artefacts comprising mainly of small flake fragments and flaking debris. Following an initial inspection of an area of disturbance caused by animal scratching, no further excavation occurred at AHIMS 52-1-0080/Nattai River 3 due to a likely absence of artefactual material.

Navin Officer (1993) undertook an archaeological survey to identify Aboriginal sites in an area proposed for longwall mining at Oakdale Cola Mine at Oakdale, approximately 3 kilometres north of the study area. It was predicted that rock shelters with art, occupation deposit and/or PAD, grinding grooves, rock engravings artefact sites and modified trees may be present in the assessment area. The archaeological survey,

conducted by four people over seven days targeted landform surface features which were at most risk of land subsidence from mining activities, such as sandstone rock shelters, overhangs and platforms. The survey identified 12 Aboriginal sites and 19 rock shelters with PAD. Of the 12 sites, four were shelters with art (AHIMS 52-2-1689/Oakdale 1;, AHIMS 52-2-1696/Oakdale 8;, AHIMS 52-2-1698/Oakdale 10;, AHIMS 52-2-1700/Oakdale 12;), two were shelters with art and deposit (AHIMS 52-2-1690/Oakdale 2;, AHIMS 52-2-1691/Oakdale 3;), one was shelter with PAD (AHIMS 52-2-1697/Oakdale 9;), three were grinding groove sites (AHIMS 52-2-1693/Oakdale 5;, AHIMS 52-2-1694/Oakdale 6;, AHIMS 52-2-1695/Oakdale 7;), and two were artefact scatters (AHIMS 52-2-1692/Oakdale 4;, AHIMS 52-2-1699/Oakdale 11;). The results of the survey are biased in that the areas targeted for the survey would not necessarily be conducive to other site types, such as artefact sites and modified trees. It is noted that these other site types are likely present, but the works would not cause impacts due to the deep subsurface nature of the works. The assessment determined there would be no long-term constraints to the proposed longwall mining activities, and it was recommended that rock art sites should be recorded, shelter art sites and grinding groove sites should be monitored for damage.

Navin Officer (1994) was engaged to undertake further survey and assessment of an additional area for proposed longwall mining at Oakdale Coal Mine at Oakdale, approximately 1.6 kilometres north of the study area. Similar to the survey conducted of the western area (Navin Officer Archaeological Resource Management 1993), predicted site types within the assessment area included rock shelters with art, occupation deposit and/or PAD, grinding grooves, rock engravings artefact sites and modified trees. A similar approach was taken with regards to the survey strategy, in that landform surface features likely to be affected by land subsidence resulting from mining activities were targeted, such as sandstone rock shelters, overhangs and platforms. The survey was conducted by four people over five days and resulted in 13 Aboriginal sites and 16 PADs being identified. Of the 13 sites, three were rock shelters with occupation deposit and art (AHIMS 52-2-1706/Oakdale 20, AHIMS 52-2-1705/Oakdale 21, AHIMS 52-2-1704/Oakdale 22, and AHIMS 52-2-1703/Oakdale 23), one was a rock shelter with occupation deposit, art and grinding grooves (AHIMS 52-2-1708/Oakdale 18), six were rock shelters with occupation deposit (AHIMS 52-2-1712/Oakdale 14, AHIMS 52-2-1711/Oakdale 15, AHIMS 52-2-1710/Oakdale 16, AHIMS 52-2-1704/Oakdale 22, AHIMS 52-2-1702/Oakdale 24, and AHIMS 52-2-1701/Oakdale 25), one was a grinding groove site (AHIMS 52-2-1709/Oakdale 17), one was a modified tree (AHIMS 52-2-1713/Oakdale 13) and one was a stone arrangement of undetermined origin (AHIMS 52-2-1707/Oakdale 19). Due to the areas targeted, these results are also biased and there are likely more sites of varying type within the assessment area which were not surveyed. The assessment determined there would be no long-term constraints to the proposed longwall mining activities, and it was recommended that rock art sites should be recorded, shelter art sites and grinding groove sites should be monitored for damage.

Navin Officer (1994a) was commissioned by Clutha Limited to undertake an archaeological survey of Portion B of the eastern coal reserve at the Oakdale Colliery, located approximately 380 metres north. The survey identified 13 Aboriginal archaeological sites and 16 PADs: six rock shelters with occupational deposits, three rock shelters with occupational deposit and art, one rock shelter with occupational deposit, art and grinding grooves, one grinding groove site and one stone arrangement of undetermined origin.

Navin Officer (1994b) was commissioned by Clutha Limited to undertake an archaeological survey within the eastern coal reserves area in Area A-1 and B-1, located approximately 380 metres north of the study area. A survey was undertaken that targeted surface landform features thought to be most at risk of potential land subsidence caused by mining activity (for example, rock shelters, overhangs and platforms) (Navin Officer 1994b, pp. 1). Three Aboriginal sites were recorded including a scarred tree, artefact scatter and shelter with deposit and art; all of these sites are within 2 kilometres of the current study area. These sites are registered as AHIMS 48-2-0055/Oakdale 26, AHIMS 52-2-3619/Oakdale 27 and AHIMS 52-2-3620/Oakdale 28. Navin Officer identified six PADs. It was recommended that detailed recording for the shelter with deposit and art be carried out. The scarred tree is located on a hillslope 1.4 kilometers from the study area in dry sclerophyll

forest. AHIMS 52-2-3619/Oakdale 27 consisted of five chert artefacts located in a completely disturbed area, directly under a transmission line, 530 meters north-west from the study area. AHIMS 52-2-3620/Oakdale 28 is a mostly undisturbed rock shelter 844 meters north-east from the study area on a sandstone outcrop on a hillslope. Three artefacts were located in the shelter dripline – one chert and two quartz. The art in the rock shelter is limited to a small area on the roof.

Navin Officer (1995) completed an archaeological survey and assessment for Clutha Limited for two areas proposed for longwall mining activities at Brimstone Colliery, approximately 7 kilometres north of the study area. Based on environmental and archaeological research, it was predicted that rock shelter sites with occupation deposit and / or rock art, PAD, modified tree, grinding groove and artefact site types would be present within the assessment area. Similar to previous assessments, the survey targeted areas which would likely be affected by land subsidence caused by mining activities, namely sandstone rock shelters, overhangs and platforms. The survey was conducted by three people over 2.5 days, resulting in the identification of two Aboriginal sites and two PADs. Of the two sites, one was a modified tree (AHIMS 52-2-1811/Oakdale 29) and the other was a rock shelter with art (AHIMS 52-1-0164/Oakdale 30). The assessment determined there would be no constraints to the proposed longwall mining activities, and no further recording of sites was required.

Biosis Research (2010) was commissioned by TCG Planning on behalf of Wollondilly Shire Council to undertake Aboriginal and historical assessment of the proposed rezoning of two properties at The Oaks, approximately 8 kilometres east of the current study area. No new Aboriginal sites or areas of archaeological sensitivity were identified.

Artefact Heritage (2013) was commissioned by Precise Planning to conduct and Aboriginal heritage assessment to support a Planning Proposal for the re-zoning of 35 Egans Road in Oakdale, approximately 350 metres to the north-east of the current study area. Two artefact scatters were located during the survey. The entire area was considered to have high to moderate levels of previous disturbance and was assessed as having low archaeological potential. Recommendations included applying for an AHIP if impacts to two Aboriginal sites are proposed in the future. No further archaeological work was required.

Biosis (2016) conducted an Aboriginal heritage due diligence assessment at 1550 Burragorang Road, Oakdale, approximately 155 metres north-west of the study area, in 2013 and identified areas of moderate archaeological sensitivity in association with a drainage channel, elevated landform, and a crest within the southwest portion of the study area. Test excavations were undertaken by Biosis for the area of moderate sensitivity within the crest landform as well as and a small rise to the immediate north of a small drainage line near the western boundary in May 2016. A total of 10 test pits were excavated and no artefacts were recovered. The landforms were compared with that of those present within the current study area and it was confirmed that the landforms present within the current study area were more likely to yield Aboriginal objects, due to their elevated position within the landscape.

Biosis (2019) undertook an ACHA for Michael Brown Planning Strategies Pty Ltd at 1590 Burragorang Road, Oakdale, approximately 445 metres west of the study area. Based on background research, it was anticipated that there was high likelihood for artefact sites to be present within the assessment area, along with moderate likelihood for modified trees, axe grinding grooves and PAD sites. While no existing sites were recorded within the assessment area, the archaeological survey identified an artefact scatter comprising four artefacts (AHIMS 52-2-4504/Burragorang Road AS1), along with areas of high and moderate archaeological potential across the entire assessment area. AHIMS 52-2-4504/Burragorang Road AS1 featured a silcrete complete flake, a quartz distal flake, and two quartz angular fragments. Test excavations were undertaken, resulting in the identification of a sub-surface artefact scatter comprising three artefacts (AHIMS 52-2-4503/Burragorang Road AS2), all of which were complete chert flakes recovered from a depth range of 5-30 centimetres. Both AHIMS 52-2-4504/Burragorang Road AS1 and AHIMS 52-2-4503/Burragorang Road AS2 were assessed to hold low significance, and an AHIP was recommended to impact upon the sites.

Biosis (2023) prepared an Aboriginal and non-Aboriginal desktop constraints assessment for Tudor Planning and Design for 650 Burragorang Road, The Oaks, approximately 5.5 kilometres north-east of the study area. The background research identified environmental features which increased the likelihood for Aboriginal sites to be present. These environmental features comprise the presence of non-perennial water sources within and near the assessment area, Ashfield and Bringelly Shale and the Minchinbury Sandstone geological formations, the residual Blacktown soil landscape and broad slopes and flat landforms within the assessment area. It was recommended that a formal Aboriginal Due Diligence Assessment be undertaken to determine whether Aboriginal sites or areas of archaeological potential were present within the assessment area.

3.2.3. AHIMS site analysis

A search of the AHIMS database (Client Service ID: 780128) identified 97 Aboriginal archaeological sites within a 9 x 9 kilometre search area, centred on the study area (Figure 7). Two of these registered sites are located within the study area (Figure 7). AHIMS search results are provided in Appendix A. Table 4 provides the frequencies of Aboriginal site types in the vicinity of the study area. The mapping coordinates recorded for these sites were checked for consistency with their descriptions and location on maps from Aboriginal heritage reports where available. These descriptions and maps were relied upon where there were notable discrepancies.

It should be noted that the AHIMS database reflects Aboriginal sites that have been officially recorded and included on the list. Large areas of NSW have not been subject to systematic, archaeological survey; hence AHIMS listings may reflect previous survey patterns and should not be considered a complete list of Aboriginal sites within a given area. Some recorded sites consist of more than one element, for example artefacts and a modified tree, however for the purposes of this breakdown and the predictive modelling, all individual site types will be studied and compared. This explains why there are 109 results presented here, compared to the 97 sites identified in AHIMS.

Table 4 AHIMS site type frequency

Site type	Number of occurrences	Frequency (%)
Artefact	41	35.65
Art (Pigment or Engraved)	23	20.00
Modified Tree (Carved or Scarred)	18	15.65
Grinding Groove	16	13.91
Burial	8	6.96
Water Hole	4	3.48
Stone Arrangement	2	1.74
Shell	1	0.87
PAD	1	0.87
Aboriginal Resource and Gathering	1	0.87
Total	**109**	**100.00**

A simple analysis of the Aboriginal cultural heritage sites registered within the 9 by 9 kilometre buffer of the study area indicates that artefact sites are the most common site type at 35.65% (n=41). This followed by art sites at 20% (n=23), then modified trees at 15.65% (n=18) as well as burial sites at 6.96% (n=8). Water hole sites represent 3.48% (n=4) of the site types followed by stone arrangement at 1.74% (n=2). Shell, PAD and

Aboriginal Resource and Gathering are the least represented sites registered within the radius, each at 0.87% (n=1).

The presence of large amounts of artefact sites is likely due to the landforms of the region, in particular the presence of elevated landforms such as crests and slopes in proximity to large perennial creek lines outside the study area. The small number of PADs are likely the result of both modern development in the area and a gap in archaeological recording. This modern development significantly alters the landscape often destroying or displacing Aboriginal objects. In the case of the study area, tree clearing activities by at least the 1960s may have destroyed other archaeological site types if they were present within the study area.

AHIMS sites within the study area

Two AHIMS sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 are located within the study area. Each of the site cards for these AHIMS were reviewed and checked for inconsistencies. A summary of each site is provided below.

AHIMS 52-2-4494/BR-IF-01

BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. The site card has little information recorded, with references made to the report being prepared for the sites. The site was recorded by Kayandel Archaeological Services. At the time of preparing this report, it has not been possible to obtain a copy of the report prepared by Kayandel Archaeological Services.

AHIMS 52-2-4493/BR-IF-02

BR-IF-02 consists of isolated quartzite artefact located 68 meters east from the west study area boundary. The site is located on a crest of cleared grassland in a distributed residential area used for grazing. The site card has little information recorded, with references made to the report being prepared for the sites. The site was recorded by Kayandel Archaeological Services. At the time of preparing this report, it has not been possible to obtain a copy of the report prepared by Kayandel Archaeological Services.

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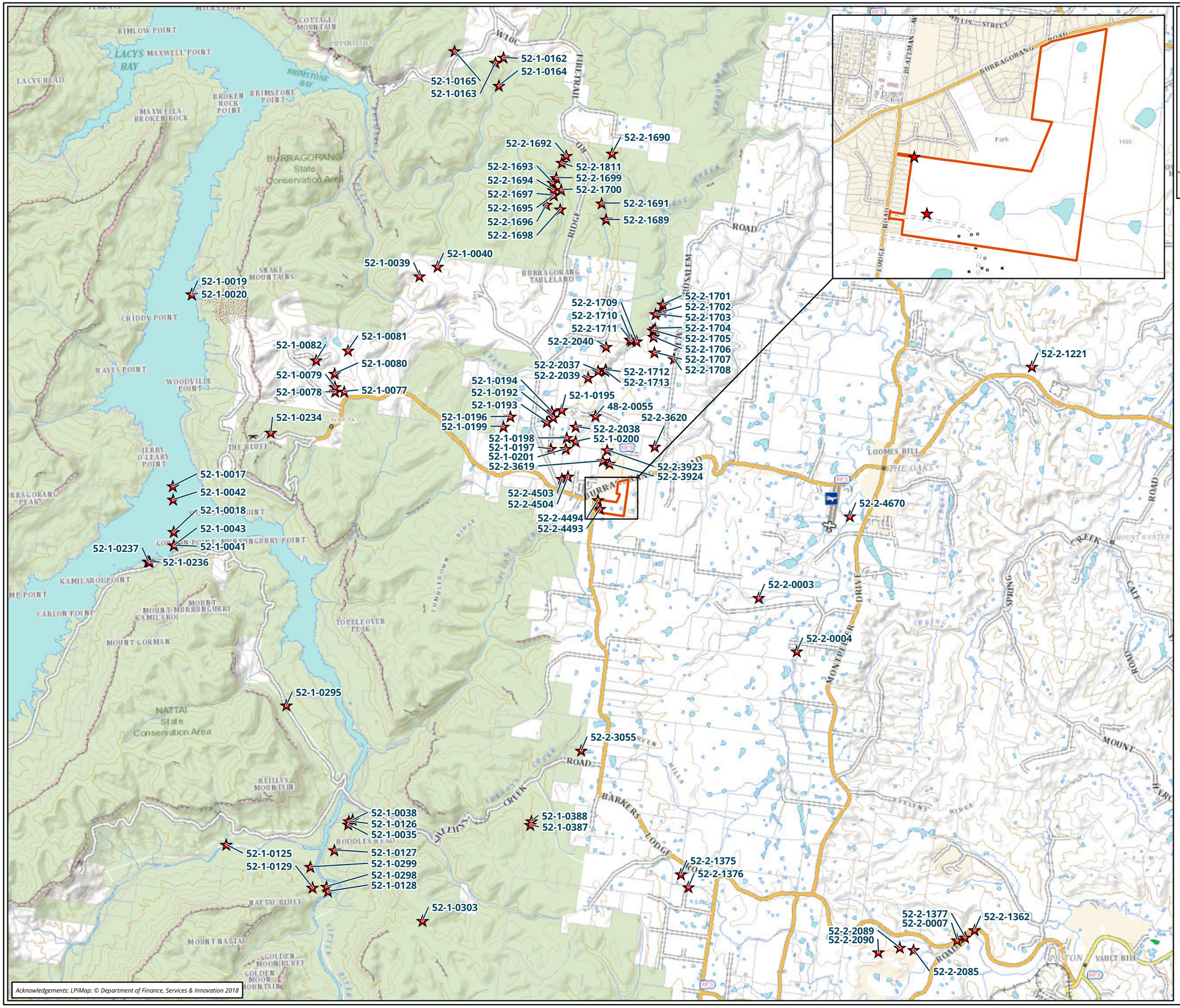

Legend

- Study area
- AHIMS

NOT TO BE MADE PUBLIC

Figure 7 AHIMS within the vicinity of the study area

0 0.75 1.5 2.25 3

Kilometres

Scale: 1:70,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

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Matter: 39164, Date: 18 May 2023,
Drawn by: JET, Checked by: BB, Last edited by: gologhlin
Location: P:\39100s\39164\Mapping\
39164_OakdalePlanningProposalACHAandHHA,
Layout: 39164_AR_F7_AHIMS

3.2.4. Discussion

The study area is underlain by the Hawkesbury Sandstone and Ashfield Shale geological formations and is contained within the Blacktown soil landscape. Topographically, the study area is located within an undulating landscape, with a crest located in the west that slopes down in an eastward direction towards drainage depressions in the south-east and north-west of the study area. Aboriginal sites such as artefacts and PAD are common across the Ashfield Shale geological formation and the Blacktown soil landscape, while rock shelter, art and grinding groove sites occur within the Hawkesbury Sandstone geological formation. Erosion can disturb or displace any present archaeological deposits, especially since this process is exacerbated by the clearance of natural vegetation as occurs with urban development as is seen around the study area (Chapman et al. 1989). This may mean that archaeological deposits (if present) have been disturbed by these processes, compromising their stratigraphic integrity, and leaving them unlikely to remain intact. The gently undulating landforms within the study area do not appear to be conducive to the exposure of sandstone in the form of rock shelters and platforms, and none have been observed in aerial photographs; however, any exposures associated with the two first order streams in the northern and southern portions of the study area may have provided opportunities for grinding groove sites, should said exposures be present.

In addition to the two first-order watercourses within the study area, Back Creek, a second order non-perennial stream, is located approximately 2 kilometres east of the study area. There are further first and second order non-perennial water sources in the vicinity of the study area, formed in the depressions caused by the undulating landscape. The proximity to multiple water courses of a range of stream order levels, suggests that Aboriginal people would have had sustained access to ample water sources in the wider area. As a result, there would have been access to an array of resources including various faunal and floral species used for subsistence, ritual and medicinal purposes. Proximity of the study area to ample resources increases the potential of discovering Aboriginal artefacts in subsurface deposits.

Archaeological assessments in the local area indicate that sites associated with exposed sandstone, such as rock shelters with art or deposits, grinding groove and other art sites, are common in areas with more severe terrain, i.e. steeper slopes and scarp areas to the west. This can be partially attributed to geology and landforms in these locations. It should also be noted that several local studies have reported bias in their assessments due to their targeting of specific landforms to effectively identify sites which could be affected by mining activity, namely rock shelters, platforms and overhands. While less intensively assessed, in the more undulating gentle landforms closer to the study area, artefact and PAD sites appear to be more common.

Aerial photographs indicate there has been relatively little disturbance compared to the surrounding areas that have been subject to residential development. Tree clearing, ploughing, animal grazing, construction of dams and minimal residential development appear to have been the main activities that have occurred within the study area. This may result in higher integrity of Aboriginal sites such as PADs and surface artefacts, with areas containing remnant vegetation holding potential for modified trees also.

3.2.5. Predictive statements

A series of statements have been formulated to broadly predict the type and character of Aboriginal cultural heritage sites likely to exist throughout the study area and where they are more likely to be located.

This statements are based on:

- Site distribution in relation to landscape descriptions within the study area.
- Consideration of site type, raw material types and site densities likely to be present within the study area.

- Findings of the ethnohistorical research on the potential for material traces to present within the study area.
- Potential Aboriginal use of natural resources present or once present within the study area.
- Consideration of the temporal and spatial relationships of sites within the study area and surrounding region.

Table 5 indicates the site types most likely to be encountered across the present study area. The definition of each site type is described firstly, followed by the predicted likelihood of this site type occurring within the study area.

Table 5 Aboriginal site prediction statements

Site type	Site description	Potential
PADs	Potential sub surface deposits of cultural material.	Medium: PADs have been previously recorded in the region across a wide range of landforms including alluvial flats. They have the potential to be present in undisturbed landforms, or those with lower levels of disturbance.
Flaked stone artefact scatters and isolated artefacts	Artefact scatter sites can range from high-density concentrations of flaked stone and ground stone artefacts to sparse, low-density 'background' scatters and isolated finds.	Medium: Two artefact sites have been recorded within the study area. Stone artefact sites have been previously recorded in the region across a wide range of landforms; they have moderate potential to be present in areas of lower disturbance within the study area.
Shell middens	Deposits of shells accumulated over either singular large resource gathering events or over longer periods of time.	Low: Shell midden sites have not been recorded within the study area. One shell site has been recorded adjacent to Lake Burragorang, a modified eighth order perennial stream which now operates as a drinking water reservoir. Shell middens are often associated with and are in proximity to perennial salt or fresh water sources. The two first order streams within the study area are unlikely to have provided consistent water sources to have allowed for marine resources to develop.
Quarries	Raw stone material procurement sites.	Low: There is no record of any quarries being within or surrounding the study area.
Modified trees	Trees with cultural modifications	Moderate: Modified trees are the third most common site type in the vicinity of the study area. A small number of mature native trees have survived within the study area, due to extensive vegetation clearing from the 1800s onwards. There is moderate potential for modified trees to be present in areas of remnant mature vegetation.
Axe grinding grooves	Grooves created in stone platforms through ground stone tool manufacture.	Moderate: The study area is partially located within the Hawkesbury Sandstone geological formation. Sandstone exposures in proximity to water sources may provide opportunity for grinding groove sites. Grinding groove sites are the fourth most common site type in the vicinity of the study area. The presence of two first order streams suggest there is moderate likelihood for grinding groove sites where there are

Site type	Site description	Potential
		sandstone exposures associated with these two drainage lines.
Burials	Aboriginal burial sites.	Low: Aboriginal burial sites are generally situated within deep, soft sediments, caves, or hollow trees. Areas of deep sandy deposits will have the potential for Aboriginal burials. The soil profiles associated with the study area are not commonly associated with burials.
Rock shelters with art and / or deposit	Rock shelter sites include rock overhangs, shelters or caves, and generally occur on, or next to, moderate to steeply sloping ground characterised by cliff lines and escarpments. These naturally formed features may contain rock art, stone artefacts or midden deposits and may also be associated with grinding grooves.	Low: The sites will only occur where suitable sandstone exposures or overhangs possessing sufficient sheltered space exist. The study area is partially located within the Hawkesbury Sandstone geological formation. However, the gently undulating nature of the study area and observations from aerial photographs indicate there are no sandstone overhangs or exposures suitable for shelters within the study area.
Aboriginal ceremony and Dreaming Sites	Such sites are often intangible places and features and are identified through oral histories, ethnohistoric data, or Aboriginal informants.	Low: There are currently no recorded mythological stories for the study area.
Post-contact sites	These are sites relating to the shared history of Aboriginal and non-Aboriginal people of an area and may include places such as missions, massacre sites, post-contact camp sites and buildings associated with post-contact Aboriginal use.	Low: There are no post-contact sites previously recorded in the study area and historical sources do not identify one.
Aboriginal places	Aboriginal places may not contain any 'archaeological' indicators of a site but are nonetheless important to Aboriginal people. They may be places of cultural, spiritual or historic significance. Often, they are places tied to community history and may include natural features (such as swimming and fishing holes), places where Aboriginal political events commenced or particular buildings.	Low: There are currently no recorded Aboriginal historical associations for the study area.

4. Archaeological survey

A field survey of the study area was undertaken on 25 September 2023, attended by Crystal Garabedian (Biosis, Heritage Consultant), Otto Reichelt (Biosis, Graduate Heritage Consultant), and Jamie Currell (Cultural Sites Office, Kamilaroi Yankuntjatjara Working Group). The field survey sampling strategy, methodology and a discussion of results are provided below.

4.1. Archaeological survey objectives

The objectives of the survey were to:

- Provide RAPs an opportunity to view the study area and to discuss previously identified Aboriginal object(s) and/or place(s) in or within proximity to the study area.
- Attempt to re-identify Aboriginal archaeological sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 previously identified in the study area.
- Undertake a systematic survey of the study area targeting areas with the potential for Aboriginal heritage.
- Identify and record Aboriginal archaeological sites visible on the ground surface.
- Identify and record areas of PADs.

4.2. Archaeological survey methodology

The survey methods were intended to assess and understand the landforms and to determine whether any archaeological material from Aboriginal occupation or land use exists within the study area.

4.2.1. Sampling strategy

The survey consisted of one meandering transect across visible and accessible landforms within the study area. Surveyors were spaced approximately two metres apart for effective ground coverage. This follows the methodology set out in Burke and Smith (2004, pp. 65), which states that a single person can only effectively visually survey an area of two linear metres.

4.2.2. Survey methods

The archaeological survey was conducted on foot with a field team of three members. Recording during the survey followed the archaeological survey requirements of the Code and industry best practice methodology. Information that recorded during the survey included:

- Aboriginal objects or sites present in the study area during the survey.
- Survey coverage.
- Any resources that may have been exploited by Aboriginal people.
- Landform.
- Photographs of the site indicating landform.
- Evidence of disturbance.

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

Where possible, identification of natural soil deposits within the study area was undertaken. Photographs and recording techniques were incorporated into the survey including representative photographs of survey units, landform, vegetation coverage, ground surface visibility and the recording of soil information for each survey unit were possible.

Any potential Aboriginal objects observed during the survey were documented and photographed. The location of Aboriginal cultural heritage and points marking the boundary of the landform elements were recorded using a handheld Global Positioning System (GPS) and the Map Grid of Australia (MGA) (94) coordinate system.

4.3. Archaeological survey results

A total of one meandering transect was walked across five landforms, with the three surveyors walking 2 metres apart (Figure 8). The location of previously recorded sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 were visited, though neither isolated find was re-identified. No Aboriginal sites or PADs were identified in the study area. The results from the field survey have been summarised in Table 6 below and full transect details are provided in Figure 8.

Table 6 Survey coverage

Survey unit	Landform	Survey unit area (m²)	Visibility (%)	Exposure (%)	Effective coverage area (m²)	Effective coverage (%)
1	Crest	1,322	5	5	3.31	0.25
2	Ridge	2,904	5	5	7.26	0.25
3	Shoulder	11,257	15	10	168.86	1.5
4	Slope	24,876	15	10	373.14	1.5
5	Valley	2,588	20	15	77.64	3

Table 7 Landform summary

Landform	Landform area (m²)	Area effectively surveyed (m²)	Landform effectively surveyed (%)	No. of Aboriginal sites	No. of artefacts or features
Crest	4,284	3.31	0.08	0	0
Ridge	31,176	7.26	0.02	2	2 (previously recorded AHIMS)
Shoulder	80,970	168.86	0.21	0	0
Slope	91,612	497.52	0.54	0	0
Valley	18,981	77.64	0.41	0	0

4.3.1. Constraints to the survey

With any archaeological survey there are several factors that influence the effectiveness (the likelihood of finding sites) of the survey. The factors that contributed most to the effectiveness of the survey within the study area were limited GSV throughout the study area due to grass and vegetation coverage.

4.3.2. Visibility

In most archaeological reports and guidelines visibility refers to GSV, and is usually a percentage estimate of the ground surface that is visible and allowing for the detection of (usually stone) artefacts that may be present on the ground surface (DECCW 2010a). GSV varied throughout the study area; GSV was low (5%) on crest and ridge landforms (Photo 7, Photo 8), moderate (15%) within the shoulder and slope landforms (Photo 9, Photo 10) and relatively high (20%) within the valley landform (Photo 11). Low GSV was due to extensive grass and vegetation coverage. High GSV within the valley landform is largely attributed to grass clearance in proximity to the dam.

Photo 7 Low GSV (5%) observed within crest landform (photo facing north)

Photo 8 **Low GSV (5%) observed within ridge landform (photo facing north)**

Photo 9 **Moderate GSV (15%) observed within shoulder landform, facing north-west**

Photo 10 **Moderate GSV (15%) observed within slope landform, facing east**

Photo 11 **High GSV (20%) observed within valley landform, facing north-west**

4.3.3. Exposure

Exposure refers to the geomorphic conditions of the local landform being surveyed and attempts to describe the relationship between those conditions and the likelihood the prevailing conditions provide for the exposure of (buried) archaeological materials. Whilst also usually expressed as a percentage estimate, exposure is different to visibility in that it is in part a summation of geomorphic processes, rather than a simple observation of the ground surface (Burke & Smith 2004, pp. 79, DECCW 2010a).

Overall, the study area displayed moderate exposure (20%). Areas of high exposure were primarily associated with the artificial dams within the study area (Photo 12, Photo 13 and Photo 14).

Photo 12 Area of high exposure (80%) associated with articifial dam, facing east

Photo 13 **Area of moderate exposure (40%) within the slope landform, facing south-west**

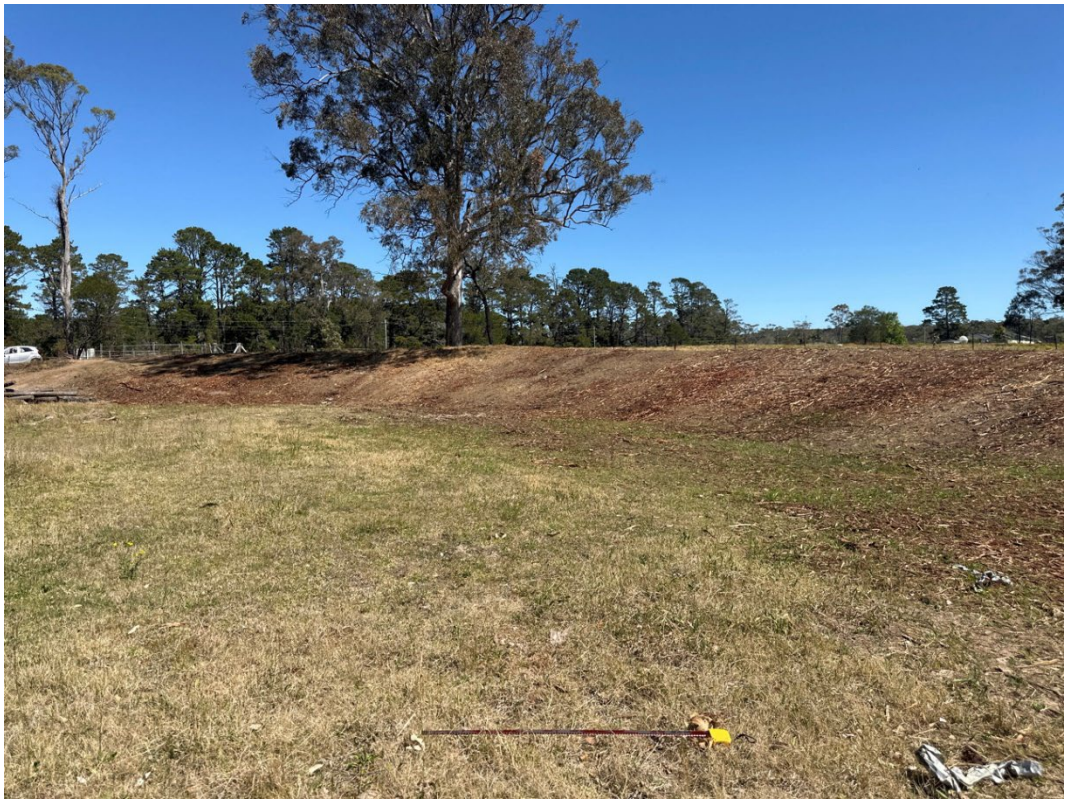


Photo 14 **Area of exposure (40%) near modified, raised area in the eastern portion of the study area, facing south-west**

4.3.4. Disturbances

Disturbance in the study area is associated with natural and human agents. Overall, the study area displays a moderate level of disturbance. Natural agents generally affect small areas and include the burrowing and scratching in soil by animals, such as wombats, foxes, rabbits, and wallabies, and sometimes exposure from slumping or scouring.

Disturbances observed within the study area were primarily associated with human agents. This included construction of access paths (Photo 15), storage buildings (Photo 16), residential buildings (Photo 17), fencing (Photo 18), and water management (Photo 19, Photo 20).

Photo 15 Disturbance associated with vehicle access tracks, facing north-west

Photo 16 Disturbance associated with construction of storage facilities, facing north-east

Photo 17 Disturbance associated with construction of residential buildings, facing south

Photo 18 Disturbance associated with fencing, facing north

Photo 19 Disturbance associated with water management, facing west

Photo 20 Disturbance associated with bore holes, facing west

4.4. Discussion of archaeological survey results

The survey consisted of a single meandering transect walked across the study area (Figure 8). The topography of the study area varied greatly, including crest, ridge, shoulder, slope and valley landforms (Figure 9).

The study area lies within Sydney Basin Bioregion of Burragorang, whose geology primarily consists of Permian and Triassic sandstones and shales on the western edge of the Basin (NPWS 2003). The study area is located within the Hawkesbury Sandstone formation of the Wianamatta Group formation. While this underlying geology could indicate potential for the presence grinding groove or rock shelter sites, the archaeological survey confirmed that the necessary landforms and sandstone outcrops are not present within the study area.

There are two non-perennial water courses present within the study area; these are tributaries of Back Creek, located approximately 1.1 kilometres east of the study area. The presence of an intermittent water source within the study area increases the likelihood of previous land use by Aboriginal groups moving through the area. However, the presence of Back Creek and Gillans Creek, both second-order non-perennial water sources, located more than 1 kilometre from the study area may have provided more reliable water and resources, making the study area less conducive for repeated occupation and use.

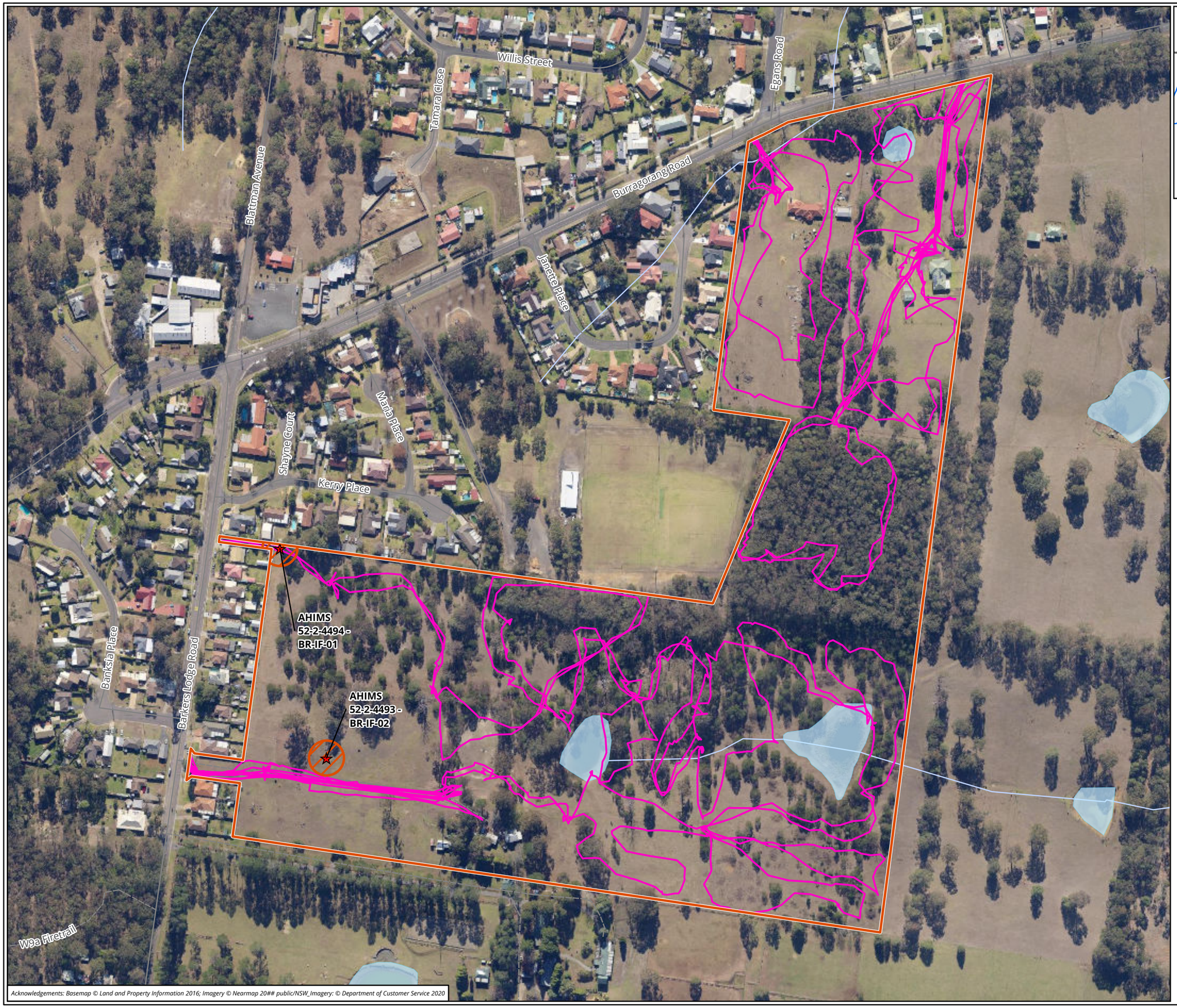
The study area is within the Blacktown Soil Landscape, a residual soil landscape containing reasonable potential to contain archaeological deposits in an open context, such as stone artefacts derived from occupation sites. This has been demonstrated within the study area by the previous identification of isolated finds (AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02). However, when these landscapes are impacted by extensive land clearing, areas of disturbance often feature much poorer preservation of archaeological materials. This is likely the case within the study area, which has undergone extensive vegetation clearance and consistent previous pastoral land use.

The location of AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 were revisited during the survey, but no artefacts were re-identified. This is likely due to ongoing pastoral land use within the study area which has resulted in further disturbance of both previously recorded sites. Both previously recorded sites display evidence of ongoing land use (Photo 21 and Photo 22).

Photo 21 Location of AHIMS 52-2-4494/BR-IF-01, facing north

Photo 22 Location of AHIMS 52-2-4493/BR-IF-02, facing north-east

The archaeological survey of the study area confirmed moderate levels of disturbance throughout the study area and no Aboriginal sites were identified. Overall, the study area has been assessed to hold low potential to contain intact archaeological deposits (Figure 10).



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Legend

- Study area
- Survey tracks

AHIMS sites within the study area

- AHIMS sites
- 15 metre site buffer

Figure 8 Survey coverage

0 20 40 60 80

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

N

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Matter: 39164, Date: 24 October 2023,
Prepared for: CG, BB. Prepared by: HL, Last edited by: hliswoyo
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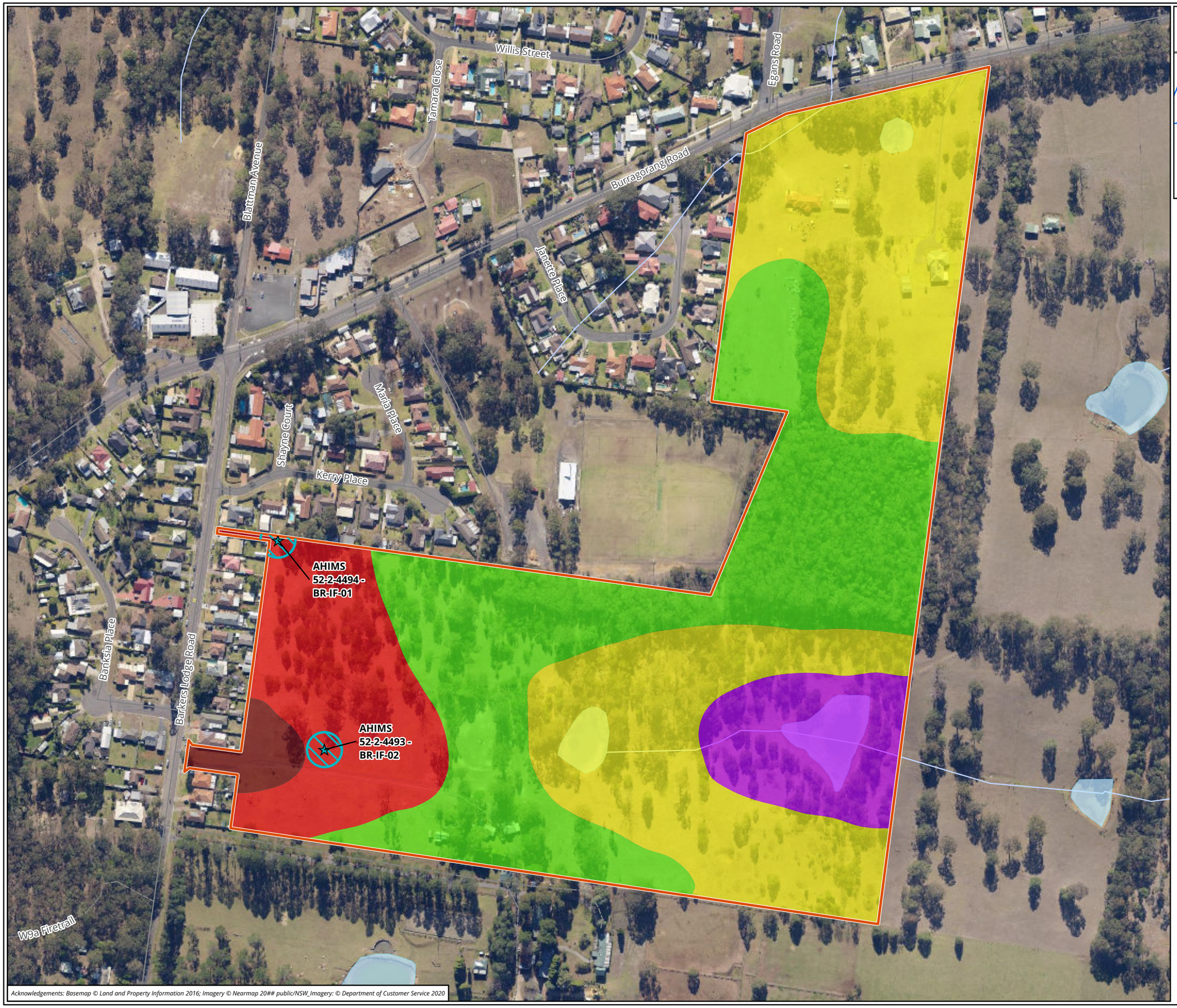

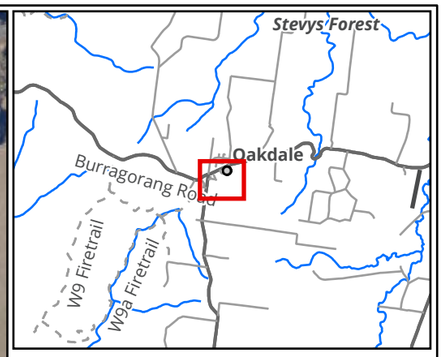

Legend

Study area

Landform

- Crest
- Ridge
- Shoulder
- Slope
- Valley

AHIMS sites within the study area

- AHIMS sites
- 15 metre site buffer

Figure 9 Landforms

0 20 40 60 80

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

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Prepared for: CG, BB. Prepared by: HL, Last edited by: hliswoyo
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Layout: 39164_AR_F9_Landforms

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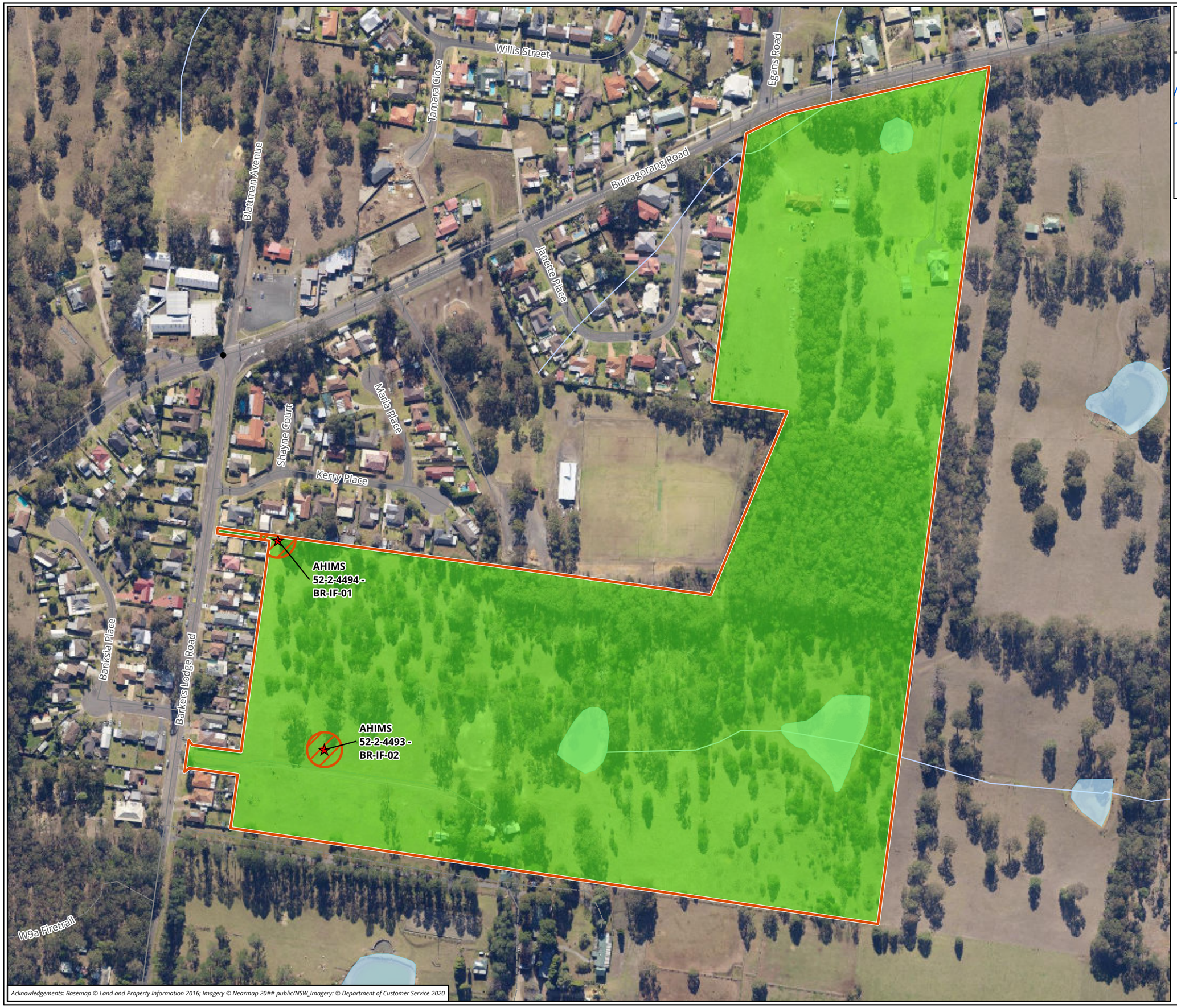

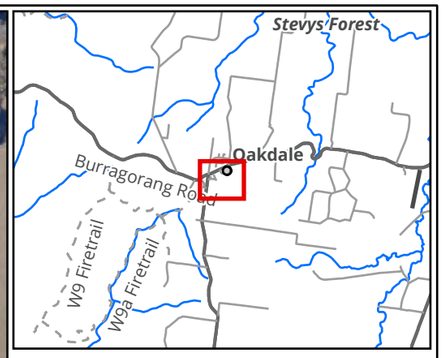

Legend

Study area

Archaeological potential

Low potential

AHIMS sites within the study area

AHIMS sites

15 metre site buffer

Figure 10 Survey results

0 20 40 60 80

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

N

biosis

Matter: 39164, Date: 24 October 2023,
Prepared for: CG, BB. Prepared by: HL, Last edited by: hliswoyo
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5. Scientific values and 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 scientific values while the ACHA report will detail the cultural values of Aboriginal sites in the study area.

5.1. Introduction to the assessment process

Heritage assessment criteria in NSW fall broadly within the significance values outlined in the ICOMOS 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, an 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 ICOMOS 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 Commonwealth Department of the Environment and Energy, Heritage NSW, NSW Department of Planning, Industry 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 ICOMOS 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 Heritage NSW Guidelines (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 a consideration of Aboriginal sites and places are the cultural/social significance to Aboriginal people and their archaeological or scientific significance to archaeologists. 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. Archaeological (scientific significance) values

Archaeological significance (also called scientific significance, as per the ICOMOS Burra Charter) refers to the value of archaeological objects or sites as they relate to research questions that are of importance to the archaeological community, including indigenous communities, heritage managers and academic archaeologists. Generally the value of this type of significance is determined on the basis of the potential for sites and objects to provide information regarding the past life-ways of people (Burke & Smith 2004, pp. 249, NSW National Parks and Wildlife Service 1997).

For this reason, the National Parks and Wildlife Service (NPWS) summarises the situation as 'while various criteria for archaeological significance assessment have been advanced over the years, most of them fall under the heading of archaeological research potential' (NSW National Parks and Wildlife Service 1997, pp. 26).

The NPWS criteria for archaeological significance assessment are based largely on the ICOMOS Burra Charter.

Research potential

Research potential is assessed by examining site content and site condition. Site content refers to all cultural materials and organic remains associated with human activity at a site. Site content also refers to the site structure – the size of the site, the patterning of cultural materials within the site, the presence of any stratified deposits and the rarity of particular artefact types. As the site contents criterion is not applicable to scarred trees, the assessment of scarred trees is outlined separately below. Site condition refers to the degree of disturbance to the contents of a site at the time it was recorded.

Table 8 and Table 9 outline the site content and site condition rating used for archaeological sites.

Table 8 Site contents ratings used for archaeological sites

Rating	Description
0	No cultural material remaining.

Rating	Description
1	Site contains a small number (e.g. 0–10 artefacts) or limited range of cultural materials with no evident stratification.
2	Site contains a larger number, but limited range of cultural materials; and/or some intact stratified deposit remains; and/or are or unusual example(s) of a particular artefact type.
3	Site contains a large number and diverse range of cultural materials; and/or largely intact stratified deposit; and/or surface spatial patterning of cultural materials that still reflect the way in which the cultural materials were deposited.

Table 9 Site condition ratings used for archaeological sites

Rating	Description
0	Site destroyed.
1	Site in a deteriorated condition with a high degree of disturbance; lack of stratified deposits; some cultural materials remaining.
2	Site in a fair to good condition, but with some disturbance.
3	Site in an excellent condition with little or no disturbance. For surface artefact scatters this may mean that the spatial patterning of cultural materials still reflects the way in which the cultural materials were laid down.

Pearson and Sullivan (1995, pp. 149)note that Aboriginal archaeological sites are generally of high research potential because 'they are the major source of information about Aboriginal prehistory'. Indeed, the often great time depth of Aboriginal archaeological sites gives them research value from a global perspective, as they are an important record of humanity's history. Research potential can also refer to specific local circumstances in space and time — a site may have particular characteristics (well preserved samples for absolute dating, or a series of refitting artefacts, for example) that mean it can provide information about certain aspects of Aboriginal life in the past that other less or alternatively valuable sites may not (Burke & Smith 2004, pp. 247–8). When determining research potential value particular emphasis has been placed on the potential for absolute dating of sites.

The following sections provide statements of significance for the Aboriginal archaeological sites recorded during the sub-surface testing for the assessment. The significance of each site follows the assessment process outlined above. This includes a statement of significance based on the categories defined in the Burra Charter. These categories include social, historic, scientific, aesthetic and cultural (in this case archaeological) landscape values. Nomination of the level of value — high, moderate, low or not applicable — for each relevant category is also proposed. Where suitable the determination of cultural (archaeological) landscape value is applied to both individual sites and places (to explore their associations) and also, to the Study Area as a whole. The nomination levels for the archaeological significance of each site are summarised below.

Representativeness

Representativeness refers to the regional distribution of a particular site type. Representativeness is assessed by whether the site is common, occasional, or rare in a given region. Assessments of representativeness are subjectively biased by current knowledge of the distribution and number of archaeological sites in a region. This varies from place to place depending on the extent of archaeological research. Consequently, a site that is assigned low significance values for contents and condition, but a high significance value for representativeness, can only be regarded as significant in terms of knowledge of the regional archaeology. Any such site should be subject to re-assessment as more archaeological research is undertaken.

Assessment of representativeness also considers the contents and condition of a site. For example, in any region there may only be a limited number of sites of any type that have suffered minimal disturbance. Such sites would therefore be given a high significance rating for representativeness, although they may occur commonly within the region.

Table 10 outlines the site representativeness ratings used for archaeological sites.

Table 10 Site representativeness ratings used for archaeological sites

Rating	Description
1	Common occurrence
2	Occasional occurrence
3	Rare occurrence

Overall scientific significance ratings for sites, based on a cumulative score for site contents, site integrity and representativeness are provided in Table 11.

Table 11 Scientific significance ratings used for archaeological sites

Rating	Description
1–3	Low scientific significance
4–6	Moderate scientific significance
7–9	High scientific significance

Each site is given a score based on these criteria. The overall scientific significance is determined by the cumulative score. This scoring procedure has been applied to the Aboriginal archaeological sites identified during the sub-surface testing. The results are provided in Table 14.

5.2.1. Statements of archaeological significance

The following archaeological significance assessment is based on Requirement 11 of the Code. Using the assessment criteria detailed in Scientific Values and Significance Assessment, an assessment of significance was determined and a rating for each site was determined. The results of the archaeological significance assessment are given in Table 12 below.

Table 12 Scientific significance assessment of archaeological sites recorded within the study area.

Site name	Site content	Site condition	Representativeness	Scientific significance
AHIMS 52-2-4494/BR-IF-01	0	0	1	1 – Low
AHIMS 52-2-4493/BR-IF-02	0	0	1	1 – Low

Table 13 Statements of scientific significance for archaeological sites recorded within the study area.

Site name	Statement of significance
AHIMS 52-2-4494/ BR-IF-01	AHIMS 52-2-4494/ BR-IF-01 consists of an isolated silcrete artefact located on the north-west border of the study area, 52 meters east from Bakers Lodge Road. The site is located on a crest of cleared grassland in a disturbed area used for grazing, approximately 370 metres north-west of a first-order, nonperennial watercourse. The site type is common and the condition of the site is poor. No artefacts were identified in the survey carried out by Biosis. AHIMS 52-2-4494/ BR-IF-01 possesses low scientific significance.

Site name	Statement of significance
AHIMS 52-2-4493/ BR-IF-02	AHIMS 52-2-4493/BR-IF-02 consists of isolated quartzite artefact located in the south-west of the study area. The site is located on a crest of cleared grassland in a disturbed residential area used for grazing, approximately 247 metres west of a first-order, nonperennial watercourse. The site type is common and the condition of the site is poor. No artefacts were identified in the survey carried out by Biosis. AHIMS 52-2-4493/BR-IF-02 possesses low scientific significance.

6. Impact assessment

As previously outlined, the proposed development will involve the subdivision and construction of residential buildings.

6.1. Predicted physical impacts

The proposed development will involve the subdivision of the study area into up to 208 lots and construction of residential buildings. This development will include several works associated with residential development of the area (Figure 3). To facilitate this development, earthworks, road construction, services and infrastructure installation will occur. These activities will result in disturbance of the ground throughout the study area and will or have the potential to impact Aboriginal sites within the study area.

Should the current proposed subdivision layout for the planning proposal remain unchanged, these activities may disturb or completely remove Aboriginal objects. A summary of impacts is provided below in Table 14 and shown in Figure 11.

Table 14 Summary of potential archaeological impacts

AHIMS site no.	Site name	Significance	Type of harm	Degree of harm	Consequence of harm
AHIMS 52-2-4494	BR-IF-01	1 – Low	Direct	Whole	Total loss of value
AHIMS 52-2-4493	BR-IF-02	1 – Low	Direct	Whole	Total loss of value

6.1.1. Ecologically Sustainable Development

One of the primary aims of the NPW Act is the 'conservation of objects places and features … of cultural value within the landscape, including … places, objects and features of significance to Aboriginal people …' ((s.2A(1)(b)(i)). The *Operational Policy: Protecting Aboriginal Cultural Heritage (Version 2)* (State of NSW and Office of Environment and Heritage NSW 2011) provides guidance to proponents in term of Ecologically Sustainable Development (ESD).

ESD has been defined in Part 3, 6. (2) Objective of the Authority of the *Protection of the Environment Administration Act 1991* (NSW). This outlines that the ESD requires the integration of economic and environmental considerations (including cultural heritage) in the decision-making process. Regarding Aboriginal cultural heritage, ESD can be achieved by applying the principle of intergenerational equity and the precautionary principle.

> ***Intergenerational equity***
>
> *The principle of intergenerational equity states that the present generation should make every effort to ensure the health, diversity and productivity of the environment – which includes cultural heritage – for the benefit of future generations.*
>
> *In terms of Aboriginal cultural heritage, intergenerational equity can be considered in terms of the 'cumulative impacts' of any proposal to Aboriginal objects and places. For example, if few Aboriginal objects and places remain in a region (because of harm authorised under previous AHIPs), fewer*

opportunities remain for future generations of Aboriginal people to enjoy the cultural benefits of those Aboriginal objects and places.

Information about the significance of Aboriginal cultural heritage values associated with the Aboriginal objects and places proposed to be harmed will be relevant to the consideration of intergenerational equity and an understanding of the cumulative impacts of a proposal.

Where there is uncertainty, the precautionary principle should also be followed (see below).

The precautionary principle

The precautionary principle states that the lack of full scientific certainty about the threat of harm should not be used as a reason for not taking measures to prevent harm from occurring.

In applying the precautionary principle, decisions should be guided by:

- *a careful evaluation to avoid, wherever practicable, serious or irreversible damage to the environment (which includes cultural heritage)*
- *an assessment of the risk-weighted consequences of various options.*

The precautionary principle is relevant to Heritage NSW consideration of potential harm to Aboriginal cultural heritage where:

- *the proposal involves a risk of serious or irreversible harm to Aboriginal objects or places or to the value of those objects or places, and*
- *there is a lot of uncertainty about the significance of Aboriginal cultural heritage values of the Aboriginal objects or places proposed to be harmed.*

Where this is the case, a precautionary approach should be taken and all cost-effective measures implemented to prevent or reduce harm to the Aboriginal objects/place (State of NSW and Office of Environment and Heritage NSW 2011, pp. 26).

The results of this assessment identified two existing Aboriginal sites (AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02) within the study area; no further Aboriginal sites or areas of archaeological potential were identified. As identified in the background research and through Aboriginal community consultation, the region containing the study area, particularly to the north and west, contains a range of sites, landforms and landscapes that are significant to local Aboriginal groups. Therefore, this assessment has been able to further our knowledge of Aboriginal archaeology in the area, by highlighting the environmental and cultural significance of the surrounding landscape and how this may have been intertwined with the current study area.

6.2. Avoiding harm to Aboriginal heritage

As part of the current subdivision design, harm cannot be avoided to Aboriginal sites within the study area as a part of the proposed works. Therefore, mitigation measures and recommendations have been developed (Section 6.3 and Section 7).

6.3. 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.

Application for an AHIP to impact sites within the study area

Isolated find sites AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 have been previously recorded within the study area. These sites could not be relocated by Biosis during the field survey, existed in areas that have undergone moderate level of disturbances, and have been assessed to hold low scientific significance. As impacts to cannot be avoided to these sites, an AHIP should be sought to permit impact to these sites through the proposed development. As part of the AHIP, salvage through community collection of AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 should be undertaken to ensure that artefacts associated with these sites can be recovered prior to impacts. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).
- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

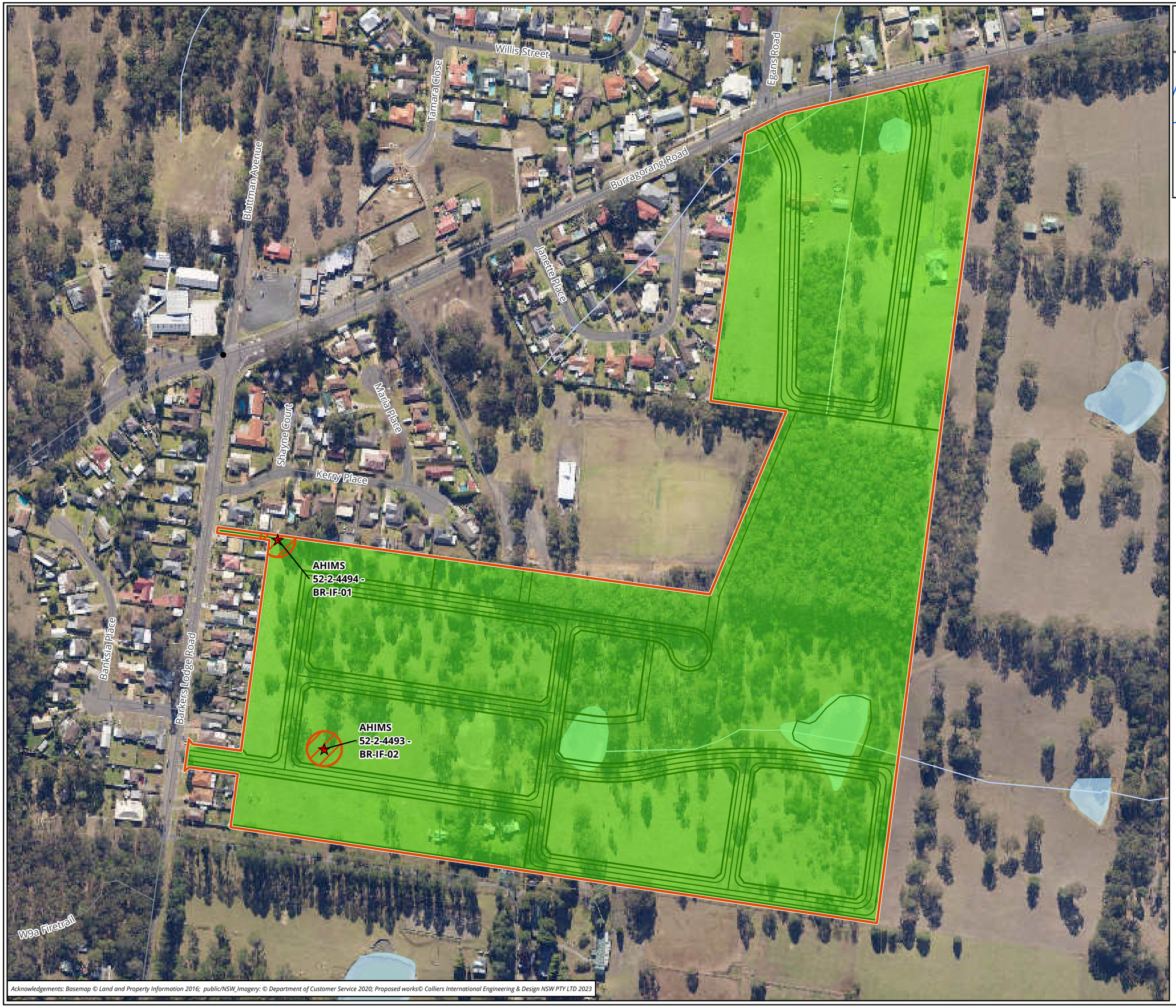
Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed and included in a construction management plan for the proposed development.

Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.



Legend

- Study area
- Lot
- Proposed works

Archaeological potential

- Low potential

AHIMS sites within the study area

- AHIMS sites
- 15 metre site buffer

Figure 11 Impact assessment

0 20 40 60 80

Metres

Scale: 1:3,000@ A3

Coordinate System:
GDA 1994 MGA Zone 56

biosis

Matter: 39164, Date: 10 November 2023,
Prepared for: CG, BB. Prepared by: HL, Last edited by: jtownsend
Location: P:\39100s\39164\Mapping\
39164_HL_OakdalePlanningProposalACHAandHHA,
Layout: 39164_AR_F11_ImpactAssessment

Acknowledgements: Basemap © Land and Property Information 2016; public/NSW_Imagery: © Department of Customer Service 2020; Proposed works© Colliers International Engineering & Design NSW PTY LTD 2023

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: Application for an Aboriginal Heritage Impact Permit (AHIP) to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02

An AHIP is required for any activities likely to have an impact on Aboriginal objects or places or cause land to be disturbed for the purposes of discovering an Aboriginal object. Heritage NSW issues AHIPs under Part 6 of the NPW Act.

It is recommended that Colliers apply to Heritage NSW for an AHIP to harm AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. The AHIP should allow for impacts to both sites through the proposed works. **The AHIP should be for a period of 10 years.**

As part of the AHIP, prior to impacts RAPs should be afforded the opportunity for the community collection of the artefacts associated with AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02. RAPs must be consulted on ongoing care and control of salvaged artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02.

Advice preparing AHIPs

AHIPs should be prepared by a qualified archaeologist and lodged with Heritage NSW. Once the application is lodged processing time can take between eight and 12 weeks. It should be noted that there will be an application fee levied by the Heritage NSW for the processing of AHIPs, which is dependent on the estimated total cost of the development project. Where there are multiple sites within one study area an application for an AHIP to cover the entire study area is recommended.

Recommendation 2: Areas identified as having low archaeological potential

No further investigations are required for areas assessed as having low archaeological potential. This recommendation is conditional upon Recommendations 3 and 4.

Recommendation 3: Mitigating impacts to Aboriginal cultural heritage

The following measures should be undertaken to mitigate impacts of the proposed development to Aboriginal cultural heritage.

Connecting with Country

The project should be developed in accordance with the best practice guidelines presented in the *Connecting with Country* framework (Government Architect NSW 2023) to ensure that Aboriginal cultural heritage is incorporated into the design of the proposed development.

Heritage interpretation

To mitigate the impacts to AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02, heritage interpretation should be included as part of the development to inform the wider community of the Aboriginal cultural heritage of the study area and vicinity. Heritage interpretation should be undertaken in consultation with the RAPs and in accordance with the following guidelines and best practice:

- *Heritage Information Series: Interpretating Heritage Places and Items Guidelines* (NSW Heritage Office 2005).
- *We're a Dreaming Country: Guidelines for Interpretation of Aboriginal Heritage* (National Trust of Australia (WA) 2012).
- *The ICOMOS Charter for the Interpretation and Presentation of Cultural Heritage Sites* (ICOMOS 2008).

Heritage induction

All site workers, contractors and subcontractors must undertake a heritage induction to provide them with information on the Aboriginal cultural heritage of the study area, their responsibilities under the NPW Act and fines for breaches of the NPW Act.

Unexpected finds procedure during works

To ensure that any unexpected Aboriginal objects are treated appropriately, an unexpected finds protocol, including protocol for the discovery of human remains, must be developed and included in a construction management plan for the proposed development (see Recommendations 5 and 6).

Recommendation 4: Continued Aboriginal community consultation

In accordance with the consultation requirements, a copy of the draft ACHA must be provided to all RAPs for their review and comment. In addition, RAPs must be consulted regarding care and control of any artefacts from AHIMS 52-2-4494/BR-IF-01 and AHIMS 52-2-4493/BR-IF-02 able to be obtained through community collection. A copy of the final ACHA should also be provided to the RAPs for their records.

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.

Recommendation 5: Discovery of Unanticipated Aboriginal Objects

All Aboriginal objects and Places are protected under the NSW NPW Act. It is an offence to knowingly disturb an Aboriginal site without a consent permit issued by the Heritage NSW. 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 object the archaeologist will provide further recommendations. These may include notifying the Heritage NSW and Aboriginal stakeholders.

Recommendation 6: Discovery of human remains

If any suspected human remains are discovered during any activity works, all activity in the vicinity must cease immediately. The remains must be left in place and protected from harm or damage. The following contingency plan describes the immediate actions that must be taken in instances where human remains or suspected human remains are discovered. Any such discovery at the study area must follow these steps:

3. **Discovery:** If suspected human remains are discovered all activity in the vicinity must stop to ensure minimal damage is caused to the remains; and the remains must be left in place, and protected from harm or damage.
4. **Notification:** Once suspected human skeletal remains have been found, the Coroner's Office and the NSW Police must be notified immediately. Following this, the find will be reported to the Aboriginal parties and Heritage NSW.

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APPENDICES

Appendix A. AHIMS results

THE FOLLOWING APPENDIX IS NOT TO BE MADE PUBLIC.

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 39164 - CG - 9 km

Client Service ID : 780128

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
52-1-0234	Burragorang lookout	AGD	56	263484	6227174	Open site	Valid	Grinding Groove : -, Water Hole : -		
	Contact T Russell	**Recorders**	Mr.Mark Simon					**Permits**		
52-1-0035	Warragamba Reservoir, Mount Burragorang	AGD	56	265036	6219312	Open site	Valid	Water Hole : -	Water Hole/Well	
	Contact	**Recorders**	James Farrell					**Permits**		
52-1-0039	Oakdale, Brimstone Gully 1	AGD	56	266467	6230317	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	**Recorders**	Ann Jelinek					**Permits**		
52-1-0040	Oakdale, Brimstone Gully 2	AGD	56	266829	6230507	Closed site	Valid	Art (Pigment or Engraved) : -, Grinding Groove : -	Axe Grinding Groove,Shelter with Art	
	Contact	**Recorders**	Ann Jelinek					**Permits**		
52-1-0197	Oakdale 56	AGD	56	269100	6226850	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-2-4503	Burragorang Road AS 2	GDA	56	269428	6226438	Open site	Valid	Artefact : -		
	Contact	**Recorders**	Biosis Pty Ltd - Wollongong,Mrs.Samantha Keats					**Permits**		
52-2-3055	Burragorang SCA 001	AGD	56	269709	6220799	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact T Russell	**Recorders**	NPWS - Nattai Sub-District					**Permits**		
52-2-2038	Oakdale 47 (Camden)	AGD	56	269600	6227300	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	4075
	Contact	**Recorders**	Ben Evans,R Williams,Tom Knight					**Permits**		
52-2-4670	OA-PAD-2020-01	GDA	56	275203	6225686	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	**Recorders**	Extent Heritage Pty Ltd - Pyrmont - Individual users,Doctor.Tse Siang Lim					**Permits**		
52-2-1705	Oakdale 21;	AGD	56	271150	6229230	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-2-1701	Oakdale 25;	AGD	56	271350	6229750	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-1-0237	Burragorang lake Midden 1	AGD	56	261021	6224592	Open site	Valid	Shell : -		
	Contact T Russell	**Recorders**	Miss.Rebecca Chalker					**Permits**		
52-1-0295	Sheehys Creek Road - Paperbark Resource	GDA	56	263900	6221891	Open site	Valid	Aboriginal Resource and Gathering : -		

Report generated by AHIMS Web Service on 09/05/2023 for Samantha Keats for the following area at Datum :GDA, Zone : 56, Eastings : 261018.0 - 279785.0, Northings : 6216669.0 - 6235454.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 97

This information is not guaranteed to be free from error omission. Heritage NSW and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Mr.Mark Simon					Permits		
52-1-0299	Orange Tree Flat - AFT 01	GDA	56	264384	6218652	Open site	Valid	Artefact : 2		
	Contact	Recorders	Mr.Mark Simon					Permits		
52-1-0387	Sheehys Creek Art01	GDA	56	268794	6219499	Closed site	Valid	Art (Pigment or Engraved) : -		
	Contact	Recorders	Mr.Mark Simon					Permits		
52-2-1696	Oakdale 8;	AGD	56	269010	6231750	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2664
	Contact	Recorders	Kerry Navin					Permits		
52-2-1693	Oakdale 5;	AGD	56	269140	6232190	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	2664
	Contact	Recorders	Kerry Navin					Permits		
52-2-1695	Oakdale 7;	AGD	56	269160	6231940	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	2664
	Contact	Recorders	Kerry Navin					Permits		
52-2-0003	Waterfall Creek;Oakdale;	AGD	56	273271	6223864	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	103104
	Contact	Recorders	Australian Museum					Permits		
52-1-0165	Oakdale 33	AGD	56	267170	6234830	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	3196
	Contact	Recorders	P Saunders					Permits		
52-1-0164	Oakdale 30	AGD	56	268060	6234140	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	3092
	Contact	Recorders	P Saunders					Permits		
52-2-1707	Oakdale 19;	AGD	56	271180	6228790	Open site	Valid	Stone Arrangement : -	Stone Arrangement	2793
	Contact	Recorders	Mr.Kelvin Officer					Permits		
52-1-0019	Nattai River 1	AGD	56	261900	6229954	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Fred McCarthy					Permits		
52-1-0125	Nattai River 9	AGD	56	262590	6218910	Open site	Valid	Artefact : -	Open Camp Site	1720
	Contact	Recorders	Helen Brayshaw,Mary Dallas Consulting Archaeologists (MDCA)					Permits		
52-1-0129	Little River 4	AGD	56	264320	6218050	Open site	Valid	Artefact : -	Open Camp Site	1720
	Contact	Recorders	Doctor.Jo McDonald,Murray Williams					Permits		
52-1-0196	Oakdale 55	AGD	56	268290	6227500	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Kerry Navin,Mr.Kelvin Officer					Permits		
52-2-1697	Oakdale 9;	AGD	56	269160	6231940	Closed site	Valid	Artefact : -	Shelter with Deposit	2664

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 39164 - CG - 9 km

Client Service ID : 780128

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Kerry Navin					Permits		
52-1-0195	Oakdale 54	AGD	56	269320	6227630	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	Contact	Recorders	Kerry Navin,Mr.Kelvin Officer					Permits		
52-2-1698	Oakdale 10;	AGD	56	269290	6231660	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2664
	Contact	Recorders	Kerry Navin					Permits		
52-2-1692	Oakdale 4;	AGD	56	269410	6232730	Open site	Valid	Artefact : -	Open Camp Site	2664
	Contact	Recorders	Kerry Navin					Permits		
52-2-4494	BR-IF-01	GDA	56	270152	6226017	Open site	Valid	Artefact : 1		
	Contact	Recorders	Kayandel Archaeological Services,Miss.Meg Walker					Permits		
52-2-3619	Oakdale 27	GDA	56	270250	6226800	Open site	Valid	Stone Arrangement : 5		3001
	Contact	Recorders	Kerry Navin,Doctor.Susan (left ahms) Mcintyre-Tamwoy					Permits		
52-2-3924	EG-S-02	GDA	56	270383	6226742	Open site	Valid	Artefact : 2		
	Contact	Recorders	Artefact - Cultural Heritage Management - Pyrmont,Mr.Leigh Bate					Permits		
52-1-0199	Oakdale 58	AGD	56	268150	6227300	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Kerry Navin,Mr.Kelvin Officer					Permits		
52-2-1710	Oakdale 16;	AGD	56	270720	6229020	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	Recorders	Mr.Kelvin Officer					Permits		
52-2-1702	Oakdale 24;	AGD	56	271340	6229600	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	Recorders	Mr.Kelvin Officer					Permits		
52-2-1362	Moyen Gully;	AGD	56	277600	6217200	Open site	Valid	Burial : -	Burial/s	1333,103104,103105
	Contact	Recorders	Warren Bluff					Permits		
52-2-1221	Flaggy Creek 1;	AGD	56	278750	6228500	Closed site	Valid	Artefact : -	Shelter with Deposit	1281
	Contact	Recorders	Margrit Koettig					Permits		
52-2-2089	NG/IF2 Long Gully Creek 2	AGD	56	276100	6216840	Open site	Valid	Artefact : -	Isolated Find	4573,98440,103104,103105
	Contact	Recorders	Stephanie Garling					Permits	1008	
52-1-0080	Nattai River 3	AGD	56	264767	6228363	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1718
	Contact	Recorders	Ms.Bronwyn Conyers					Permits	77,89	
52-1-0388	Sheehys Creek Art02	GDA	56	268816	6219575	Closed site	Valid	Art (Pigment or Engraved) : -		
	Contact	Recorders	Mr.Mark Simon					Permits		

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 39164 - CG - 9 km

Client Service ID : 780128

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
52-1-0194	Oakdale 53	AGD	56	269120	6227600	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-1-0198	Oakdale 57	AGD	56	269420	6227070	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-2-4493	BR-IF-02	GDA	56	270192	6225837	Open site	Valid	Artefact : 1		
	Contact	**Recorders**	Kayandel Archaeological Services,Miss.Meg Walker					**Permits**		
52-2-2037	Oakdale 48;Oakdale;	AGD	56	270050	6228420	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	**Recorders**	Ben Evans,R Williams,Tom Knight					**Permits**		
52-2-1713	Oakdale 13;	AGD	56	270190	6228420	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-2-3923	EG-S-01	GDA	56	270336	6227016	Open site	Valid	Artefact : 4		
	Contact	**Recorders**	Artefact - Cultural Heritage Management - Pyrmont,Mr.Leigh Bate					**Permits**		
52-2-1689	Oakdale 1;	AGD	56	270210	6231450	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2664
	Contact	**Recorders**	Kerry Navin					**Permits**	591	
52-2-1376	Crocodile creek;	AGD	56	271860	6218060	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	1333
	Contact	**Recorders**	Warren Bluff					**Permits**		
52-2-3620	Oakdale 28	GDA	56	271290	6227090	Closed site	Valid	Artefact : 3		3001
	Contact	**Recorders**	Kerry Navin,Doctor.Susan (left ahms) Mcintyre-Tamwoy					**Permits**		
52-2-0007	Barkers Lodge;	AGD	56	277248	6216990	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	103104,103105
	Contact	**Recorders**	NPWS - Blackheath Office,R Etheridge,W.A Cuneo,Bruce Knox					**Permits**		
52-1-0303	Hoddles track - grinding grooves01	GDA	56	266632	6217573	Open site	Valid	Water Hole : -, Grinding Groove : -		
	Contact	**Recorders**	Mr.Mark Simon					**Permits**		
52-1-0126	Little River 1	AGD	56	265050	6219380	Open site	Valid	Artefact : -	Open Camp Site	1720
	Contact	**Recorders**	Doctor.Jo McDonald,Murray Williams					**Permits**		
52-1-0038	Mount Burragorang	AGD	56	265126	6219405	Open site	Valid	Water Hole : -	Water Hole/Well	
	Contact	**Recorders**	James Farrell					**Permits**		
52-1-0193	Oakdale 52	AGD	56	269020	6227390	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
52-1-0201	Oakdale 60	AGD	56	269400	6226850	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-2-2039	Oakdale 49 (Camden)	AGD	56	269850	6228280	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	4075
	Contact	**Recorders**	Ben Evans,R Williams,Tom Knight					**Permits**		
52-2-1703	Oakdale 23;	AGD	56	271200	6229560	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-1-0042	Lake Burragorang, Gormans Flat	AGD	56	261524	6225830	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	
	Contact	**Recorders**	David Bell					**Permits**		
52-2-1377	Crocodile creek;	AGD	56	277410	6217050	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	1333,103104,103105
	Contact	**Recorders**	Warren Bluff					**Permits**		
52-1-0020	Nattai River 2	AGD	56	261900	6229954	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	**Recorders**	R Etheridge					**Permits**		
52-2-2090	NG/IF3 Long Gully Creek	AGD	56	275670	6216750	Open site	Valid	Artefact : -	Isolated Find	4573,103105
	Contact	**Recorders**	Stephanie Garling					**Permits**	1007	
52-1-0298	Orange Tree Flat - Isolated find 01	GDA	56	264706	6218258	Open site	Valid	Artefact : 1		
	Contact	**Recorders**	Mr.Mark Simon					**Permits**		
52-1-0128	Little River 3	AGD	56	264630	6217970	Open site	Valid	Artefact : -	Open Camp Site	1720
	Contact	**Recorders**	Doctor.Jo McDonald,Murray Williams					**Permits**		
52-1-0078	Nattai River 5	AGD	56	264774	6227997	Closed site	Valid	Artefact : -	Shelter with Deposit	1718
	Contact	**Recorders**	Ms.Laila Haglund					**Permits**	77,89	
52-1-0079	Nattai River 4	AGD	56	264773	6228089	Closed site	Valid	Artefact : -	Shelter with Deposit	1718
	Contact	**Recorders**	Ms.Laila Haglund					**Permits**	77,89	
52-1-0077	Nattai River 6	AGD	56	264957	6228001	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	1718
	Contact	**Recorders**	Ms.Laila Haglund					**Permits**	77,89	
52-1-0081	Nattai River 7	AGD	56	265033	6228826	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	**Recorders**	Ms.Bronwyn Conyers					**Permits**		
52-2-1699	Oakdale 11;	AGD	56	269210	6232290	Open site	Valid	Artefact : -	Open Camp Site	2664

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	**Recorders**	Kerry Navin					**Permits**		
48-2-0055	Oakdale 26	GDA	56	270100	6227700	Open site	Valid	Modified Tree (Carved or Scarred) : 1		3001
	Contact	**Recorders**	Kerry Navin					**Permits**		
52-1-0163	Oakdale 31	AGD	56	267990	6234600	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	3367
	Contact	**Recorders**	Mr.Kelvin Officer,P Saunders					**Permits**		
52-1-0041	Wollondilly, Nattai River Junction	AGD	56	261542	6224915	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	
	Contact	**Recorders**	David Bell,R Etheridge,T.P Hayes					**Permits**		
52-1-0236	Burra lake flake 1	AGD	56	261052	6224582	Open site	Valid	Artefact : -		
	Contact T Russell	**Recorders**	Miss.Rebecca Chalker					**Permits**		
52-1-0082	Nattai River 8	AGD	56	264396	6228630	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	Contact	**Recorders**	Ms.Bronwyn Conyers					**Permits**		
52-1-0127	Little River 2	AGD	56	264760	6218800	Open site	Valid	Artefact : -	Open Camp Site	1720
	Contact	**Recorders**	Doctor.Jo McDonald,Murray Williams					**Permits**		
52-2-1694	Oakdale 6;	AGD	56	269150	6232050	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	2664
	Contact	**Recorders**	Kerry Navin					**Permits**		
52-2-4504	Burragorang Road AS 1	GDA	56	269550	6226487	Open site	Valid	Artefact : -		
	Contact	**Recorders**	Biosis Pty Ltd - Wollongong,Mrs.Samantha Keats					**Permits**		
52-2-1700	Oakdale 12;	AGD	56	269310	6232050	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2664
	Contact	**Recorders**	Kerry Navin					**Permits**		
52-2-1811	Oakdale 29;	AGD	56	269320	6232590	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	3092
	Contact	**Recorders**	P Saunders					**Permits**		
52-2-2040	Oakdale IF 1;Oakdale;	AGD	56	270210	6228900	Open site	Valid	Artefact : -	Isolated Find	
	Contact	**Recorders**	Ben Evans,R Williams,Tom Knight					**Permits**		
52-2-1375	Crocodile creek;	AGD	56	271710	6218320	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	1333
	Contact	**Recorders**	Warren Bluff					**Permits**		
52-2-1708	Oakdale 18;	AGD	56	271570	6228660	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -, Grinding Groove : -	Axe Grinding Groove,Shelter with Art,Shelter with Deposit	2793

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	**Recorders**	Mr.Kelvin Officer,Ms.Trish Saunders					**Permits**		
52-2-2085	NG/IF1 Long Gully Creek 1	AGD	56	276375	6216800	Open site	Valid	Artefact : -	Isolated Find	4573,103104,103105
	Contact	**Recorders**	Stephanie Garling					**Permits**	1012	
52-2-1711	Oakdale 15;	AGD	56	270690	6229050	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-1-0017	Central Burragorang 1	AGD	56	261518	6226104	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	
	Contact	**Recorders**	R Etheridge,Australian Museum					**Permits**		
52-1-0162	Oakdale 32	AGD	56	268150	6234700	Closed site	Valid	Artefact : -	Shelter with Deposit	3367
	Contact	**Recorders**	Mr.Kelvin Officer,P Saunders					**Permits**		
52-1-0192	Oakdale 51	AGD	56	269150	6227480	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-1-0200	Oakdale 59	AGD	56	269600	6227000	Open site	Valid	Artefact : -	Isolated Find	
	Contact	**Recorders**	Kerry Navin,Mr.Kelvin Officer					**Permits**		
52-2-1712	Oakdale 14;	AGD	56	270200	6228440	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer,Ms.Trish Saunders					**Permits**		
52-2-1691	Oakdale 3;	AGD	56	270120	6231780	Closed site	Valid	Art (Pigment or Engraved) : -, Artefact : -	Shelter with Art,Shelter with Deposit	2664
	Contact	**Recorders**	Kerry Navin					**Permits**		
52-2-1690	Oakdale 2;	AGD	56	270330	6232780	Closed site	Valid	Art (Pigment or Engraved) : -, Artefact : -	Shelter with Art,Shelter with Deposit	2664
	Contact	**Recorders**	Kerry Navin					**Permits**		
52-2-0004	The Hermitage;The Oak;	AGD	56	274035	6222788	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	103104
	Contact	**Recorders**	David Bell,NPWS - Blackheath Office					**Permits**		
52-2-1709	Oakdale 17;	AGD	56	270820	6229010	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	2793
	Contact	**Recorders**	Mr.Kelvin Officer,Ms.Trish Saunders					**Permits**		
52-2-1706	Oakdale 20;	AGD	56	271160	6229100	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 39164 - CG - 9 km

Client Service ID : 780128

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
52-2-1704	Oakdale 22;	AGD	56	271190	6229270	Closed site	Valid	Artefact : -	Shelter with Deposit	2793
	Contact	**Recorders**	Mr.Kelvin Officer					**Permits**		
52-1-0043	Lake Burragarong, Larry Gormans Flat	AGD	56	261542	6224915	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Carved Tree	
	Contact	**Recorders**	David Bell					**Permits**		
52-1-0018	Central Burragorang 2	AGD	56	261536	6225189	Open site	Valid	Burial : -	Burial/s	
	Contact	**Recorders**	R Etheridge					**Permits**		

**** Site Status**

Valid - The site has been recorded and accepted onto the system as valid

Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.

Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground

Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified

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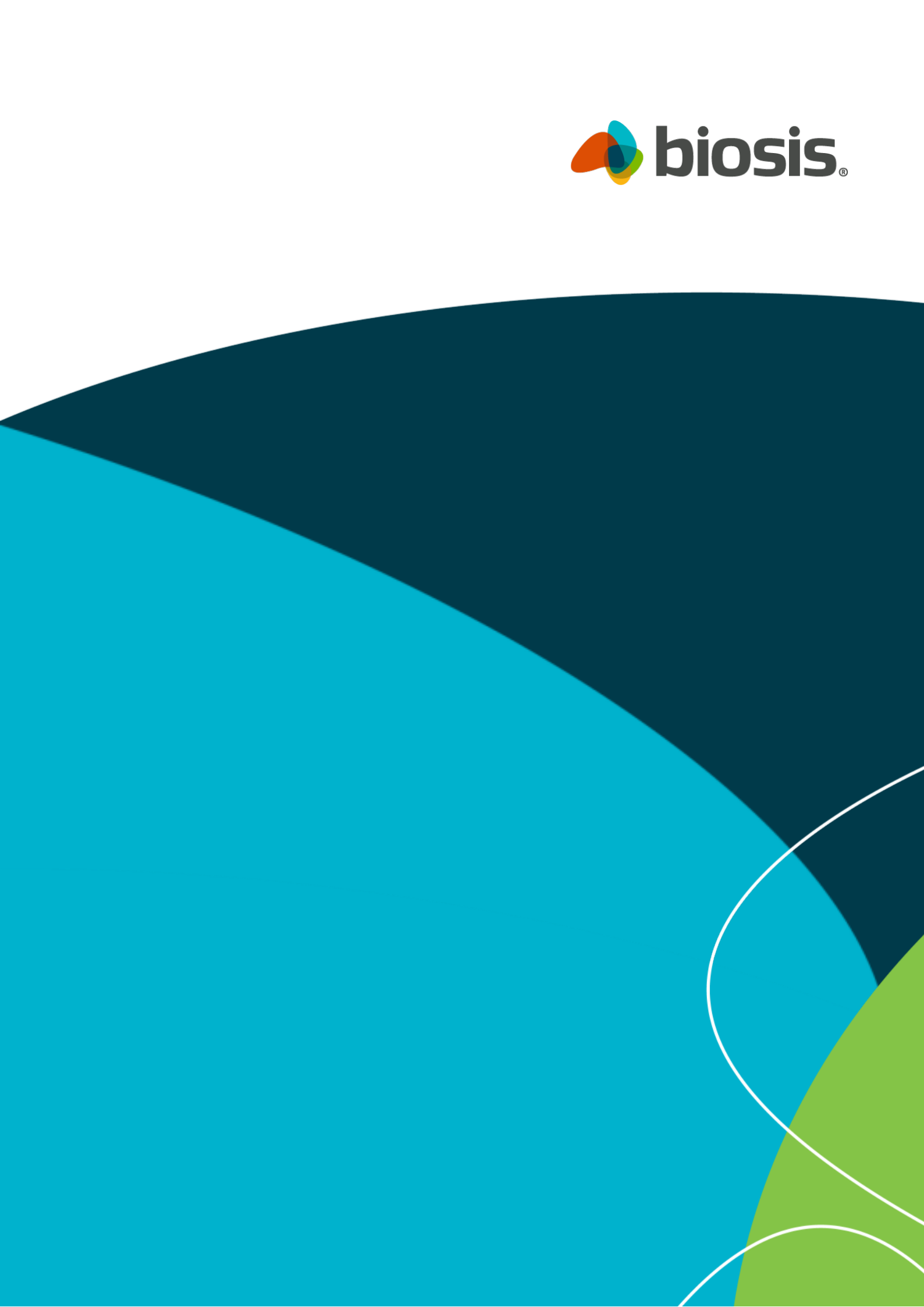
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