



# Concept Development Application and First Stage of Development, 65 Glendale Road, Glendale

Aboriginal Cultural Heritage  
Assessment Report

PREPARED FOR



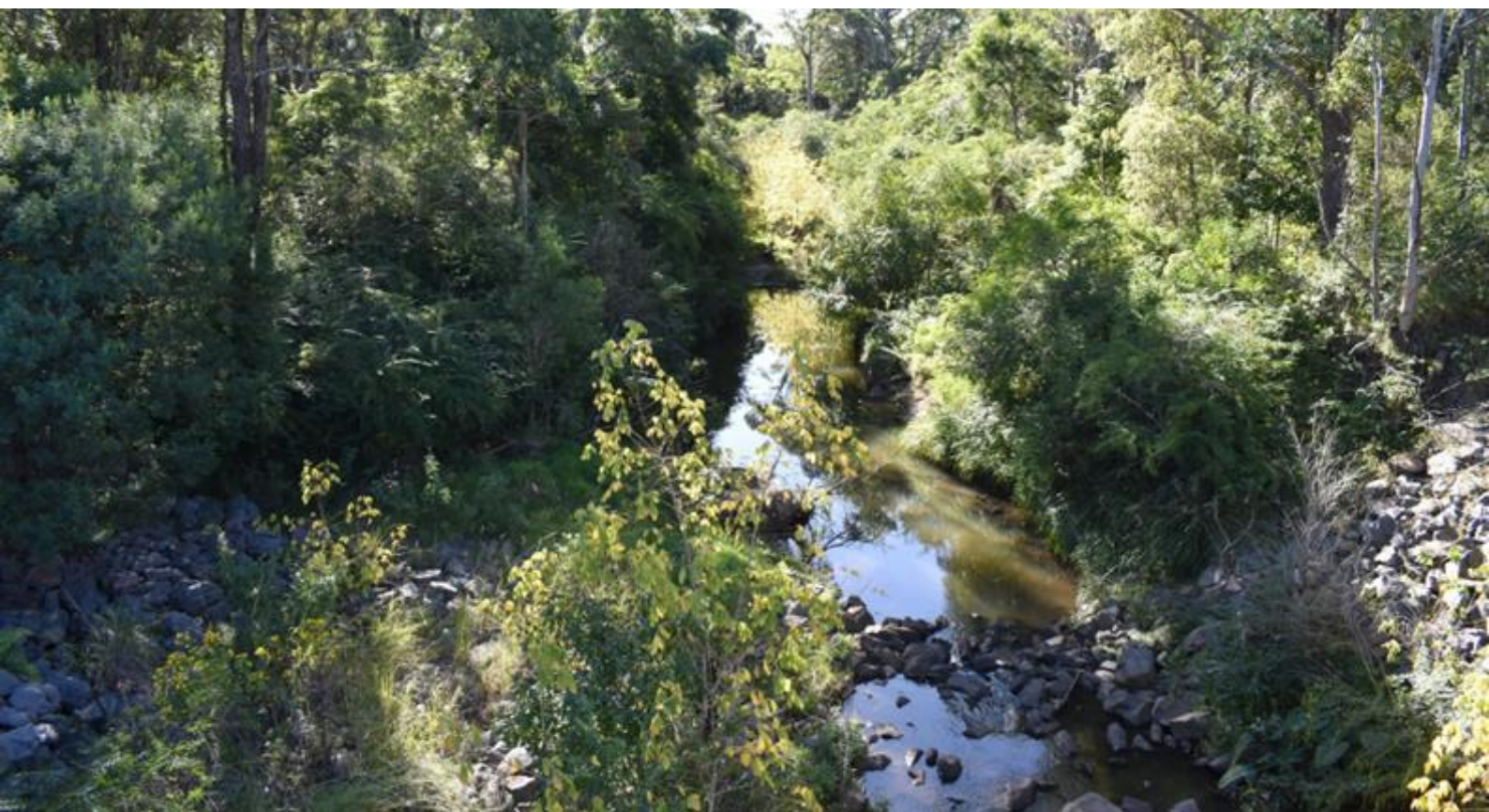
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# Concept Development Application and First Stage of Development, 65 Glendale Road, Glendale

Aboriginal Cultural Heritage Assessment Report  
0652233



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## ACRONYMS AND ABBREVIATIONS

Acronyms	Description
ACHAR	Aboriginal Cultural Heritage Assessment Report
ACHSR	Aboriginal Cultural Heritage Survey Report
AHIMS	Aboriginal Heritage Information Management System
AHIP	Aboriginal Heritage Impact Permit
asl	Above Sea Level
ATSIHP Act	<i>Aboriginal and Torres Strait Islander Heritage Protection Act 1984</i>
Burra Charter	<i>Australia International Council on Monuments and Sites, Charter for Places of Cultural Significance</i>
CHL	Commonwealth Heritage List
CMT	Culturally Modified Tree
Code of Practice	Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales
DA	Development Application
DCP	Development Control Plan
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC ACT	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
ESD	Ecologically Sustainable Development
ha	Hectare
LALC	Local Aboriginal Land Council
LEP	Local Environmental Plan
LGA	Local Government Area
LMTI	Lake Macquarie Transport Interchange
NHL	National Heritage List
NNTT	National Native Title Tribunal
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NSW	New South Wales
NSW NPWS	New South Wales National Park and Wildlife Services
NTS Corp	Native Title Services Corporation
PAD	Potential Archaeological Deposit
RAP	Registered Aboriginal Parties
RNE	Register of National Estate
SHR	State Heritage Register
TfNSW	Transport for New South Wales

## EXECUTIVE SUMMARY

This report is submitted to Lake Macquarie City Council in support of a Concept Development Application (DA) and first stage of development relating to 65 Glendale Drive, Glendale. The subject site is legally described as Lot 1 in DP 1286424 and has a total site area of 35.85 hectares. The site is zoned MU1, E2 and C2, located northeast of the Stockland Shopping Centre and has frontages to Glendale Drive and Stockland Drive, with Main Road bounding the site to the north.

The Concept DA will facilitate the future development of the site generally in line with Lake Macquarie Council's Development Control Plan for the Glendale Town Centre through definition of development parcels and associated uses that will support the delivery of Council's North West Growth Strategy. The first stage of development includes a subdivision that will establish the greater lots, to be further subdivided in the future in accordance with the Concept DA. The first stage of development also includes site works that facilitate the subdivision.

This Aboriginal Cultural Heritage Assessment Report has been prepared to identify, assess, and develop management recommendations for any identified Aboriginal Cultural Heritage. This report has been prepared in accordance with the following guidelines:

- *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements) (DECCW, 2010a);
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (Code of Practice) (DECCW 2010b);
- *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011) (ACHAR Guide); and
- *The Australia International Council on Monuments and Sites, Charter for Places of Cultural Significance* (also known as the Burra Charter, Australia ICOMOS 2013).

Aboriginal heritage survey of the subject site was undertaken on 10 and 11 May 2023 by ERM Heritage Consultants Victoria Gleeson and Brent Koppel, and Registered Aboriginal Party representatives.

Following the identification and assessment of Aboriginal cultural values an impact assessment has been completed to identify whether any Aboriginal Objects, Places or cultural values have the potential to be harmed by the Concept DA and first stage of development.

The following is a summary of the findings of this assessment:

- A total of (extant) five previously registered Aboriginal sites are within the subject site, consisting of Artefacts and a Culturally Modified Tree;
- A total of four new Aboriginal sites (Culturally Modified Trees ) were identified within the subject site as part of the development of this ACHAR;
- Based on the current Concept DA and first stage of development plan, a total of two of the nine identified sites within the subject site would be subject to total impact. It is possible that this number could be further reduced as part of detailed design for future developments; and
- The intangible Aboriginal heritage values associated with Winding Creek are proposed to be generally protected by the retention of the riparian corridor (C2 Zone).



# 1. INTRODUCTION

This report is submitted to Lake Macquarie City Council in support of a Concept Development Application (DA) and first stage of development relating to 65 Glendale Drive, Glendale. The subject site is legally described as Lot 1 in DP 1286424 and has a total site area of 35.85 hectares (ha).

The subject site (shown in *Figure 1.1* below) is owned by the Transport Asset Holding Entity (TAHE). The site is largely vacant, except for a small portion of land to the south, which is being used by Sydney Trains for project operations and will be retained for this purpose. It is legally described as Lot 1, DP 1286424 and is currently zoned as E2 commercial centre, MU1 mixed use, and C2 environmental conservation.

This Aboriginal Cultural Heritage Assessment Report (ACHAR) has been prepared by Environmental Resources Management Australia Pty Ltd (ERM) to assess the known and potential Aboriginal values across the subject site to inform the DA.

## 1.1 OBJECTIVES

This report aims to:

- Identify Aboriginal heritage resources within the subject site, including archaeological and intangible cultural heritage values;
- Present the results of Aboriginal community consultation undertaken during the preparation of this report;
- Review relevant historic and Aboriginal heritage databases;
- Review historical and environmental contextual data;
- Utilise background information to develop predictive models for the presence of Aboriginal sites within the subject site;
- Document the results of an Aboriginal heritage survey;
- Assess the significance of identified Aboriginal heritage values;
- Evaluate the impact of the proposed works on any identified Aboriginal heritage resources; and
- Provide recommendations for the mitigation of impacts and management of identified Aboriginal heritage resources.

## 1.2 PROPOSAL

Specifically, the combined application comprises the following elements:

- A Concept DA under s4.22 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) with proposed arrangement comprising:
  - internal vehicular and active transport network;
  - connections and alterations to the adjacent street network;
  - civil and stormwater arrangement;
  - bulk earthworks arrangement;
  - landscaped and public open space areas;
  - bush fire management arrangement;

- heritage management arrangement;
- future development parcels; and
- land use and development envelope associated with each parcel.
- A first stage of development, which includes subdivision comprising two phases:
  - Phase 1: Three (3) lots (north and south of Glendale Drive); and
  - Phase 2: Subdivision of Lot 3 created at Phase 1 into seven [7] lots, including one [1] proposed road reserve lot. Works to facilitate the second subdivision stage, including (but not limited to):
    - bulk earthworks;
    - civil (stormwater and road) infrastructure; and
    - servicing infrastructure.

The Concept DA proposes the following uses for each lot:

- Lot 1 (north of Glendale Drive)
  - development parcels comprising:
    - mixed use buildings;
    - Residential flat buildings;
    - Multi dwelling housing; and
    - Commercial.
  - public open space.
- Lot 2 (north of Winding Creek and east of Glendale Drive);
  - a development parcel comprising residential flat buildings.
- Lot 3 (south of Glendale Drive);
  - subdivision at Phase 2 into seven [7] lots comprising:
    - three lots with a permissible use (Lot 31, Lot 32, and Lot 33);
    - three lots to be retained by TAHE for existing transport operational purposes (Lot 34, Lot 35, and Lot 36).; and
    - one lot for dedication as road reserve (Lot 37).

The combined application is summarised in *Figure 1.1* and *Figure 1.2*.

### 1.3 METHODOLOGY

This ACHAR examines Aboriginal heritage values within the subject site. This report has been prepared in accordance with the *National Parks and Wildlife Act 1974*, and all other relevant and legislation, and the following guidelines:

- *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010a) (Consultation Requirements);
- *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b) (Code of Practice);
- *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011) (ACHAR Guide); and

- *The Australia International Council on Monuments and Sites, Charter for Places of Cultural Significance* (also known as the Burra Charter, Australia ICOMOS 2013).

Preparation of this report included:

- Desktop research and archaeological site database searches;
- Review of previous assessment for the subject site, and within the local area;
- Consultation with the local Aboriginal community;
- Field survey of the subject site;
- Assessment of heritage significance;
- Impact assessment; and
- Preparation of management and mitigation recommendations.

## 1.4 AUTHORSHIP

This report was prepared by ERM Heritage Consultant Victoria Gleeson with Erin Finnegan, ERM Technical Consulting Director, providing a technical review and ERM Partners Karie Bradfield and Rob MacIntosh providing a quality assurance review. A summary of the ERM staff involved in the preparation of this report and their relevant qualifications if provided in *Table 1-1* below.

**TABLE 1-1 AUTHORSHIP**

Name	Title	Role	Relevant Qualifications and years of experience in cultural heritage management
Victoria Gleeson	Heritage Consultant	Author	<ul style="list-style-type: none"> <li>• Bachelor of Archaeology (Anthropology), Macquarie University, 2017</li> <li>• Five years' professional experience</li> </ul>
Erin Finnegan	Technical Consulting Director	Technical Review	<ul style="list-style-type: none"> <li>• Bachelor of Arts (Cultural Anthropology), Macalester, 1998</li> <li>• Post Graduate Diploma – Museum and Heritage Studies, University of Cape Town 2003</li> <li>• Master of Philosophy (Archaeology), University of Cape Town, 2006</li> <li>• 19 years' professional experience</li> </ul>
Karie Bradfield	Partner	Quality Assurance Review	<ul style="list-style-type: none"> <li>• Bachelor of Engineering (Chemical), University of Sydney, Australia, 1998</li> <li>• 24 years' professional experience</li> </ul>

## 1.5 LIMITATIONS

ERM acknowledges that limitations exist within the background research for archaeological reports. No responsibility can be taken by ERM for errors or omissions in primary and secondary source material cited in this report; and may include:

- Aboriginal people involved in previous studies may not have disclosed relevant cultural knowledge and the cultural significance of certain areas due to sensitivities in Aboriginal politics;

- Information from ethnographic sources is often based on limited or localised interaction with Aboriginal people which was recorded through a European lens. It is unlikely that information provided through ethnographic sources accurately reflect the complexity of past Aboriginal occupation, land use and culture; and
- The AHIMS search results presented below are based on previous archaeological work and are therefore limited to specific locations and field conditions (visibility, time constraints, etc.); and therefore, may not necessarily be a true reflection of the archaeological record.

## 1.6 ACKNOWLEDGEMENTS

ERM would like to acknowledge the Aboriginal groups who registered an interest to participate in consultation for the Concept DA and first stage of development and gratefully thank them for the information provided throughout the consultation process and for their participation in the site survey.

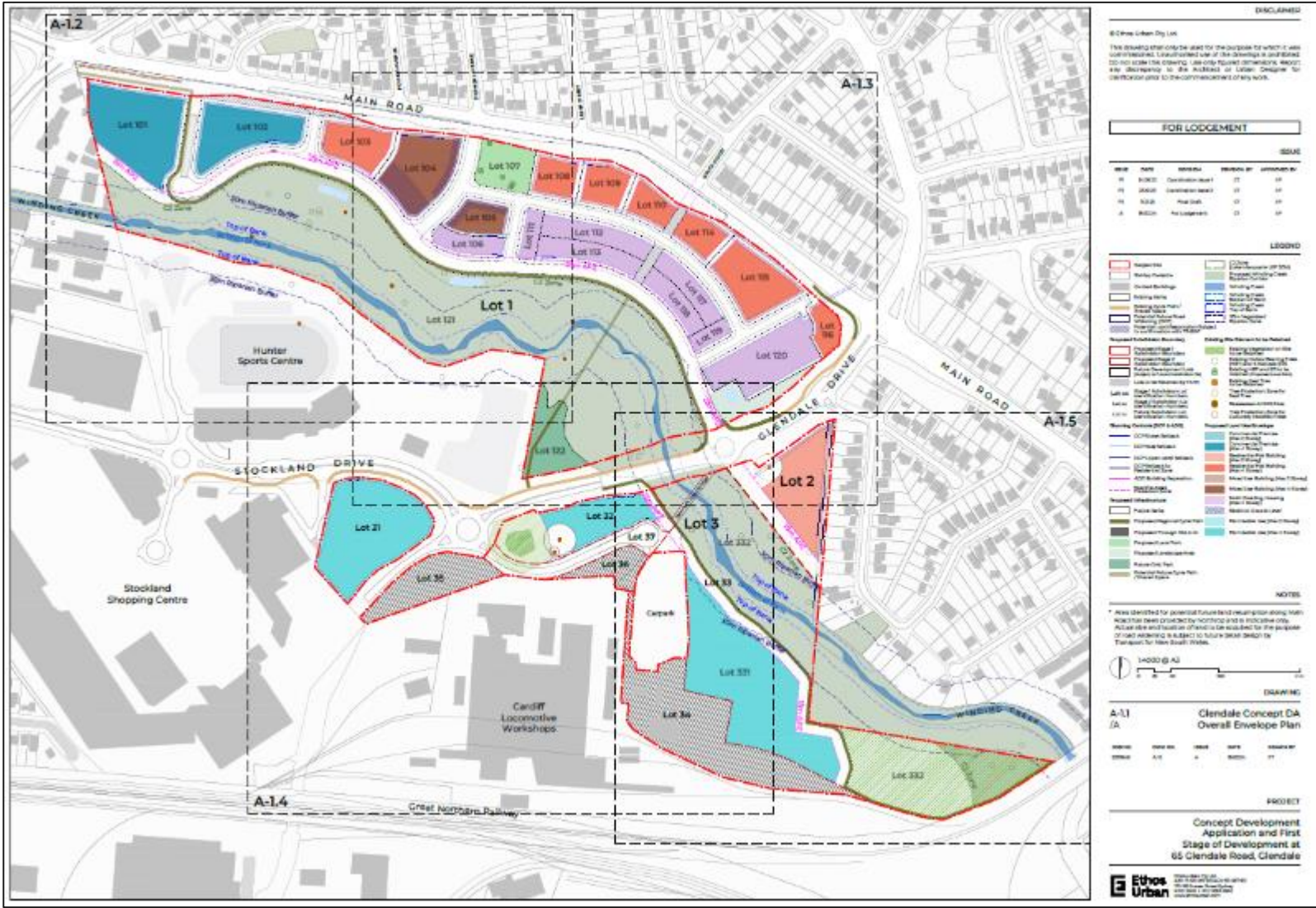


FIGURE 1.1 SUBJECT SITE (ETHOS URBAN 2024: DWG NO. A-1.1 ISSUE B)





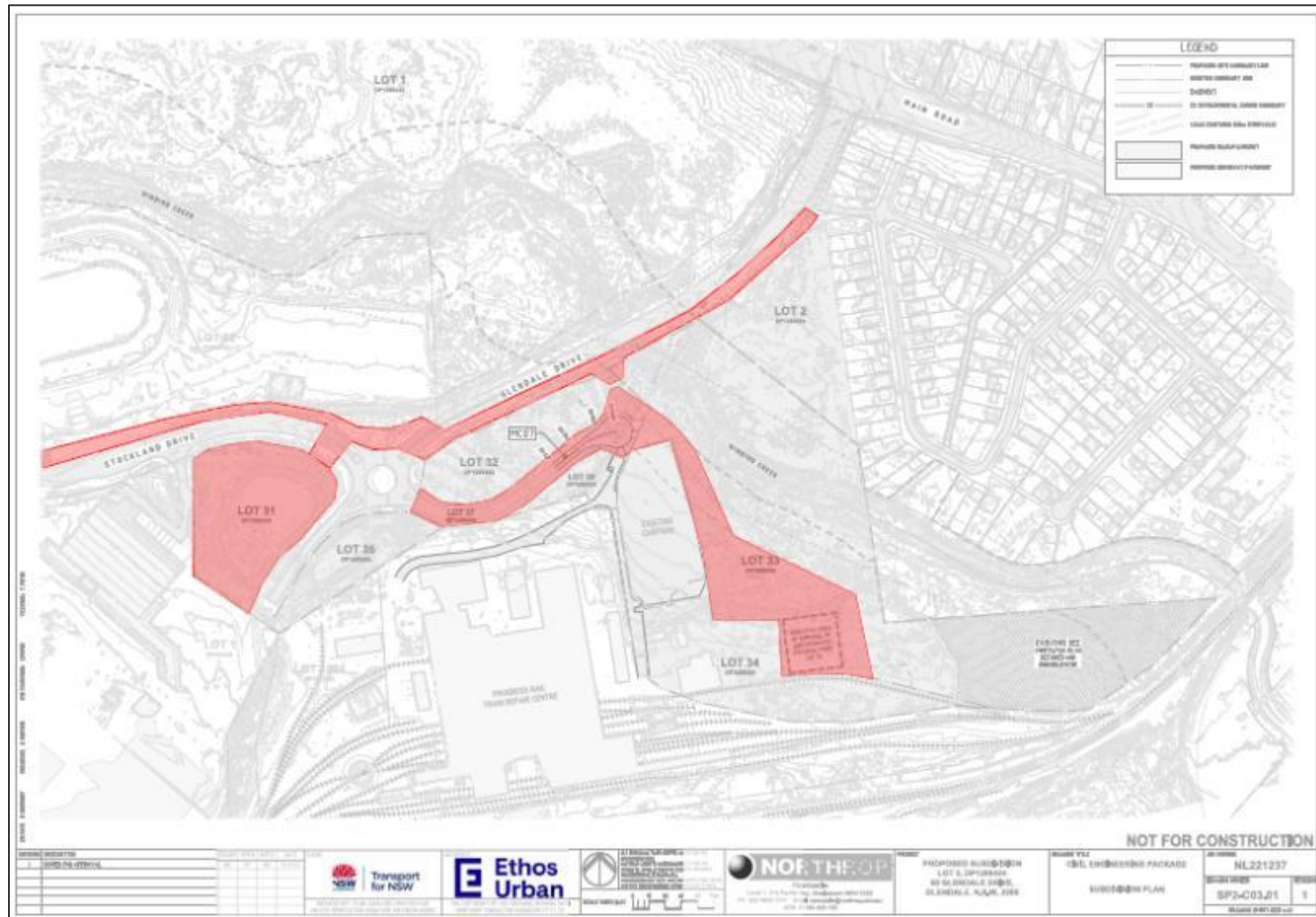


FIGURE 1.2 EXTENT OF PHASE 2 SUBDIVISION WORKS (NORTHROP 2023 DWG NO. SP2-C03.01 REV. 1)

## 2. LEGISLATION AND GUIDELINES

The following section provides an overview of the relevant legislation and guidelines under which this assessment has been prepared.

### 2.1 COMMONWEALTH LEGISLATION

#### 2.1.1 ENVIRONMENTAL PROTECTION AND BIODIVERSITY CONSERVATION ACT 1999

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act; as amended 2021) provides the framework for the Commonwealth Government's environmental legislation. The EPBC Act outlines a legal framework for the protection and management of nationally and internationally important flora, fauna, ecological communities and heritage places. A number of heritage listings were established under the EPBC Act including the Commonwealth Heritage List (CHL), National Heritage List (NHL), and Register of National Estate (RNE) (now repealed). There are no CHL, NHL or RNE listings within 1km of the subject site.

#### 2.1.2 ABORIGINAL AND TORRES STRAIT ISLANDER HERITAGE PROTECTION ACT 1984

The *Aboriginal and Torres Strait Islander Heritage Protection Act 1984* (ATSIHP Act) assists in the protection of places, areas and objects that 'are of particular significance to Aboriginals in accordance with Aboriginal tradition'.

The ATSIHP Act is designed to deal with Aboriginal cultural property (intangible heritage). These values are not currently protected under the National Parks and Wildlife Act 1974 (NPW Act).

The Commonwealth Minister can make declarations to protect these areas and objects from specific threats of injury or desecration. The responsible Minister may make a declaration under Section 10 of the ATSIHP Act in situations where state or territory laws do not provide adequate protection of intangible heritage.

While no formal database of Section 10 applications or declarations is publicly available this information is registered in gazettal notices within the Federal Register of Legislation. A search of this register did not identify any Section 10 applications or declarations relevant to the subject site.

### 2.2 NSW LEGISLATION

#### 2.2.1 NSW ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979

The EP&A Act regulates a system of environmental planning and assessment for New South Wales. Land use planning requires that environmental impacts, including those on cultural heritage, must be considered when making decisions about the future of a place.

### 2.2.1.1 LOCAL ENVIRONMENTAL PLANS

The EP&A Act allows for the preparation of planning instruments to direct development within NSW. This includes Local Environmental Plans (LEPs), which are administered by local government, and principally determine land use and the process for development applications. LEPs usually include a schedule of identified heritage items.

The subject site is within the Lake Macquarie LGA and is therefore subject to the Lake Macquarie LEP 2014. The majority of the Winding Creek corridor traversing the central portion of the subject site is mapped as a Sensitive Aboriginal Landscape Area. The LEP notes that the consent authority may require an 'Aboriginal Heritage Impact Statement' to be prepared before granting consent to carry out development on land identified as a 'sensitive Aboriginal landscape area' (Figure 2.1).

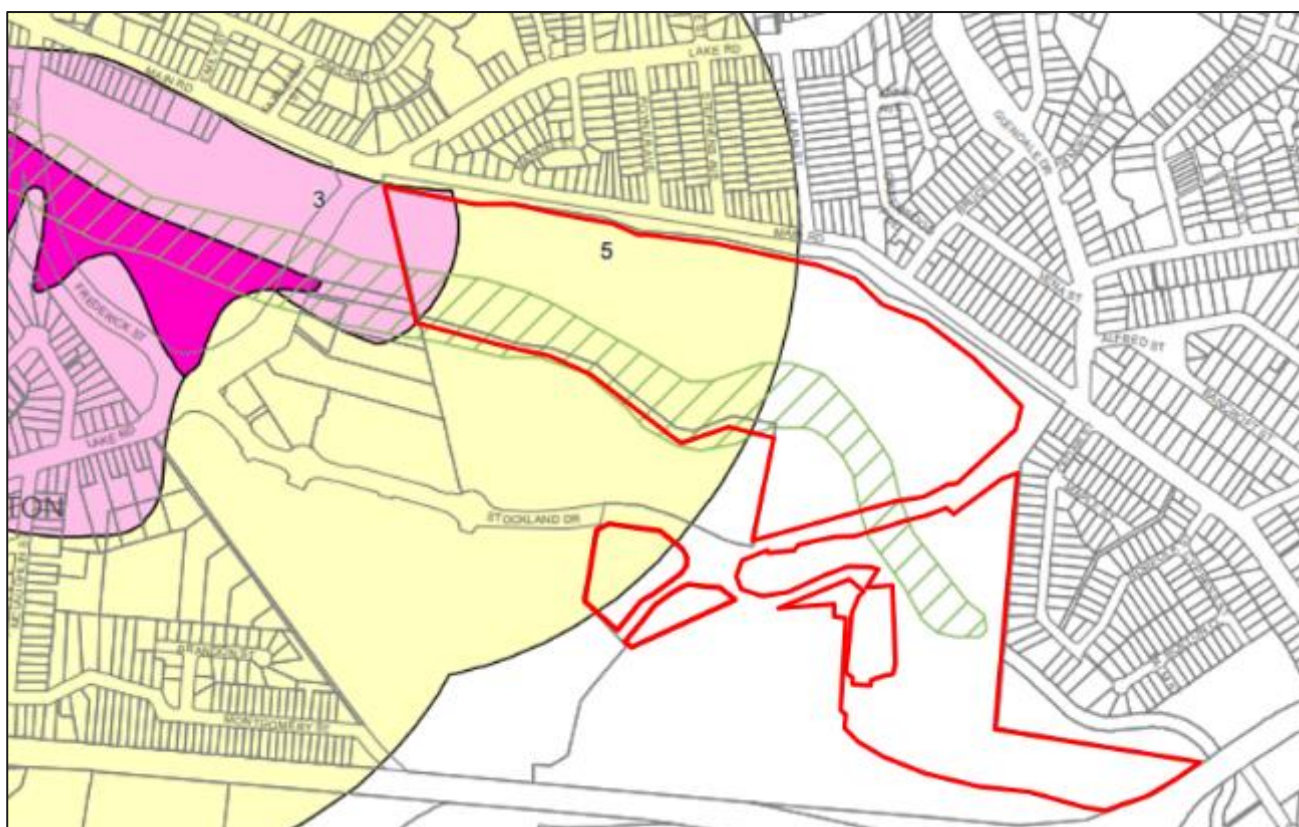


FIGURE 2.1 SENSITIVE ABORIGINAL LANDSCAPE ALONG WINDING CREEK HATCHED IN GREEN AS IDENTIFIED UNDER THE LAKE MACQUARIE LEP 2014 (MAP CL2\_008C); SUBJECT SITE IS BOXED IN RED

### 2.2.2 NSW NATIONAL PARKS AND WILDLIFE ACT 1974

All Aboriginal objects within NSW are protected under Part 6, and particularly Section 90, of the NPW Act.

Under Section 5 of the Act, "Aboriginal Object" means any deposit, object, or material evidence (not being a handicraft made for sale) relating to the Indigenous 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.

Sites of traditional significance that do not necessarily contain archaeological materials may be gazetted as 'Aboriginal places' and are protected under Section 84 of the Act. This protection applies to all sites, regardless of their significance or land tenure. Under Section 90, a person who, without first obtaining the consent of the Secretary, knowingly destroys, defaces or damages, or knowingly causes or permits the destruction or defacement of or damage to, an Aboriginal object or Aboriginal place is guilty of an offence.

It is required that an Aboriginal Heritage Impact Permit (AHIP) be obtained for any impact to an Aboriginal object or place. Heritage NSW is the responsible authority, with the Secretary of that department as the consent authority.

Aboriginal objects and places are recorded on the Aboriginal Heritage Information Management System (AHIMS) database. The results of a search of the AHIMS database for registered Aboriginal objects and places is detailed in *Section 6.3*.

### 2.2.3 HERITAGE ACT 1977 (NSW)

The *Heritage Act 1977* (Heritage Act) protects the cultural and natural history of NSW with emphasis on historic (non-Aboriginal) heritage items, including places, buildings, works, relics, moveable objects, precincts, historic shipwrecks, and archaeological sites of State or local significance. Protection is provided through protection provisions and the establishment of a Heritage Council and State Heritage Register (SHR).

#### State Heritage Register

The SHR was established under Section 22 of the Heritage Act and is a list of places and objects of particular importance to the people of NSW, including archaeological sites. The SHR is maintained by Heritage NSW and includes a diverse range of over 1500 items, in both private and public ownership. To be listed, an item must be deemed to be of heritage significance for the whole of NSW. Listing on the SHR controls activities such as alteration, damage, demolition, and development. When a place is listed on the SHR, the approval of the Heritage Council of NSW is required for any major work.

There are no State Heritage Items with Aboriginal heritage values within 1 km of the subject site.

#### Section 170 Heritage and Conservation Register (S170 Register)

Under Section 170 of the Heritage Act, NSW government agencies are required to maintain a register of the heritage assets it owns or controls. Under S170A of the Heritage Act, government agencies are required to notify the Heritage Council about decisions affecting assets on the s170 register including removing the item from the register, transferring ownership of a listed item, or vacating and/or demolishing part or all of the item.

Government agencies are also required to maintain properties on the S170 and SHR with due diligence in accordance with State Owned Heritage Management Principles approved by the Minister on the advice of the Heritage Council.

There are no s170 items with Aboriginal heritage values within 1 km of the subject site.



#### 2.2.4 NATIVE TITLE ACT 1994

The *Native Title Act 1994* was introduced to work in conjunction with the Commonwealth Native Title Act 1993. The Native Title Act recognises and protects the traditional and continuing rights and interests of Aboriginal and Torres Strait Island people. This may include the right to protect places and areas that are important under traditional law where Native Title has been determined.

The subject site is not located within the boundaries of a native title claim or determination.

#### 2.2.5 ABORIGINAL LAND RIGHT ACT 1983

The Aboriginal Land Rights Act 1983 established Aboriginal Land Councils (at a State and Local Level). In relation to Aboriginal culture and heritage these bodies have a statutory obligation under Section 52 of the Aboriginal Land Rights Act 1983 to:

- a) take action to protect the culture and heritage of Aboriginal persons in the council's area, subject to any other law; and
- b) promote awareness in the community of the culture and heritage of Aboriginal persons in the council's area.

The subject site is within the boundary of Biraban Local Aboriginal Land Council (LALC).



### 3. ASSESSMENT METHODOLOGY

The current report has utilised the following methodology to identify and assess impacts to Aboriginal heritage values.

#### 3.1 DESKTOP INVESTIGATION

Desktop investigation included completion of a comprehensive review of existing background information to gain a contextual understanding of the cultural landscape associated with the subject site. Review of background information included assessment of environmental information (*Section 5*), former historic land use, available ethnographic information, as well as existing registered Aboriginal heritage sites, existing AHIP permits and reports.

#### 3.2 ABORIGINAL COMMUNITY CONSULTATION

Aboriginal community consultation was undertaken in accordance with the consultation requirements as is detailed in *Section 4*.

In accordance with the consultation requirements, consultation with Aboriginal people formed an essential part of the heritage assessment process to:

- Determine potential harm on Aboriginal cultural heritage from proposed activities; and
- Inform management and mitigation measures.

#### 3.3 ABORIGINAL HERITAGE SURVEY

Aboriginal heritage survey was undertaken on 10 and 11 May 2023 by ERM Heritage Consultants Victoria Gleeson and Brent Koppel, and RAP representatives (listed in *Table 4-1*).

A sample survey was undertaken which focused on small areas of ground surface visibility and areas which demonstrated the nature of past ground impacts.

A photographic record was kept, documenting the existing environment and landform context of each survey unit.

##### 3.3.1 PREVIOUSLY RECORDED ABORIGINAL SITES

Where accessible, previously recorded Aboriginal cultural heritage sites within or in proximity to the Concept DA and first stage of development footprint were visited during the site survey to assess current condition and confirm their spatial extent.

##### 3.3.2 NEWLY IDENTIFIED SITES

Newly identified sites were recorded in accordance with the Requirement 6-8 of the Code of Practice and the Guide to Completing the *AHIMS Site Recording Form* (OEH 2012).

Recorded details for each newly identified site included:

- The spatial extent of the site as delineated by either:
  - The spatial extent of the visible objects;
  - Obvious physical boundaries where present; or
  - Identification by the Aboriginal community based on cultural information;

- A photographic record with scale at an appropriate context to record both the site feature and its context;
- Geospatial information of the site recorded using GPS receivers; and
- Sufficient detail to enable registration of the site on AHIMS.

No newly identified areas of Potential Archaeological Deposit (PAD) were recorded during survey.

### 3.3.3 CULTURAL HERITAGE VALUES ASSESSMENT

Aboriginal heritage sites, objects and places hold value for communities in many different ways. The nature of those heritage values is an important consideration when deciding how to manage a heritage site, object or place and balance competing land use options.

Assessment of the Aboriginal cultural heritage significance of the subject site has been completed in accordance with the requirements of the ACHAR Guide (OEH 2011). Assessment has included identification of social, historic, scientific, and aesthetic values which are discussed below:

- Social or cultural value (assessed only by Traditional Owners/First Nations People) refers to the spiritual, traditional, historical, or contemporary associations and attachments the place or area has for Aboriginal people. Social or cultural value is how people express their connection with a place and the meaning that place has for them;
- Historic value (assessed by Traditional Owners/First Nations People and/or non-Aboriginal historical specialists) refers to the associations of a place with a historically important person, event, phase, or activity in an Aboriginal community. Historic places do not always have physical evidence of their historic importance (such as structures, planted vegetation or landscape modifications). They may have 'shared' historic values with other (non-Aboriginal) communities and include places of post-contact Aboriginal history;
- Scientific (archaeological) value (assessed by professional archaeologists) refers to the importance of a landscape, area, place or object because of its rarity, representativeness and the extent to which it may contribute to further understanding and information; and
- Aesthetic value (assessed by Traditional Owners/First Nations People and/or non-Aboriginal specialists) refers to the sensory, scenic, architectural, and creative aspects of the place. It is often closely linked with social values. It may consider form, scale, colour, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use.

Scientific values were graded with a basic ranking of high, moderate, or low. The grading is based on the rarity, representativeness, and research (educational) potential for each value:

- High significance is usually attributed to sites, which are so rare or unique that the loss of the site would affect our ability to understand aspects of past Aboriginal use/occupation for an area;
- Moderate significance can be attributed to sites which provide information on an established research question; and
- Low significance is attributed to sites which cannot contribute new information about past Aboriginal use/occupation of an area. This may be due to disturbance of the nature of the site's contents.

Cultural heritage values for the subject site were identified through a combination of desktop assessment and consultation undertaken during the preparation of the heritage report (see *Section 4*). This information was collected by ERM Heritage Consultant Victoria Gleeson.

### 3.4 IMPACT ASSESSMENT

Following the identification and assessment of Aboriginal cultural values an impact assessment has been completed to identify whether any Aboriginal Objects, Places or cultural values have the potential to be harmed by the Concept DA and first stage of development.

The impact assessment for the proposal was guided by the definition of harm under the *National Parks and Wildlife Act 1974*, which is limited to impact which ‘...destroys, defaces, damages an object or place or in relation to an object – moves the object from land on which is has been situated’ (Section 5 of *National Parks and Wildlife Act 1974*).

## 4. ABORIGINAL COMMUNITY CONSULTATION

This chapter contains details of the Aboriginal community consultation undertaken with regard to the Aboriginal cultural heritage of the subject site. In accordance with the Consultation Requirements, consultation with Aboriginal people forms an essential part of the cultural heritage assessment process to:

- Determine potential harm on Aboriginal cultural heritage from proposed activities; and
- Inform decision making for any application for an AHIP where it is determined that harm cannot be avoided.

The Consultation Requirements set out four stages of the consultation process. Fulfilment of these requirements for this Concept DA and first stage of development is outlined below. All correspondence is recorded in the Aboriginal Heritage Consultation Log, included as *Appendix A*.

### 4.1 STAGE 1: NOTIFICATION OF PROJECT PROPOSAL AND REGISTRATION OF INTEREST

The aim of Stage 1 of the consultation process is to *identify, notify and register Aboriginal people who hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project*.

On behalf of the Proponent, ERM actively sought to fulfil this aim and identify stakeholder groups or people wishing to be consulted about the Concept DA and first stage of development and invite them to register their interest. After determining that there was no approved determination of Native Title over the subject site (per 4.1.1 of the guidelines), ERM reached out to additional resources for information about interested parties.

A letter providing DA details and requesting a list of potentially interested parties (dated 13 February 2023, *Appendix B*) was sent to the following agencies:

- Biraban LALC;
- Hunter Local Land Services;
- National Native Title Tribunal (NNTT);
- Native Title Services Corporation (NTS Corp);
- Heritage NSW;
- Office of the Registrar, Aboriginal Land Rights Act 1983; and
- Lake Macquarie City Council (LMCC).

Responses received from these agencies indicated a total of 42 Aboriginal individuals or organisations may have an interest in the Concept DA and first stage of development (*Appendix C*). An invitation to register letter was sent to each of these identified parties on 2 March 2023 and a period of 14 days was provided for the parties to respond (16 March 2023). An example copy of this letter is provided as *Appendix D*.

In order to identify people with a potential interest in the Concept DA and first stage of development (as per 4.1.2 of the Consultation Requirements), a Public Advert stating the location and nature of the Concept DA and first stage of development, and seeking registration of interested Aboriginal parties was run in the Newcastle Herald on 2 March 2023 (*Appendix E*).

At the end of the 14 days, 16 organisations had registered their interest in being consulted in the Concept DA and first stage of development. A total of two groups requested that their details not be disclosed to the LALC. A full list of the RAPs can be found in *Table 4-1* below, and copies of relevant registrations provided in writing can be found at *Appendix F*.

On the 18 March 2023 a Section 4.1.6 notification letter was sent to the Biraban LALC and Heritage NSW to notify them of the interested registered parties for the Concept DA and first stage of development (*Appendix G*).

**TABLE 4-1 REGISTERED ABORIGINAL PARTIES**

Individual/Organisation
A1 Indigenous Services
Awabakal Descendants Traditional Owners Aboriginal Corporation
Awabakal Traditional Owners Aboriginal Corporation
Biraban Local Aboriginal Land Council
<Removed from Public Display>
Didge Ngunawal Clan
Kawul Pty Ltd trading as Wonn1 Sites
Kevin Duncan
Lower Hunter Aboriginal Incorporated
Muradgi
Murra Bidgee Mullangari Aboriginal Corporation
Norman Archibald
Trudy Smith
Widescope Indigenous Group
<Removed from Public Display>
Yinnar Cultural Services

## 4.2 STAGE 2: PRESENTATION OF INFORMATION ABOUT THE PROPOSED PROJECT

The aim of Stage 2 of the consultation process was to *provide registered Aboriginal parties with information about the scope of the proposed project and the proposed cultural heritage assessment process*.

The proposed survey and assessment methodology was sent to each of the RAPs (dated 31 March 2023) (*Appendix H*), with comments requested by 28 April 2023.

Interest in participating in the survey program was received from several RAPs. All responses are recorded in the consultation log at *Appendix A*.



### 4.3 STAGE 3: GATHERING INFORMATION ABOUT CULTURAL SIGNIFICANCE

Stage 3 of the consultation process involved discussion of cultural values and intangible elements of significance. Feedback on the cultural heritage significance of the subject site was requested as part of the survey and assessment methodology. No feedback on cultural values was provided during review of the methodology.

Cultural values were also discussed during the heritage survey on 10 and 11 May 2023. A total of two RAPs (with two representatives from each) were invited to participate in the site survey each day.

### 4.4 STAGE 4: REVIEW OF DRAFT CULTURAL HERITAGE ASSESSMENT REPORT

The draft ACHAR was provided to RAPs on 8 September 2023, via email. Each of the RAPs were provided 28 days to provide comments on the report and any recommended management and mitigation measures, prior to finalisation. None of the RAPs objected to the recommendations provided in this report during the consultation process.

## 5. ENVIRONMENTAL BACKGROUND

### 5.1 ENVIRONMENTAL CONTEXT

Interactions between people and their surroundings are of integral importance in both the initial formation and the subsequent preservation of the archaeological record. The nature and availability of resources, including water, flora, fauna, and stone materials had (and continues to have) a significant influence over the way in which people utilise the landscape.

Alterations to the natural environment also impact upon the preservation and integrity of cultural materials within that environment. Current vegetation and erosional regimes also affect the visibility and detectability of archaeological evidence.

The nature and distribution of Aboriginal and non-Aboriginal cultural materials in a landscape are strongly influenced by environmental factors such as topography, geology, landforms, climate, hydrology and the associated soils and vegetation (Hughes and Sullivan 1984). These factors influence the availability of plants, animals, water, raw materials, and therefore the location of suitable habitation places. As site locations may differ between landforms due to differing environmental constraints that result in the physical manifestation of different spatial distributions and forms of archaeological evidence, these environmental factors are used in constructing predictive models for site locations.

Environmental factors also effect the degree to which cultural materials have survived in the face of both natural and human influences and affect the likelihood of sites being detected during ground surface survey. Site detection is dependent on a number of environmental factors including surface visibility (which is determined by the nature and extent of ground cover including grass and leaf litter), and the survival of the original land surface and associated cultural materials. It is also dependant on the exposure of the original landscape and associated cultural materials (by water, sheet and gully erosion, ploughing, vehicle tracks etc.) (Hughes and Sullivan 1984). Combined, these processes and activities are used to determine the likelihood of both surface and subsurface cultural materials being deposited, surviving, and being detected during archaeological surveys.

### 5.2 TOPOGRAPHY

The topographical context is important to identify potential factors relating to land use patterns. For Aboriginal people topographical features can also be associated with spiritual and cultural values which would have also had a significant influence over their day to day lives with different places being associated with specific land uses and life events. Topography also often influenced early placements of colonial settlements and infrastructure generally being located in areas which would be easily built upon. Often landscapes with lower gradients were preferred for construction.

The subject site is located within the Sydney Basin Bioregion (IBRA 5.1). The bioregion extends from just north of Batemans Bay to Nelson Bay on the central coast, and almost as far west as Mudgee. The bioregion is bordered to the north by the North Coast and Brigalow Belt South bioregions, to the south by the South East Corner Bioregion and to the west by the South Eastern Highlands and South Western Slopes bioregions. The Sydney Basin Bioregion lies on the east coast and covers a large part of the catchments of the Hawkesbury-Nepean, Hunter and Shoalhaven river systems.

It consists of a geological basin filled with near horizontal sandstones and shales of Permian to Triassic age that overlie older basement rocks of the Lachlan Fold Belt. The sedimentary rocks have been subject to uplift with gentle folding and minor faulting during the formation of the Great Dividing Range.

Erosion by coastal streams has created a landscape of deep cliffed gorges and remnant plateaus across which an east-west rainfall gradient and differences in soil control the vegetation of eucalypt forests, woodlands and heaths. The Sydney Basin Bioregion includes coastal landscapes of cliffs, beaches and estuaries (NSW NPWS 2003).

The subject site is located within the Hunter subregion of the Sydney Basin bioregion. The Hunter subregion extends across approximately 17,045 square km and is associated with several key landscape features including the Hunter River, Macquarie-Tuggerah Lakes and the ridgelines associated with the Hunter Range, Liverpool Range and Great Dividing Range. General landscape characteristics of the subregion are summarised in *Table 5-1*.

**TABLE 5-1 CHARACTERISTICS OF THE HUNTER SUBREGION (NSW NPWS, 2003: 191)**

Sub-region	Landforms
Hunter	Rolling hills, wide valleys, with a meandering river system on a wide flood plain. River terraces are evident, the highest with silicified gravels. Streams can be brackish or saline at low flow. Numerous small swamps in upper catchment, extensive estuarine swamps behind the coastal barrier of beach and dunes.

The underlying nature of the subject site is further reflected by its classification within the Mitchell NSW Ecosystem Study. The subject site is encompassed within two Mitchell Landscapes; the northern area is within the Gosford-Cooranbong Coastal Slopes (Gcs) and the southern area is within the Sydney-Newcastle Coastal Alluvial Plains (Sna). A summary of the landscape characteristics of the subject site is provided in *Table 5-2* and *Figure 5.1*.

**TABLE 5-2 MITCHELL LANDSCAPES OF THE SUBJECT SITE**

Mitchell Landscape	Description
Gosford-Cooranbong Coastal Slopes (Gcs)	The Gcs is located across the coastal fall of the Sydney Basin. The landscape is comprised of rolling hills and sandstone plateaus of Triassic Narrabeen sandstone. Extensive rock outcrops and low cliffs are identified along ridge margins. Elevation across this landscape generally ranges from 0 m – 75 m above sea level (asl).
Sydney-Newcastle Coastal Alluvial Plains (Sna)	The Sna is comprised of undulating plains and low rises located on quaternary sand, on Permian Triassic sandstone, or on shale deposits within swampy valley floors. Elevation within this landscape is generally between 0 m - 80 m asl. with local relief of up to 20 m. Soils are generally comprised of siliceous uniform sands, with patches of podsol or texture contrast soils on bedrock.

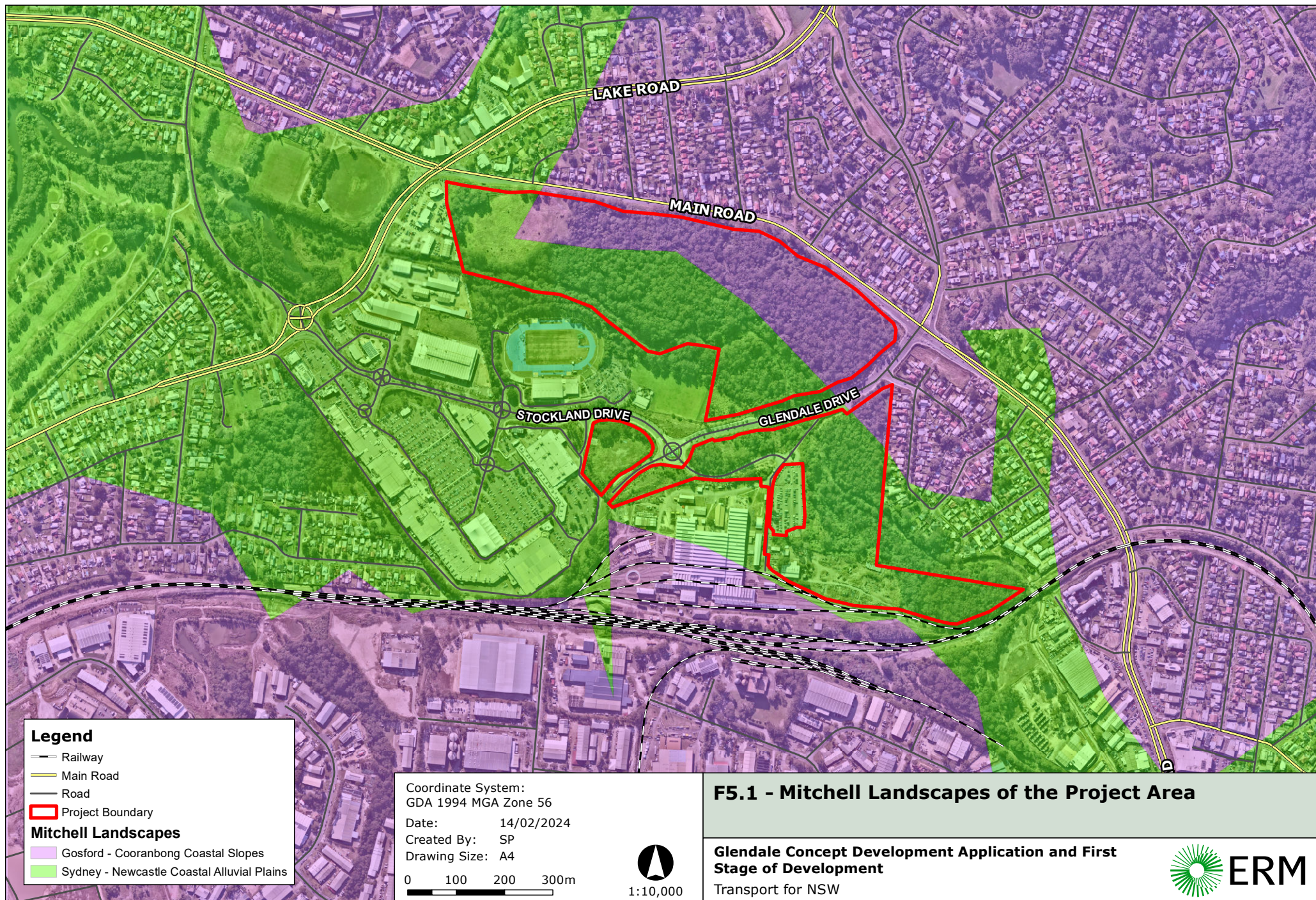
The subject site includes a variety of landforms including gullies/ drainage lines, as well as low lying alluvial flats and gentle slopes. The subject site is surrounded by two substantial ridgeline features which are located to the north and south of the subject site respectively.

### 5.3 GEOLOGY

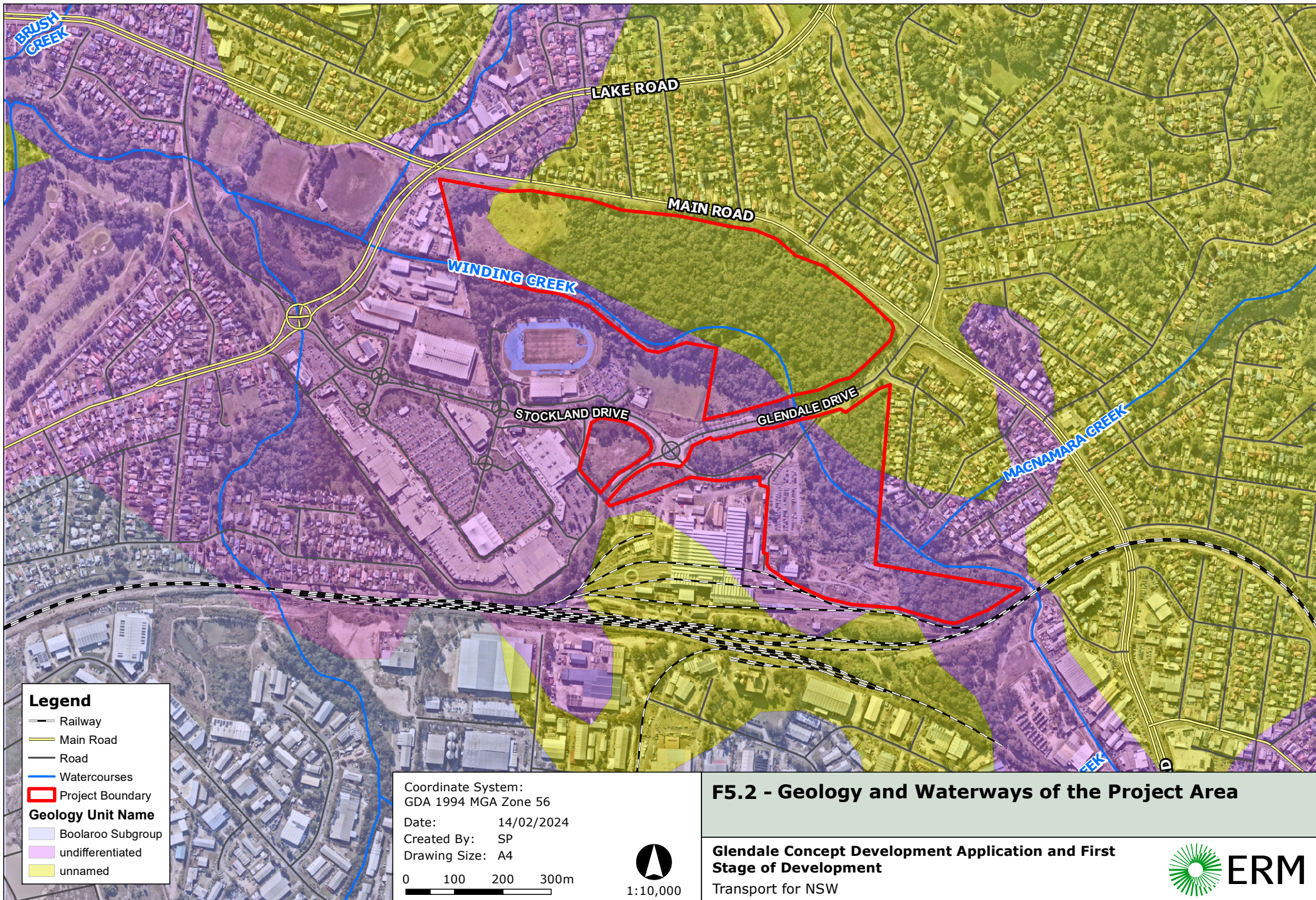
The geology of a region is not only reflected in the environment (landforms, topography, geomorphology, vegetation, climate etc.), it also influences past occupation and its manifestation in the archaeological record. The nature of the surrounding and local geology, along with the availability and distribution of stone materials, has a number of implications for Aboriginal land use and archaeological implications. The implications for past Aboriginal land use mainly relate to location of stone resources or raw materials, and their procurement for manufacturing and modification for stone tools. Evidence of stone extraction, and manufacture, can be predicted to be concentrated in the areas of stone availability. However, stone can be transported for manufacture and/or trading across the region.

Geologically, the Hunter Subregion is underlain by a number of coalfields which are comprised of three coal measure sequences: the Greta Coal Measures, the Whittingham Coal Measures, and the Newcastle Coal Measures (*Figure 5.2*). The northern portion of the subject site is underlain by the Adamstown Subgroup of the Newcastle Coal Measures. The Adamstown Subgroup is associated with a geology which includes conglomerate, sandstone, shale, siltstone, claystone, tuff, and coal. Tuffs form part of the Newcastle Coal measures and have been previously reported as a significant raw material source for Aboriginal stone tool making. While survey of the study area has identified small areas of outcropping siltstone, no high-quality stone sources or evidence of quarrying have been identified. The southern portion of the subject site is reported to be underlain by Quaternary Alluvium which is associated with an underlying lithology of gravel, sand, silt, and clay.











## 5.4 SOILS

The nature of the surrounding soil landscape also has implications for land use and site preservation, mainly relating to supporting vegetation and the preservation of organic materials and burials. The deposit of alluvial and aeolian sediments and colluvium movement of fine sediments (including artefacts) results in the movement and burying of archaeological materials. The increased movement in soils by this erosion is likely to impact upon cultural materials through the post-depositional movement of materials, specifically small portable materials such as stone tools or midden remains, contained within the soil profiles.

The subject site comprises two soil landscape units: the Cockle Creek and Warners Bay soil landscapes. The northern area associated with Winding Creek is comprised of the Cockle Creek soil landscape. The landscape is characterised by narrow flood plains, alluvial fan and delta deposits in the Awaba Hills. Four dominant soil materials have been identified in the Cockle Creek soil landscape; cc1, cc2, cc3, and cc4. Within this soil landscape the A1 horizon consists of a Brownish black sandy loam (cc1) with an A2 horizon of a hard setting bleached sandy clay loam (cc2). The B2 horizon consists of a dull yellowish brown pedal clay (cc3), with B2 D horizon (cc4) being an earthy mottled sandy clay which generally overlies areas of localised alluvium. Floodplains and drainage plains within this soil landscape are prone to moderate sheet erosion especially where vegetation has been cleared. Other degradation may include stock trampling and vehicle tracks, stream bank erosion and exposed batters that are susceptible to slumping and tunnel erosion. Vegetation across this landscape is composed of cleared woodlands in lower areas, un-cleared open forest in upper areas and paperbark occurs as understorey on poorly drained floodplain deposits (eSpade, 2022a).

The southern area comprises the Warners Bay soil landscape, characterised by undulating to rolling low hills and rises of the Newcastle Coal Measures in the Awaba Hills. Moderate sheet erosion may occur where areas have been cleared of vegetation. Gully and rill erosion is common on exposed subsoils, batters, and drainage lines. Three dominant soil materials have been identified in the Warners Bay soil landscape; wa1, wa2 and wa3. The A1 horizon comprises friable brownish black loam (wa1), with the A2 horizon composed of a hard-setting bleached clay loam (wa2). The subsoil B horizon comprises mottled yellowish grey clay (wa3). Soil depth is varied across the landscape with shallower soils (<100cm) on crests and ridges and deeper soils (>150cm) on lower slopes. Generally, the wa1 soil type is approximately 20 cm deep, wa2 is approximately 10-40 cm deep and wa3 is approximately 60-150 cm deep. The vegetation across this landscape comprises mostly cleared tall open forest (eSpade, 2022b).

Both soil landscapes across the subject site have the potential to support the development of archaeological deposits associated with the friable nature of the A horizon deposits. The deposits may, however, have been subject to significant displacement associated with sheet wash and erosion.

## 5.5 CLIMATE

Climatic conditions have also played a part in past Aboriginal and historic occupation of the area (NSW NPWS 2003). More generally the climate of the Sydney Bioregion is dominated by a temperate climate characterised by warm summers with no dry season. A sub-humid climate occurs across significant areas in the northeast of the bioregion. A small area in the west of the bioregion around the Blue Mountains falls in a montane climate zone. Snow can occasionally occur in this area of higher elevation. Rainfall can occur throughout the year but varies across the bioregion in relation to altitude and distance from the coast, with wetter areas being closer to the coast or in higher altitudes. Temperature varies across the bioregion, with areas of higher temperature occurring along the coast and in the Hunter valley and areas of lower temperature on the higher plateaux and western edge.

The bioregion has an annual mean temperature range of 10–17 °C. Newcastle, at latitude 32.9283°S and longitude 151.7817°E, is classified as warm and temperate, with an annual mean maximum temperature of 18.6°C (ClimateData.org). The highest mean maximum temperature is during January, with average of 23.3°C, while the lowest mean minimum temperature is during July, 13.4°C. Precipitation averages approximately 40 inches per annum; mean local rainfall ranges from 57 mm in September to higher falls of 118 mm in June.

## 5.6 WATERWAYS

When assessing the relationship between sites and water sources it must be noted that the Australian continent has undergone significant environmental changes during the past 65,000 years that people have lived here and that Pleistocene sites (older than 10,000 years) would have been located in relation to Pleistocene water sources that may not exist today.

One of the major environmental factors influencing human behaviour is water, as it is essential for survival and people will therefore not travel far from reliable water sources. In those situations, where people did travel far from reliable water, this indicates a different behaviour such as travelling to obtain rare or prized resources and/or trade. Proximity to water not only influences the number of sites likely to be found but also artefact densities.

The Hunter subregion, encompassing the subject site, is largely defined by the river basins of the Hunter River and the Macquarie-Tuggerah Lakes, which are in part defined by the ridge lines associated with the Hunter Range, Liverpool Range and Great Dividing Range. The subject site is located to the north of Lake Macquarie, the largest tidal lake in Australia. Prior to 10,000 years ago, Lake Macquarie existing only as a broad, shallow embayment. However, following the increase in sea levels in the early-mid Holocene, a marine sand barrier had been created at the Lake entrance by approximately 6,000 years ago, causing the formation of Lake Macquarie as a barrier estuary.

The subject site is bisected by Winding Creek which is a third order tributary of the larger (fifth order) Brush Creek. Through its connection to Brush Creek, Winding Creek provides direct access to Cockle Creek and Lake Macquarie. While it is likely that the more reliable water associated with these adjacent waterbodies would have been more heavily frequented by Aboriginal people, the direct connection of Winding Creek to this landscape suggests that this area would have still been an attractive locale for camping and as a source of fresh water.

Winding Creek is reported to have had clear pools with a bedrock channel, supporting a wide range of flora and fauna (Dean-Jones, 1989). As a result of high levels of disturbance within the locality, particularly upstream of the study area, the habitat quality within the creek has been significantly reduced.

## 5.7 FLORA AND FAUNA

The availability of flora and associated water sources affect fauna resources, all of which are primary factors influencing patterns of past Aboriginal land use and occupation. The assessment of flora has two factors, first being a guide to the range of plant resources used for food and medicine and to manufacture objects including nets, string bags, shields and canoes which would have been available to Aboriginal people in the past. The second is what it may imply about current and past land uses and to affect survey conditions such as visibility, access and disturbances.

The subject site is dominated by dense vegetation to the north of Winding Creek. Vegetation is largely comprised of alluvial Tall Moist Forest with some Coastal Plains Scribbly Gum Woodland, and some areas of Coastal Foothills Spotted Gum Ironbark Forest, Coastal Plains Smooth-barked Apple Woodland and Coastal Sheltered Apple-Peppermint Forest.

## 5.8 HISTORIC LAND USE AND DISTURBANCES

The area surrounding Lake Macquarie was the subject of settlement activity during the early 1830s, with timber getting and coal mining being the major industries. To the south of the subject site, the NSW heritage listed Cardiff Railway Workshops were constructed from c.1926 and were originally operated as a maintenance and repair facility by the NSW State Government railway authority. The last steam boiler to be overhauled at the Workshops occurred in 1970 and was closed for Government service in the late twentieth century. The Workshops have now been re-commissioned and modified by the EDI Rail Division of Downer EDI Limited.

The Workshop site and surrounding lands (encompassing the subject site) remained heavily vegetated and had not been impacted by development prior to the construction of the Workshops in 1926. Aerial photographs of the subject site indicate that by the mid twentieth century, large trees were removed and tracks were established throughout the northern area. Additionally, the establishment of sporting facilities would have resulted in the destruction of scarred or carved trees and may have also caused the disturbance of subsurface deposits (*Figure 5.3* and *Figure 5.4*).

The subject site encompasses sporting facilities including Maneela Oval and a raised former cricket pitch; the level of disturbance in these areas is high. Maneela Oval (within the north-western portion of the study area) was also associated with the former Cardiff Railway Workshops. In 1978 Cardiff Australian Rules football club began using Maneela Oval as its home ground, by arrangement with Lake Macquarie Council (who leased the site from State Rail) and included change rooms and other structures that are now demolished. The grounds were also reported to have been utilised by the Sulphide Welfare softball club. The area has not been used for over a decade and is no longer maintained as a sporting ground.

The raised former cricket pitch is present within the southern portion of the subject site (to the south of Stockland Drive). It has been impacted with fill materials (approximately 2.5 m deep) containing rail sleepers, construction and demolition waste (SMEC, 2013). This area is also associated with former buildings and structures including a cricket pavilion, canteen, toilet block, nets and ladies change shed.

Geotechnical investigations indicate that there were extensive disturbances within the subject site in the late twentieth and early twenty-first centuries. By 1997, a sludge pond was established in the area to the north of the Cardiff Workshops (depth of approximately 3 m), and the eastern area of the Workshops was filled (depth of approximately 2.5 m) (*Figure 5.5*) (Woodward-Clyde, 1997: 89; SMEC, 2013: 16). In 2006 Coffey Geosciences excavated two boreholes, in the north-east and south-west of the subject site. These boreholes indicated that, in these areas, soil is a silty clay fill down to 0.4 - 1 m, overlying clay. This further indicates past disturbance across portions of the subject site. While alluvial soil may potentially occur along Winding Creek, it is suggested that away from this area, significant stratified archaeological deposits are less likely to occur (RPS, 2014).

The population expansion in the Newcastle area has resulted in increasing development in the Lake Macquarie area, including residential development, and the construction of roads and associated infrastructure. The subject site is adjacent to the Stockland Glendale shopping centre (opened in 1996), the Hunter Sports Centre and a network of main roads, which indicates disturbance throughout the study area and on its peripheries (*Figure 5.6*). In 2017, as part of Stage 1 of the Lake Macquarie Transport Interchange (LMTI) project, Glendale Drive and Stockland Drive were extended and realigned (*Figure 5.7*) (Lake Macquarie City Council, 2022). The extension of Glendale Drive over Winding Creek involved vegetation clearance and disturbance to this area. The area encompassing the former cricket pitch was substantially filled (depth of approximately 3 – 4 m) (SMEC, 2013: 39).

The remaining portions of the subject site are heavily vegetated and appear to remain relatively undisturbed; there is a chance that subsurface deposits may remain intact and any mature trees that have not been cleared still have the potential to bear cultural scars.

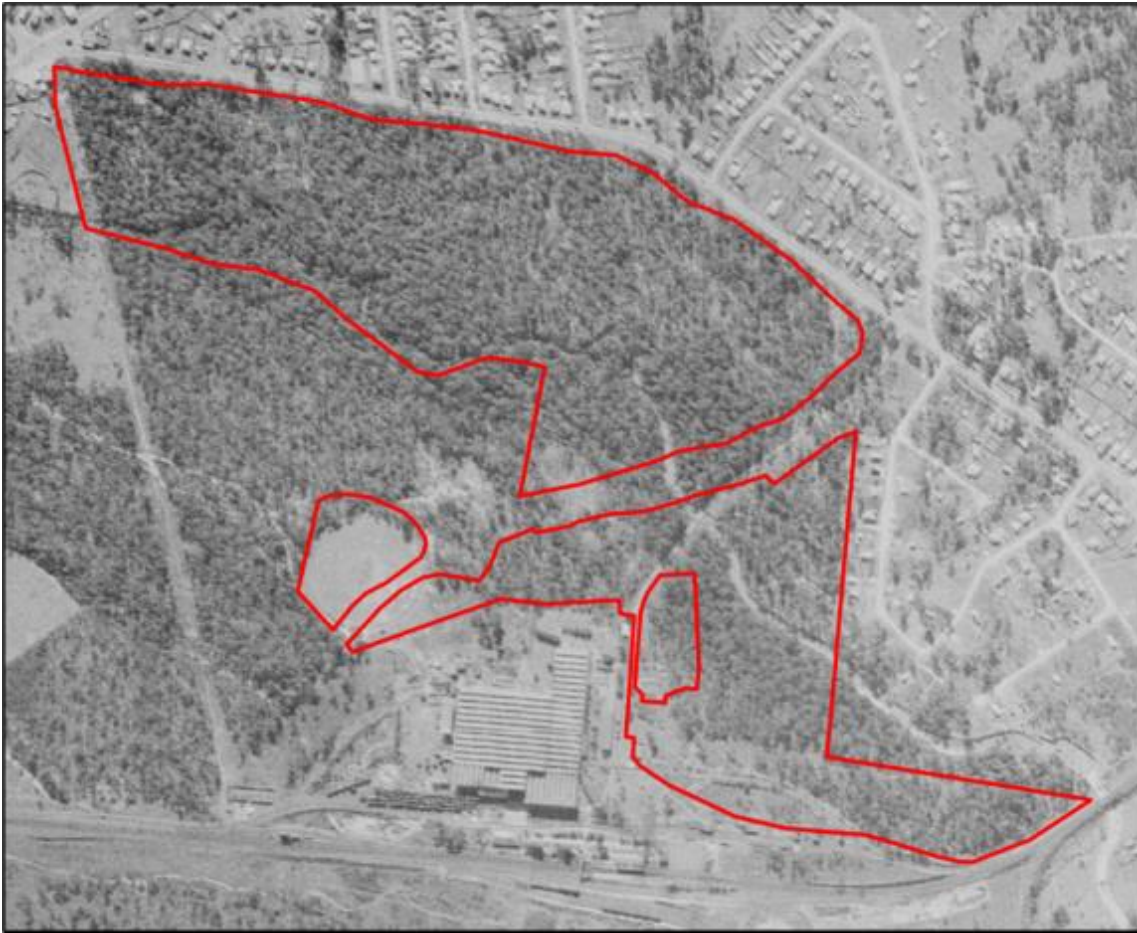


FIGURE 5.3 1954 AERIAL SHOWING THE SUBJECT SITE AS LARGELY UNDEVELOPED (NSW HISTORICAL IMAGERY VIEWER)





FIGURE 5.4 1984 AERIAL OF THE SUBJECT SITE (NSW HISTORICAL IMAGERY VIEWER)

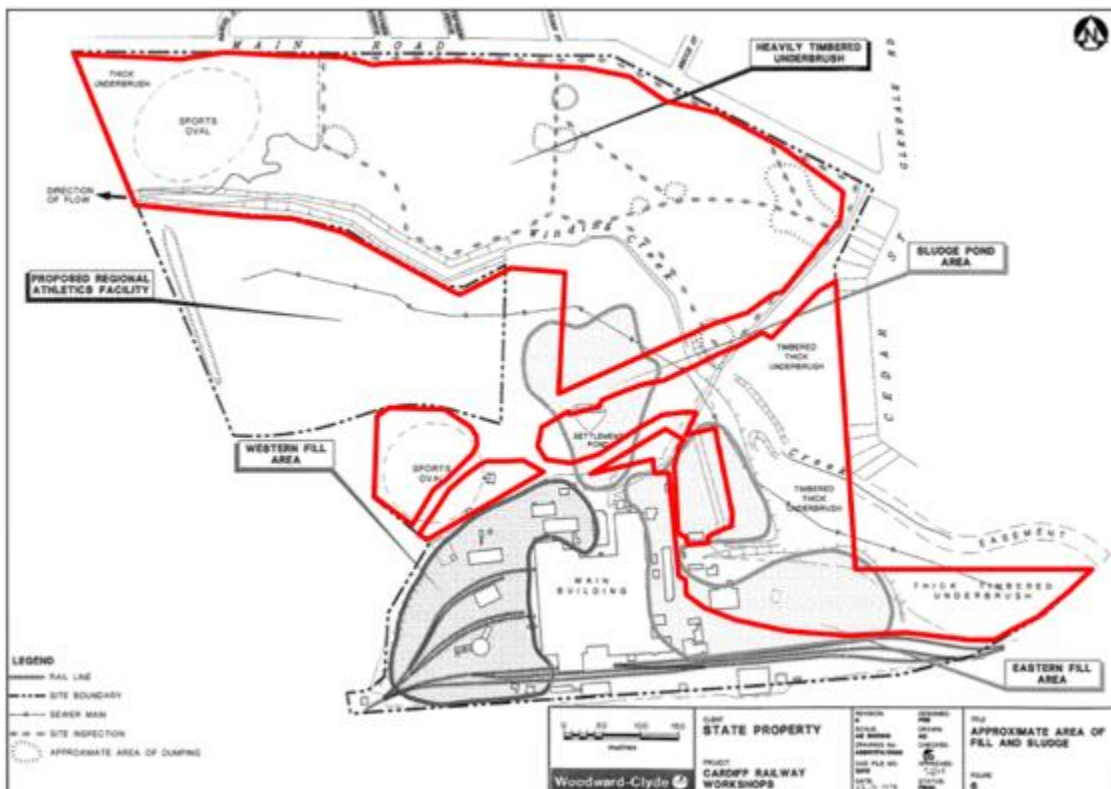


FIGURE 5.5 PLAN OF THE SUBJECT SITE SHOWING FILL AND SLUDGE POND AREAS (WOODWARD-CLYDE, 1997: 89)



FIGURE 5.6 2001 AERIAL OF THE SUBJECT SITE, SHOWING STOCKLAND GLENDALE AND HUNTER SPORTS CENTRE TO THE WEST (NSW HISTORICAL IMAGERY VIEWER)



FIGURE 5.7 CURRENT AERIAL OF THE SUBJECT SITE, SHOWING THE EXTENSION AND REALIGNMENT OF GLENDALE AND STOCKLAND DRIVES (GOOGLE EARTH)



## 6. ABORIGINAL ARCHAEOLOGICAL BACKGROUND

### 6.1 REGIONAL ARCHAEOLOGICAL BACKGROUND

Prior to colonial settlement, the Lake Macquarie area was inhabited by the Awabakal people. The Awabakal were bound to the north by the Worimi, to the west by the Wonnarua, to the south-west by the Darkinjung and to the south by the Guringai people (Threlkeld, 1892; Umwelt, 2011). The Awabakal were people of the coast, estuaries, lakes, and wetlands; however, they also had an attachment to the rugged sandstone country through the Watagan and Sugarloaf Ranges (Umwelt, 2011).

Ethnographic literature and the abundance of food resources in the Lake Macquarie area indicate that the region was attractive to the Aboriginal groups living in the area. Some ethnographic reports suggest that the Awabakal people may have been the largest clan of several groups in the coastal part of the lower Hunter region. Related clans were the Pambalong, Ash Island and Cooranbong groups. Awabakal was the largest group in the area and was concentrated on Lake Macquarie (Umwelt, 2011).

Lake Macquarie provided an abundance of fish (including shellfish and lobster) to the Awabakal People. Trees and their products were also used for a variety of purposes including making canoes, tools, and shelters from bark and wood. The Awabakal People used canoes to utilise the wider area of the lake (Threlkeld in Gunson, 1974; AMBS, 2005). The canoes on Lake Macquarie have been described as being made of a single piece of eucalyptus bark, propelled with short paddles (Umwelt, 2002).

The landscape encompassing the subject site has been associated with dreaming stories of the Awabakal People. The landscape was referred to as 'Purramai-bahn-ba' meaning 'the platypus place' with Winding Creek reported to have a connection to the cultural story of the platypus. The Awabakal People referred to the platypus as 'purramaibahn' meaning 'eater of cockles' (Maynard, Gilbert & Fielding, 2021).

As early as 1837, there was a dramatic decline in the local Aboriginal population, partly due to disease and disruption of traditional Aboriginal society by ill treatment and partly by the migration of remaining Aboriginal people to camps around the more established settlements (in this case, Newcastle). The conditions in which people lived in these camps was poor (Umwelt, 2011). After 1920, there are few references to Awabakal descendants living in the local area.

It is now understood that some descendants of Awabakal people continued to live in or have interests in the Lake Macquarie area throughout the twentieth century and right up to the present time. In the early 1930s, some Aboriginal people began to return to the region, working on the construction of the railway (Turner, 1995). A large group of Aboriginal people later lived in the 'Platt Estate' at Waratah. It is not documented the extent of how many of these people were descendants of the Awabakal or other Aboriginal (First Peoples) groups (Umwelt, 2011).

## 6.2 LOCAL ARCHAEOLOGICAL CONTEXT

A summary of the local archaeological context has been developed utilising the results of publicly available archaeological reporting and registered AHIMS sites within and in the vicinity of the subject site. The results of this review help to provide an indication of the range, nature, and distribution of archaeological sites within the local area.

The intensity of archaeological survey in the area has resulted in the recording of numerous sites being recorded on the AHIMS database. The number of sites previously identified has been assessed as indicative of a highly utilised landscape based on the relatively high number of sites identified when considering the limited visibility available during each previous survey effort. The identification of these sites is consistent with predictive modelling for this location which indicated that this landscape is likely to have utilised by Aboriginal people for a number of land uses.

### 6.2.1 REPORT OF ARCHAEOLOGY SURVEY AT GLENDALE, NSW (DEAN-JONES, 1989)

Dean-Jones (1989) conducted an archaeological constraints assessment, including a field survey, of 90 hectares of land along Winding Creek between Glendale and Cardiff. Dean-Jones' assessment resulted in the identification of nine sites as summarised in *Table 6-1* and shown in *Figure 6.1*. Based on the mapping provided in the Dean-Jones report, five of these sites are located in the current subject site.

TABLE 6-1 SUMMARY OF SITES RECORDED BY DEAN-JONES 1989

Site	Description	Within current subject site
Site 1 (AHIMS # 38-4-0167)	Site is located across a large floodplain adjacent to Winding Creek. The site extends across approximately 100 m x 50 m and has been subject to considerable sheet erosion. Six artefacts were identified across this area.	Yes
Site 2 (AHIMS # 38-4-0169)	Site is located on the margin of a low rise. Artefacts are exposed along the surface of a narrow track. A total of 52 flakes and flaked pieces were recorded over an area of 15 m <sup>2</sup> in this area.  Site was assessed by Dean-Jones to be of particular significance as an artefact assemblage and knapping floor	Yes
Site 3 (AHIMS # 38-4-0170)	Open site comprised of two stone artefacts. Artefacts are comprised of one flaked piece and one flake.	Yes
Site 4 (AHIMS # 38-4-0171)	Thin scatter of flakes distributed along the track of the right bank of Winding creek, approximately 50m downstream of the road bridge leading to the rail workshops. This scatter extends over approximately 30m.	No
Site 5 (AHIMS # 38-4-0168)	A scatter of artefacts located on a low rise adjacent to a small tributary drainage line. A total of 14 artefacts were recorded at this location. Site was located on the surface of two tracks which converged at the drainage line. It was considered likely that further artefacts would be present between the two tracks.	Yes

Site	Description	Within current subject site
Site 6 (AHIMS # 38-4-0172)	Site is comprised of a scarred stringy bark tree. The scar is 167cm high and 53 cm wide. The ground surface surrounding the tree has been disturbed and there was evidence of recent fill. A drain from the rail workshops to an artificial wetland on the left bank of Winding Creek passes within 5m of the tree.  This site was identified as significant due to the rarity of scarred tree sites in the Lake Macquarie area.	Yes
Site 7 (AHIMS # 38-4-0174)	Site comprised an isolated flake of reddish grey mudstone. The artefact has a hinge termination with cortex noted to be present on the exterior surface.	No
Site 8 (AHIMS # 38-4-0173)	Site is located about 50 m from the left bank of Winding Creek on an area of colluvial substrate. The artefacts were noted to be scattered along 10m of track leading down the creek slope.	No
Site 9 (AHIMS # 38-4-0175)	Some evidence of claystone outcropping was noted across the slope	No

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**FIGURE 6.1 LOCATION OF SITES RECORDED BY DEAN-JONES (DEAN-JONES 1989:3)  
CURRENT SUBJECT SITE SHOWN IN RED**

Dean-Jones' assessment noted that there was a high site density across their assessment area. Dean-Jones noted specifically that test excavation would be warranted at Site 2 where artefacts were clearly imbedded within A horizon soils as opposed to on the surface.

Dean-Jones noted that the sites provided good evidence of occupation of local micro-environments. Dean-Jones' recommendations noted that the Winding Creek catchment within the assessment contained a significant and little researched part of the archaeological resource of the Lake Macquarie hinterland.

### 6.2.2 ARCHAEOLOGICAL SURVEY AND ASSESSMENT: CONSTRUCTION OF THE WEST WALLSEND SEWAGE TRANSPORTATION SCHEME (EFFENBERGER, 1997)

Effenberger completed a test excavation of the land to the south of the subject site as part of works to support development of the Glendale Athletics facility. Test excavation included Site 8 (AHIMS # 38-4-0173). The test excavation was undertaken under a Section 87 research permit and included the completion of a number of 1m x 1m mechanical backhoe scrapes.

Excavation identified a low-density artefact scatter composed of nine artefacts across a 10,000 m<sup>2</sup> area. Artefacts identified included a variety of raw materials including chert, mudstone, silcrete and quartzite. Artefacts also included a scraper tool as well as one backed artefact exhibiting retouch and usewear.

Effenberger recommended that sites identified by Dean-Jones to the north of Winding Creek be preserved. Effenberger recommended that the three sites investigated by Effenberger's works (AHIMS # 38-4-0174, AHIMS # 38-4-0173 and 38-4-0175) be subject to a Section 90 consent to destroy.

### 6.2.3 GLENDALE LAND RELEASE ABORIGINAL HERITAGE ASSESSMENT (ERM, 2007)

ERM surveyed approximately 33.5 hectares of the Glendale Release Area (encompassing the northern part of the current subject site) in 2007. The survey identified that the assessment area included a variety of landforms including ridges, flats, and gullies/creeks. No new archaeological sites were recorded within the survey area. Three of the original sites identified by Dean-Jones in 1989 were relocated; these being Winding Creek (Glendale) Sites 1, 2 and 5 (38-4-0167, 38-4-0169, and 38-4-1068) (summarised in *Table 6-2* and shown in *Figure 6.2*). The detection of sites within the assessment area was impeded by the level of vegetation coverage and the lack of exposure; ground surface visibility was generally restricted to areas of erosion along tracks, creek banks and occasional areas of exposure. Despite targeted searches, Winding Creek (Glendale) Sites 3 and 4 (38-4-0170 and 38-4-0171) were not relocated. The sites which were able to be relocated were noted to be in generally poor condition due to ongoing disturbance and erosion, with artefacts resting on exposed B horizon clays.



**TABLE 6-2 SUMMARY OF SITES RE-IDENTIFIED BY ERM 2007**

Site	Description
Winding Creek (Glendale) Site 1 (AHIMS # 38-4-0167)	Winding Creek (Glendale) Site 1 was relocated during the 2007 survey. Survey identified one red mudstone piece, one yellow mudstone piece and two tuff flakes within an exposure. The area was approximately 30 m x 50 m in an area surrounded by regrowth. The site was noted to have been subject to ongoing sheet erosion in some areas.
Winding Creek (Glendale) Site 2 (AHIMS # 38-4-0169)	Winding Creek (Glendale) Site 2 was relocated during the 2007 survey. Survey identified 26 yellow chert, one red chert and one silcrete artefact.  While the artefacts were located approximately 35 m from the location recorded by Dean-Jones (see Figure 6.1), field survey determined that these artefacts were likely associated with the original site as both locations were across a consistent landform.
Winding Creek (Glendale) Site 5 (AHIMS # 38-4-0168)	Winding Creek (Glendale) Site 5 was relocated during the 2007 survey. During survey, one silcrete flaked piece and one silcrete flake was recorded at the corner of the two tracks described by Dean-Jones. The site was assessed to have been subject to on-going erosion and disturbance.

ERM's (2007) assessment also included a significance assessment which incorporated feedback received from consultation undertaken with local Aboriginal community groups including Koombahtoo LALC, Awabakal Descendants Traditional Owners Aboriginal Corporation (ADTOAC) and Awabakal Traditional Owners Aboriginal Corporation (ATOAC).

ADTOAC noted that the entire Assessment Area demonstrated significance as part of a landscape which was utilised by Awabakal people as part of everyday subsistence activities for thousands of years. ADTOAC noted that the area recommended for conservation by ERM be prioritised for conservation given the nature of sites identified adjacent Winding Creek. ADTOAC in particular noted that the archaeological evidence confirms that the area has been used by the Awabakal as an area of food gathering and camping. It was further noted that the area was linked to a dreaming story which could not be recounted in text. Additional feedback was also received from ATOAC reiterated that there were spiritual and cultural stories relating to Winding Creek.

The report concluded that the assessment area, particularly within 100 m of Winding Creek, had moderate research/scientific potential; this was attributed to the density of artefacts and the location of all five formally identified sites being registered within 75 m of the creek. ERM concluded that deposits containing relatively large numbers of artefacts are likely to be present close to Winding Creek, particularly on ridges and flats adjacent to the creek. Any development within 100 m of Winding Creek was considered likely disturb an archaeologically sensitive area with a moderate to high potential for archaeological deposits. ERM recommended that a conservation area surrounding Winding Creek be established to protect this area from future development (*Figure 6.2*).

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## FIGURE 6.2 SITES RELOCATED BY ERM 2007 AND RECOMMENDED CONSERVATION AREA (YELLOW)

#### 6.2.4 LAKE MACQUARIE TRANSPORT INTERCHANGE (RPS, 2014)

RPS was engaged by Lake Macquarie City Council to prepare an Aboriginal Cultural Heritage Assessment Report to support development of the Lake Macquarie Transport Interchange (LMTI). Assessment included areas of land located in between the current subject site.

Assessment identified that large portions of the assessment area had been subject to previous disturbance and modification.

RPS identified one new Aboriginal site within their assessment area which was a scarred tree with a west facing scar. The tree was a mature eucalypt which had been partially burnt. The site was identified approximately 5 m east of a dirt access track which traversed the subject site.

Four previously registered sites were noted to be within or in close proximity to the RPS assessment area. Two of the sites were revisited during the RPS survey. Site AHIMS # 38-4-0172 was relocated approximately 100 m north-west of the plotted location of the coordinates as was registered on AHIMS. The site was confirmed to remain valid. Assessment noted that AHIMS # 38-4-0172 was not located within the impact footprint of the LMTI and would not be subject to impact as part of the proposed works.

The registered site location of AHIMS # 38-4-0174 was surveyed however the artefact was unable to be relocated. Based on the period of time that had occurred since the original recording it was assumed that the artefact had been moved by post-depositional processes. AHIMS #38-4-0171 and AHIMS # 38-4-0175 were unable to be accessed by RPS due to existing fencing and dense vegetation which was considered likely to have limited ground surface visibility.

The RPS assessment noted that the assessment area in general showed evidence of Aboriginal occupation and land use in the immediate area. Assessment supported the identification that more permanent occupation sites were more likely to be situated closer to permanent resources including creek lines. The survey was noted to confirm the archaeological sensitivity of the landforms near Winding Creek.

Of the five sites assessed by RPS, the majority were assessed to demonstrate low archaeological significance (AHIMS # 38-4-0172, AHIMS # 38-4-0174, AHIMS # 38-4-0175 and RPS Glendale ST 1), one site AHIMS # 38-4-0171 was assessed to demonstrate moderate archaeological significance at a local level. Of the identified sites, all except AHIMS # 38-4-0172 would be subject to harm as part of the proposed works.

RPS also provided recommendations in relation to the area of archaeological sensitivity previously identified by ERM (2007) which overlapped with their project area. It was proposed that the area be inspected by RAPs and a qualified heritage consultant after vegetation had been removed and testing of the deposit be undertaken under an approved AHIP.

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### FIGURE 6.3 RESULTS OF SURVEY UNDERTAKEN BY RPS (2014: 46)

### 6.2.5 GLENDALE LAND RELEASE HERITAGE CONSTRAINTS ASSESSMENT (ERM, 2015)

ERM prepared a constraints assessment based on a desktop review of the previous investigations undertaken within the study area (including Dean-Jones, 1989; Effenberger, 1997; and ERM, 2007), and was supplemented by a one-day site inspection. The study area encompassed the northern part of the current subject site. It was stated that the greatest potential for sub-surface artefact scatters is on the ridges and flats adjacent to Winding Creek, and mature trees of an age to bear cultural scars (>100 years) occur within the northern portion of the study area, primarily along the Winding Creek riparian corridor.

As such, the area within 100 m of Winding Creek (encompassing the creek and adjacent ridges and flats) was identified as having high archaeological potential and was heavily constrained, providing limited development opportunities (*Figure 6.4*).

. The slopes and flats greater than 100 m to the north of Winding Creek were largely identified as having moderate heritage constraints. Those areas that had been previously disturbed, including the old cricket pitch and clearings to the east of the Hunter Sports ovals and Manella Park, were identified as having little to no archaeological potential and the greatest opportunity for development.

**Note: Mapping completed as part of this assessment appears to incorporate several inconsistencies in the locations of the registered Aboriginal sites compared with the information provided in the earlier Dean-Jones (1989) and ERM (2007) report.**

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**FIGURE 6.4 HERITAGE CONSTRAINT MAPPING PREPARED BY ERM (2015) - AREA OF HIGH HERITAGE CONSTRAINT SHOWN IN RED, AREA OF MODERATE HERITAGE CONSTRAINT SHOWN IN YELLOW**

### 6.2.6 WALLSEND REZONING ABORIGINAL HERITAGE STUDY (KNC, 2020)

Kelleher Nightingale Consulting (KNC) prepared an Aboriginal heritage study of approximately 592 ha of land across the suburbs of Wallsend, Elmore vale, Glendale, Cameron Park, and Edgeworth (the southern boundary of which is located approximately 400 m to the north of the current subject site). The purpose of the study was to identify Aboriginal heritage opportunities and constraints associated with the proposed re-zoning and eventual development of the area.

A visual inspection was undertaken for the assessment. The majority of the study area was covered by open forest and woodland native vegetation; the visual inspection area comprised undulating country with steep slopes, and deep creek gullies. The visual inspection resulted in the identification of eight previously unrecorded Aboriginal archaeological sites (including artefact scatters, isolated finds, and two modified trees) and five areas of Potential Archaeological Deposit (PAD) within the study area in a variety of landforms. The context of these sites was consistent with predictions for the study area; within the wider region, level, elevated areas in proximity to water courses and elevated ridge landforms are archaeologically sensitive. Previously disturbed areas from coal mining, construction and maintenance activities were considered to have low to no archaeological potential.

It was concluded that a total of 15 Aboriginal sites existed within the study area and the rezoning would enable subsequent development and land use that may potentially impact on objects, archaeological sites, and areas of Aboriginal cultural heritage value. It was concluded that further archaeological assessment was required if impact avoidance was not possible.

### 6.3 AHIMS REGISTER SEARCH

The AHIMS database provides information concerning previously recorded Aboriginal sites in NSW. AHIMS stores data regarding a site's location, site type, site features and a unique site identification number for all registered Aboriginal heritage sites in NSW. Mapping of an AHIMS database search results was undertaken to identify any known sites which could be impacted by proposed works as well as determine the overall pattern of recorded Aboriginal sites in an area.

#### 6.3.1 SEARCH RESULTS

A search of the AHIMS register was undertaken 7 July 2022 to identify registered Aboriginal sites within the subject site and its vicinity. The search was conducted utilising the parameters provided in Table 6-3.

TABLE 6-3 AHIMS DATABASE SEARCH DETAILS

Parameters	Search 1
Client Service ID	698258
Datum	GDA Zone 56
Easting	372040 to 375267 mE
Northing	6353796 to 6356753 mN
Buffer	0 m
Number Sites	18



The extensive AHIMS search identified that there were 18 registered sites within the search area (*Appendix I*). These sites are summarised in Table 6-4. Mapping of the AHIMS extensive search results indicate that there are ten registered sites situated within the vicinity of the subject site, located in open contexts (detailed in Table 6-5). These sites include two scarred trees and eight artefact sites (comprising six open camp sites and two isolated finds).

Review of the registered AHIMS locations identifies several inaccuracies in the site locations when compared with the original Dean-Jones recording. This is considered likely to be associated with the earlier grid map-based recording technique utilised as part of the site cards. The registered site location of each AHIMS site has been shown in *Figure 6.5*. The re-assessed locations of these sites (as determined by ERM based on previous site mapping and survey validation) is illustrated in *Figure 8.1*.

**TABLE 6-4 SUMMARY OF AHIMS RESULTS**

Site Type	Number	% of Total Sites
Artefact	16	89
Modified Tree	2	11
<b>Total</b>	<b>18</b>	<b>100</b>

**TABLE 6-5 SUMMARY OF AHIMS SITES WITHIN AND IN CLOSE PROXIMITY TO SUBJECT SITE**

AHIMS #	Site Type	Previous permits	Within subject site
Winding Creek (Glendale) (AHIMS # 38-4-0167)	Artefact		Yes
Winding Creek Glendale Site 5 (AHIMS # 38-4-0168)	Artefact		Yes
Winding Creek Glendale Site 2 (AHIMS # 34-4-0169)	Artefact		Yes
Winding Creek Glendale Site 3 (AHIMS # 38-4-0170)	Artefact		Yes
Winding Creek Glendale Site 4 (AHIMS # 38-4-0171)	Artefact	AHIP C0000418	No
Winding Creek Glendale Site 6 (AHIMS # 38-4-0172)	Modified Tree		No
Winding Creek Glendale Site 8 (AHIMS # 38-4-0173)	Artefact	AHIP (AHIMS) 924	Yes
Winding Creek Glendale Site 7 (AHIMS # 38-4-0174)	Artefact	AHIP C0000418 AHIP (AHIMS) 924	No
Winding Creek Glendale Site 9 (AHIMS # 38-4-0175)	Artefact	AHIP C0000418 AHIP (AHIMS) 924	No
RPS Glendale ST 1 (AHIMS # 38-4- <sup>1</sup> 1631)	Modified Tree	AHIP C0000418	No

<sup>2</sup> Based on currently registered AHIMS data

## 6.4 AHIP REGISTER

A review of the following public AHIP registers was undertaken during the preparation of this report:

- AHIP public register 2021-2023 (as accessed on 1 May 2023); and
- AHIP public register archive 2010-2021 (as accessed 1 May 2023).

Several AHIPs have been issued for the surrounding area with a total of one AHIP previously covering the subject site. An AHIP permit (C0000418, 3717) was issued for the Lake Macquarie Transport Interchange on 11 August 2014 for four sites, 38-4-0171, 38-4-0174, 38-4-0175 and 38-4-1631 (comprising three artefact sites and one scarred tree). A review of historical aerals suggest that these sites have been destroyed by the works.

**It is noted that these sites are currently listed as valid on the AHIMS database and that a site update would need to be issued to formally register these sites as destroyed.**

A summary of the AHIP covering the subject site is summarised in Table 6-6 below.

**TABLE 6-6 AHIP PERMIT DETAILS AND CONDITIONS**

Details	Summary	Within project boundary:
AHIP C0000418	AHIP holder: Lake Macquarie City Council Permit details: Issued 17/08/2015 Location: Glendale NSW 2285 Sites subject to AHIP: AHIMS #38-4-0171, AHIMS #38-4-0174, AHIMS #38-4-0175 and AHIMS #38-4-163 Summary of approved impacts: Change in location for condition 20, Temporary Storage location for all collected Aboriginal objects, to a more suitable location.	Yes

## 6.5 COLONIAL FRONTIER MASSACRE MAPPING

A review of the Colonial Frontier Massacre Mapping project developed by the Newcastle University has revealed that there are no known massacre sites within the subject site. However, a number of massacres occurred within the broader region, with the closest of these being the Paterson River, Hunter Valley massacre located approximately 25 km north of Glendale.

## 6.6 PREDICTIVE MODEL OF ABORIGINAL LAND USE AND ITS MATERIAL TRACES

Based on the review of background information and comparative studies, the following predictions are made for Aboriginal cultural heritage in the subject site:

- Evidence of Aboriginal Occupation is most likely to be found within close proximity to Winding Creek;
- Visibility across the subject site is likely to be low. Aboriginal sites are most likely to be identified in areas of erosion and exposure;

- Stone artefact sites (scatters and isolated finds) are most likely site type to be located within the subject site. Artefact sites are considered likely to be located on ridges and flat environments in close proximity to Winding Creek;
- A limited number of scarred trees are likely to be present within the subject site;
- As high-quality stone outcropping locations have not been identified in the subject site it is unlikely that stone quarry sites, shelter sites, rock art/engravings and axe grinding grooves would occur; and
- It is unlikely that burials will occur within the subject site because recorded burials in the vicinity of Lake Macquarie indicate that they are more likely to occur in middens in the soft sand of the beach.

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## FIGURE 6.5 AHIMS SITES

## 7. SURVEY METHODOLOGY

### 7.1 AIMS

The aims of the cultural heritage survey were to:

- Cover a representative sample of the subject site that will potentially be impacted by the Concept DA and first stage of development;
- Record all Aboriginal objects, sites, or places identified during survey;
- Identify areas of PAD that may be present; and
- Collect information to ascertain whether further archaeological investigation is required.

### 7.2 TIMING AND PERSONNEL

The cultural heritage survey was undertaken over two days on 10 and 11 May 2023.

Participants in the survey is shown in Table 7-1.

TABLE 7-1 SURVEY ATTENDANCE

Name	Organization	Role	Date
Victoria Gleeson	ERM	Survey supervisor	10/5/23 – 11/5/23
Brent Koppel	ERM	Archaeologist	10/5/23 – 11/5/23
Norman Archibald	Biraban LALC	RAP site officer	10/5/23
Luke Smith	Biraban LALC	RAP site officer	10/5/23
David Ahoy	Lower Hunter Aboriginal Inc	RAP site officer	10/5/23
Erin Pettiford	Lower Hunter Aboriginal Inc	RAP site officer	10/5/23 – 11/5/23
Eva Hayney	Lower Hunter Aboriginal Inc	RAP site officer	11/5/23

### 7.3 METHODOLOGY AND COVERAGE

Archaeological survey of the subject site was undertaken in accordance with the Code of Practice. Due to the general lack of visibility across the site archaeological survey utilised a sample survey approach. Survey also included detailed inspection of areas of exposure across the subject site. Survey of the subject site was undertaken on foot. A handheld non-differential GPS was used to track the path of the survey team, record the coordinates of survey transects as well as the location of Aboriginal sites. A photographic record was kept during the survey. Photographs were taken to record aspects of each survey unit including landform, surface exposures, vegetation, areas of disturbance, and any identified Aboriginal site or area of archaeological potential. Scales were used for photographs where required, as specified in the Code of Practice.

### 7.4 SURVEY COVERAGE

An assessment of survey coverage was completed in order to quantitatively assess the effectiveness of the survey at identifying Aboriginal objects. The assessment of effective survey coverage provides a measure of whether Aboriginal objects are readily visible, buried or otherwise obscured. The conditions which effect the detection of Aboriginal objects are referred to as exposure and visibility.



**Visibility** is the amount of bare ground that is present across a survey area. Visibility is lowered by elements which conceal the ground surface such as leaf litter, vegetation, stony ground or introduced materials.

**Exposure** estimates the percentage of land for which erosional processes and exposure was sufficient to reveal archaeological evidence on the ground.

In accordance with the Code of Practice, a summary of the survey coverage as delineated into survey units and landform units is provided in Table 7-2.

**TABLE 7-2 SURVEY COVERAGE SUMMARY – SURVEY UNITS**

Survey Unit	Survey Unit Area (m <sup>2</sup> )	Landform	Visibility (%)	Exposure (%)	Effective Coverage (m <sup>2</sup> )	Effective Coverage (%)
SU 1	131,500	Stream Bank, Flat, Modified	10	15	1,973	1.5
SU 2	13,950	Modified	15	10	209	1.4
SU 3	222,310	Stream Bank, Flat, Modified	10	20	4,446	1.9

## 7.5 SURVEY UNITS

Each survey unit is described below and illustrated in *Figure 7.1*.

### 7.5.1 SURVEY UNIT 1

Survey Unit 1 (SU 1) encompassed the south-eastern portion of the subject site and was bound by Glendale Drive to the north; Lot 1002 DP1261664, Lot 1003 DP1261664 and Lot 3601 DP1124988 to the south, and Lot 80 DP24882 and various residential lots along Cedar Street to the east. The SU was inspected on foot by two archaeologists and four RAPs.

Winding Creek traversed the north-eastern portion, running north-west to south-east. A sealed concrete bridge over Winding Creek was present in the north-eastern area of the SU (*Photograph 7-1*). The eastern portion of the SU (those areas along Winding Creek) was heavily overgrown with vegetation and had low ground visibility. Vegetation in this area comprised grass, mature trees, regrowth and weeds (lantana) (*Photograph 7-2*). The far eastern area adjacent to the residential lots on Cedar Street had been cleared of trees and was grassed.

The south-western portion of the SU contained the Downer Cardiff Maintenance Centre (former Cardiff Railway Workshops); this area has been modified and contained built elements including sheds, rail sidings, sealed access roads, and laydown areas containing mechanical equipment (*Photograph 7-3* and *Photograph 7-4*). The north-western portion of the SU was also significantly modified; fill has been introduced to considerably build-up the area (*Photograph 7-5*).

The northern portion of the SU comprised a small 'Aboriginal Conservation Area' adjacent to Glendale Drive; this conservation area is named as interpretation signage on the concrete wall adjacent to Glendale Drive roundabout. This area was heavily grassed and contained mature trees and regrowth (*Photograph 7-6*). One previously recorded site (AHIMS # 38-4-0172) was in this area (approximately 89m north-west of its registered location).

The modified tree was inspected as part of the current survey. A new modified tree (Glendale CMT 01) with an elongated scar was also recorded in this area.

**Identified Aboriginal heritage values:**

- Previously registered sites: AHIMS #38-4-0172; and
- New sites: Glendale CMT 01.



PHOTOGRAPH 7-1 VIEW NORTH OF  
CONCRETE BRIDGE OVER WINDING CREEK  
IN NORTH-EAST OF SU (ERM 2023)



PHOTOGRAPH 7-2 DENSE VEGETATION  
ALONG WINDING CREEK IN EASTERN  
AREAS OF SU (ERM 2023)



PHOTOGRAPH 7-3 VIEW SOUTH-EAST OF  
DOWNER CARDIFF MAINTENANCE CENTRE  
SHOWING BUILT ELEMENTS (ERM 2023)



PHOTOGRAPH 7-4 VIEW EAST OF DOWNER  
CARDIFF MAINTENANCE CENTRE SHOWING  
BUILT ELEMENTS (ERM 2023)



PHOTOGRAPH 7-5 VIEW WEST OF  
MODIFIED LANDFORM IN NORTH-  
WESTERN AREA OF SU (ERM 2023)



PHOTOGRAPH 7-6 VIEW WEST OF ROAD TO  
DOWNER SITE, AND CONSERVATION AREA  
IN NORTHERN PORTION OF SU (ERM 2023)



### 7.5.2 SURVEY UNIT 2

Survey Unit 2 (SU 2) encompassed the south-western portion of the subject site and was bound by Stockland and Glendale Drives to the north and east, and Lot 1 DP860494 to the west and south. The SU comprised a significantly modified landform; fill had been introduced to considerably build-up the area (*Photograph 7.7* and *Photograph 7.8*). The northern portion of the SU contained a cluster of trees (*Photograph 7.9*). The only built element located within the SU was a sealed road pull-off area (*Photograph 7.10*).

#### Identified Aboriginal heritage values:

- None



PHOTOGRAPH 7.7 VIEW EAST ACROSS SU 2, SHOWING INTRODUCED FILL (ERM 2023)



PHOTOGRAPH 7.8 VIEW NORTH-WEST ACROSS SU 2 SHOWING INTRODUCED FILL AND LOW GROUND VISIBILITY (ERM 2023)



PHOTOGRAPH 7.9 VIEW EAST OF CLUSTER OF TREES IN NORTHERN PORTION OF SU 2 (ERM 2023)



PHOTOGRAPH 7.10 VIEW WEST OF SEALED ROAD WITHIN SU 2 (ERM 2023)

### 7.5.3 SURVEY UNIT 3

Survey Unit 3 (SU 3) encompassed the northern portion of the subject site, and was bound by Main Road to the north, Lot 23 DP883898 to the south, Glendale Drive to the east and Lot 1 DP1161084 to the west. Winding Creek traverses the southern portion of the SU, running east-west. The SU was largely densely vegetated with grasses, mature trees, regrowth, and weeds (lantana). Areas of waterlogging, drainage lines and swamps were observed throughout the SU (*Photograph 7.11* to *Photograph 7.13*).

The locations of four previously recorded sites (AHIMS #38-4-0167, AHIMS #38-4-0168, AHIMS #38-4-0169 and AHIMS #38-4-0170) were located within the SU in close proximity to Winding Creek (as re-assessed by ERM based on previous site mapping from their original recording and re-survey by ERM in 2007). The re-assessed locations of these sites were inspected during the current survey and were verified. However, due to the low ground visibility and dense vegetation, no artefacts associated with these sites were re-discovered. One new modified tree (Glendale CMT 02) was also recorded in the SU, approximately 13 m south of Winding Creek.

The north-western area contained Maneela Oval, which was vegetated with long grass. Two new modified trees (Glendale CMT 03 and Glendale CMT 04) were recorded amongst a cluster of trees in the north-western corner, in close proximity to the oval (*Photograph 7.14*). The SU was inspected on foot by two archaeologists and two RAPs. The areas within 100 m of Winding Creek were closely inspected by all survey participants due to the presence of previously recorded sites, and the sensitive nature of the landscape.

### Identified Aboriginal heritage values:

- Previously registered sites: AHIMS #38-4-0167, AHIMS #38-4-0169, AHIMS #38-4-0170, AHIMS #38-4-0168; and
- New sites: Glendale CMT 02, Glendale CMT 03, Glendale CMT 04.



PHOTOGRAPH 7.11 VIEW NORTH OF SU 3  
SHOWING DENSE VEGETATION ALONG  
WINDING CREEK (ERM 2023)



PHOTOGRAPH 7.12 DENSE VEGETATION IN  
CLOSE PROXIMITY TO WINDING CREEK  
(ERM 2023)

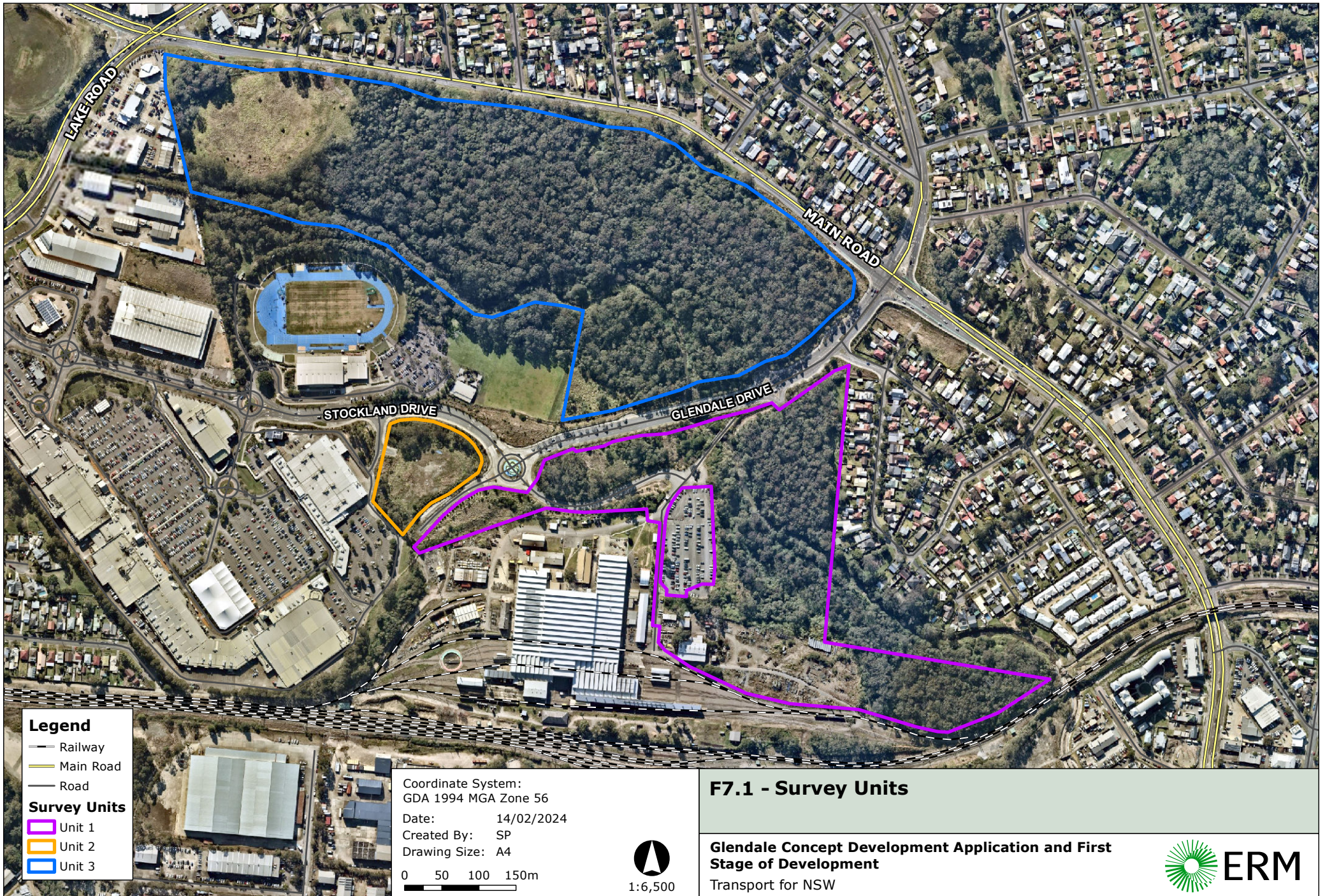


PHOTOGRAPH 7.13  
WATERLOGGED/SWAMPY AREA WITHIN  
CENTRAL PORTION OF SU (ERM 2023)



PHOTOGRAPH 7.14 VIEW WEST ACROSS  
OVAL SHOWING CLUSTER OF TREES IN  
NORTH-WEST CORNER (ERM 2023)









## 8. SURVEY RESULTS AND DISCUSSION




### 8.1 REGISTERED ABORIGINAL HERITAGE SITES




The current assessment has included a review and audit of the registered site location of all valid sites within the subject site. The current status and location of each site has been re-assessed utilising a combination of desktop assessment as well as a ground-truthing process undertaken during the site survey.

According to ERM’s reassessment, five registered Aboriginal heritage sites are located within the subject site (detailed below in *Table 8-1* and *Figure 8.1*).


TABLE 8-1 SUMMARY OF PREVIOUSLY IDENTIFIED SITES

Site name	Description	Photograph (original identification)	Photograph (current inspection)
AHIMS # 38-4-0167 (Winding Creek Glendale Site 1)	<p><b>Site type:</b> Artefact (multiple) <b>Registered Coordinates:</b> &lt;Removed from Public Display&gt; <b>Reassessed Coordinates:</b> &lt;Removed from Public Display&gt; <b>Current Site Assessment:</b> Valid</p> <p>The site was originally recorded across a large clearing adjacent to Winding Creek in 1989. Survey at the time identified six artefacts across the footprint and identified that the site had been subject to considerable erosion. The site was re-identified by ERM in 2007 at which time four artefacts were identified within an exposure measuring approximately 30 m x 50 m. ERM supported the former assessment which noted ongoing sheet erosion across the site extent.</p> <p>The registered site location is approximately 75 m from Winding Creek.</p>	 <p>PHOTOGRAPH 8.1 LOCATION OF SITE 1 (DEAN-JONES 1989:25)</p>	 <p>PHOTOGRAPH 8.3 LOCATION OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0167 (ERM 2023)</p>

Site name	Description	Photograph (original identification)	Photograph (current inspection)
	<p>This location is inconsistent with mapping completed by Dean-Jones (1989) during the original registration and by ERM as part of the 2007 re-survey. The reassessed site location has been determined based on details provided by both reports as well as the site card description.</p> <p>The site was revisited as part of the current survey, and its location as re-assessed by ERM was verified. No artefacts were successfully rediscovered due to low ground visibility.</p>	 <p>PHOTOGRAPH 8.2 RELOCATED ARTEFACTS FROM SITE 1 (ERM 2007:27)</p>	
<p>AHIMS # 38-4-0169</p> <p>(Winding Creek Glendale Site 2)</p>	<p><b>Site type:</b> Artefact (multiple)  <b>Registered Coordinates:</b> &lt;Removed from Public Display&gt;  <b>Reassessed Coordinates:</b> &lt;Removed from Public Display&gt;  <b>Current Site Assessment:</b> Valid</p> <p>Winding Creek Glendale Site 2 was originally recorded by Dean-Jones (1989) as an artefact scatter located on the margin of a low rise. The original survey included the identification of 52 flakes and flaked pieces across a 15 sqm area. The site was relocated during the 2007 ERM survey. Survey identified an additional 26 yellow chert, one chert and one silcrete artefact. These artefacts were located approximately 35 m from the original site recording by Dean-Jones but was assessed to be a continuation of the same site due to the artefacts identification across a consistent landform.</p>	 <p>PHOTOGRAPH 8.4 LOCATION OF SITE 2 (DEAN-JONES 1989:26)</p>	 <p>PHOTOGRAPH 8.6 LOCATION OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0169 (ERM 2023)</p>




Site name	Description	Photograph (original identification)	Photograph (current inspection)
	<p>The registered site location is approximately 150 m from Winding Creek. This location is inconsistent with mapping completed by Dean-Jones (1989) during the original registration and by ERM as part of the 2007 re-survey. It is also inconsistent with the site card description which identifies that the site is located approximately 20 m from Winding Creek. The reassessed site location has been determined based on the extended site extent identified through the results of both Dean-Jones (1989) and ERM's studies.</p> <p>The site was revisited as part of the current survey, and its location as re-assessed by ERM was verified. No artefacts were successfully rediscovered due to low ground visibility.</p>	 <p>PHOTOGRAPH 8.5 RELOCATED ARTEFACTS FROM SITE 2 (ERM 2007:27)</p>	
<p>AHIMS # 38-4-0168</p> <p>(Winding Creek Glendale Site 5)</p>	<p><b>Site type:</b> Artefact (multiple)  <b>Registered Coordinates:</b> &lt;Removed from Public Display&gt;  <b>Reassessed Coordinates:</b> &lt;Removed from Public Display&gt;  <b>Current Site Assessment:</b> Valid</p> <p>Winding Creek (Glendale) Site 5 was originally recorded by Dean-Jones (1989) as a scatter of 14 artefacts located on low rise located adjacent to a small tributary drainage line of Winding Creek. The location of the site was further contextualised as being located at the convergence of two tracks. The assessment noted that it was likely that further artefacts would be present under existing ground cover between the two converging tracks.</p>	 <p>PHOTOGRAPH 8.7 LOCATION OF SITE 5 (DEAN-JONES 1989:21)</p>	 <p>PHOTOGRAPH 8.9 LOCATION OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0168 (ERM 2023)</p>



Site name	Description	Photograph (original identification)	Photograph (current inspection)
	<p>The site was re-surveyed during ERM’s 2007 assessment with two artefacts identified at the track at that time. ERM noted that the site had been subject to on-going erosion and disturbance.</p> <p>The registered site location is approximately 70 m from Winding Creek. This location is inconsistent with mapping completed by Dean-Jones (1989) during the original registration and by ERM as part of the 2007 re-survey. The reassessed site location has been identified based on the previous mapping prepared by both Dean-Jones and ERM (2007) as well as historical aerials which show a converging at the assessed site location.</p> <p>The site was revisited as part of the current survey, and its location as re-assessed by ERM was verified. No artefacts were successfully rediscovered due to low ground visibility.</p>	 <p>PHOTOGRAPH 8.8 RELOCATED SITE 5 (ERM 2007:29)</p>	



Site name	Description	Photograph (original identification)	Photograph (current inspection)
<p>AHIMS # 38-4-0170</p> <p>(Winding Creek Glendale Site 3)</p>	<p><b>Site type:</b> Artefact (multiple)</p> <p><b>Registered Coordinates:</b> &lt;Removed from Public Display&gt;</p> <p><b>Reassessed Coordinates:</b> &lt;Removed from Public Display&gt;</p> <p><b>Current Site Assessment:</b> Valid</p> <p>Winding Creek Glendale Site 3 was originally identified by Dean-Jones in 1989 across a low terrace landform approximately 25m north of Winding Creek. The site included two chert flakes located approximately 100m from Winding Creek Glendale Site 2. The original site recording included limited detail on the site and did not include a photo of the site's context at the time of the survey.</p> <p>The ERM survey in 2007 did not successfully relocate the site, but estimated its location based on the original mapped location provided in the Dean-Jones report.</p> <p>The registered site location of Winding Creek Glendale Site 3 places the site location approximately 160 m north of Winding Creek. This location is inconsistent with the mapping completed by Dean-Jones.</p> <p>The reassessed site location has been estimated based on the original mapping prepared by Dean-Jones.</p> <p>The site was revisited as part of the current survey, and its location as reassessed by ERM was verified. No artefacts were successfully rediscovered due to low ground visibility.</p>	<p>No photo available.</p>	 <p>PHOTOGRAPH 8.10 LOCATION OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0170 (ERM 2023)</p>

Site name	Description	Photograph (original identification)	Photograph (current inspection)
<p>AHIMS # 38-4-0172</p> <p>(Winding Ck Glendale Site 6)</p>	<p><b>Site type:</b> Modified tree (Scarred or Carved)</p> <p><b>Registered Coordinates:</b> &lt;Removed from Public Display&gt;</p> <p><b>Reassessed Coordinates:</b> &lt;Removed from Public Display&gt;</p> <p><b>Current Site Assessment:</b> Valid</p> <p>Winding Creek Glendale Site 6 is a scarred tree which was originally recorded by Dean-Jones in 1989. The stringy bark tree was reported to contain one scar. In 1989 the scar measured 167cm high and 53cm wide. The original assessment noted that the ground surface surrounding the tree had been subject to recent disturbance including recent fill.</p> <p>The site was relocated by RPS who identified that the tree was relocated approximately 100 m north of its registered coordinates.</p> <p>The site was revisited as part of the current survey; the site was found to be approximately 89m north-west of its registered location. The condition of the scar was poor; fire damage was evident. It measured 170 cm in length and 27 cm in width. The circumference of the tree was 530 cm, and the scar was present 27 cm from the ground surface.</p>	 <p>PHOTOGRAPH 8.11 SITE 6 (DEAN-JONES 1989:22)</p>	 <p>PHOTOGRAPH 8.12 LOCATION OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0172 (ERM 2023)</p>  <p>PHOTOGRAPH 8.13 DETAIL OF PREVIOUSLY IDENTIFIED SITE AHIMS # 38-4-0172 (ERM 2023)</p>



## 8.2 NEWLY IDENTIFIED ABORIGINAL SITES

A total of four new sites were discovered during the survey programs in May 2023. All these sites have been recorded with the below details (*Table 8-2*) and registered on AHIMS (*Appendix I*) and *Table 8-3* presents detailed descriptions of the newly identified sites.


**TABLE 8-2 NEWLY IDENTIFIED SITES AND AHIMS DETAILS**

AHIMS Site Name	AHIMS Site Number
Glendale CMT 01	38-4-2265
Glendale CMT 02	38-4-2266
Glendale CMT 03	38-4-2267
Glendale CMT 04	38-4-2268



**TABLE 8-3 NEWLY IDENTIFIED SITES FROM MAY 2023 SURVEY**



Site name	Description	Photographs
Glendale CMT 01	<p><b>Site type:</b> CMT  <b>Registered site location:</b>            &lt;Removed from Public Display&gt;  <b>Site extent:</b> 5 m x 5 m</p> <p>Glendale CMT 01 was located amongst a cluster of trees and was identified by the RAPs. The stringy bark eucalypt contained one North-facing scar. The scar was elongated and measured 120 cm in length, 22 cm in width, with 5 cm regrowth depth. The circumference of the tree was 150 cm. The scar was present 80 cm from the surface of the ground. The condition of the scar was poor; fire damage was evident. The height of the tree was approximately 20 m.</p>	 <p><b>PHOTOGRAPH 8.14 LOCATION OF NEWLY IDENTIFIED SITE GLENDALE CMT 01 (ERM 2023)</b></p>  <p><b>PHOTOGRAPH 8.15 DETAIL OF SCAR ON GLENDALE CMT 01 (ERM 2023)</b></p>



Site name	Description	Photographs
Glendale CMT 02	<p><b>Site type:</b> CMT</p> <p><b>Registered site location:</b> &lt;Removed from Public Display&gt;</p> <p><b>Site extent:</b> 5 m x 5 m</p> <p>Glendale CMT 02 was located amongst a cluster of trees adjacent to Winding Creek. The stringy bark eucalypt contained one North-east facing scar. The scar was elongated and measured 180 cm in length, 30 cm in width, with 5 cm regrowth depth. The circumference of the tree was 400 cm. The scar was present 50 cm from the surface of the ground. The condition of the scar was fair; regrowth over scar was present. The height of the tree was approximately 20 m.</p>	<div><p>PHOTOGRAPH 8.16 LOCATION OF NEWLY IDENTIFIED SITE GLENDALE CMT 02 (ERM 2023)</p></div> <div><p>PHOTOGRAPH 8.17 DETAIL OF SCAR ON GLENDALE CMT 02 (ERM 2023)</p></div>



Site name	Description	Photographs
Glendale CMT 03	<p><b>Site type:</b> CMT</p> <p><b>Registered site location:</b> &lt;Removed from Public Display&gt;</p> <p><b>Site extent:</b> 5 m x 5 m</p> <p>Glendale CMT 03 was located amongst a cluster of trees adjacent to oval and was identified by the RAPs. The stringy bark eucalypt contained one North-west facing scar. The scar was elongated and measured 140 cm in length, 21 cm in width, with 8 cm regrowth depth. The circumference of the tree was 210 cm. The scar was present 142 cm from the surface of the ground. The condition of the scar was good. The height of the tree was approximately 20 m.</p>	<div><p>PHOTOGRAPH 8.18 LOCATION OF NEWLY IDENTIFIED SITE GLENDALE CMT 03 (ERM 2023)</p><p>PHOTOGRAPH 8.19 NEWLY IDENTIFIED SITE GLENDALE CMT 03 (ERM 2023)</p></div>

Site name	Description	Photographs
Glendale CMT 04	<p><b>Site type:</b> CMT</p> <p><b>Registered site location:</b> &lt;Removed from Public Display&gt;</p> <p><b>Site extent:</b> 5 m x 5 m</p> <p>Glendale CMT 04 was located amongst a cluster of trees adjacent to oval and was identified by the RAPs. The river red gum eucalypt contained one North-west facing scar. The scar was linear and partial; the RAPs suggested it may have been abandoned. It measured 95 cm in length, 1 cm in width, with 1 cm regrowth depth. The circumference of the tree was 210 cm. The scar was present 150 cm from the surface of the ground. The condition of the scar was good. The height of the tree was approximately 20 m.</p>	<div></div> <p>PHOTOGRAPH 8.20 LOCATION OF NEWLY IDENTIFIED SITE GLENDALE CMT 04 (ERM 2023)</p> <div></div> <p>PHOTOGRAPH 8.21 DETAIL OF SCAR ON GLENDALE CMT 04 (ERM 2023)</p>

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## FIGURE 8.1 ABORIGINAL HERITAGE SITES WITHIN THE SUBJECT SITE

### 8.3 ABORIGINAL ARCHAEOLOGICAL POTENTIAL

The archaeological potential of an area is determined by its landform, surrounding environment, and level of historical disturbance. Certain landforms are conducive to both Aboriginal occupation and the survivability of subsurface deposits. The location of these landforms in proximity to natural resources (e.g., water, food) increases the likelihood that these landforms would have been utilised by Aboriginal people in the past.

As previously stated, one of the major environmental factors influencing human behaviour is water. Previous assessments have identified that land use associated with the Glendale landscape is likely to have been focused around Winding Creek. ERM (2007) noted that lands within 100 m of the creek were considered to contain High potential for further Aboriginal archaeological deposits and recommended that this landscape be avoided as part of any future redevelopment. The sensitivity of this area is supported by the prevalence of recorded sites within this buffer. However, previous assessments have noted that many of the previously identified sites were subject to ongoing disturbance associated with natural processes including sheet wash.

It is noted that some areas of the subject site in proximity to the creek have otherwise been influenced by extensive levels of previous disturbance associated with previous land uses including the development of the Cardiff Railway Workshops (now Downer Cardiff Maintenance Centre), Maneela Oval and the former cricket pitch. Additionally, substantial fill has been deposited within SU 1 and SU 2 (with depths ranging from approximately 3 – 4 m). The archaeological potential within these areas can be considered Nil to Low.

As such, the archaeological potential of the subject site is varied, with those largely undisturbed areas in close proximity to Winding Creek being of **High to Moderate** potential and those areas that have endured extensive modifications and impacts being of **Nil to Low** potential.

### 8.4 DISCUSSION

The distribution of previously and newly recorded sites is consistent with the predictive model discussed in *Section 6.6*, which has been refined to determine the Aboriginal heritage sensitivity of the subject site.

The subject site has been delineated into areas of nil, low, moderate and high Aboriginal heritage sensitivity (illustrated in *Figure 8.2*).

- Areas of high sensitivity include areas within 100 m of Winding Creek;
- Areas of moderate sensitivity include areas beyond 100 m of Winding Creek;
- Areas of low sensitivity include areas of historic disturbance; and
- Areas of Nil sensitivity include areas where the archaeological resource has been removed.

Four previously recorded sites and one newly recorded site were located within areas of high sensitivity, and one previously recorded site and three newly recorded sites were located within areas of low sensitivity. The sites within the areas of low sensitivity are modified trees; the absence of artefact sites can be attributed to the level of historic disturbances and landform modification within these areas.

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## FIGURE 8.2 ABORIGINAL HERITAGE SENSITIVITY



## 9. SIGNIFICANCE ASSESSMENT

### 9.1 ABORIGINAL CULTURAL HERITAGE SIGNIFICANCE ASSESSMENT FRAMEWORK

Aboriginal heritage sites, objects and places hold value for communities in many different ways. The nature of those heritage values is an important consideration when deciding how to manage a heritage site, object or place and balance competing land use options.

Assessment of the Aboriginal cultural heritage significance of the subject site has been completed in accordance with the requirements of the ACHAR Guide (OEH 2011). Assessment has included identification of social, historic, scientific, and aesthetic values for the subject site and wider region as described in *Section 3.3.3*.

### 9.2 IDENTIFYING CULTURAL VALUES

Cultural heritage values for the subject site were identified through a combination of desktop assessment and consultation with RAPs undertaken during the preparation of the ACHAR. This information was collected by ERM Heritage Consultants Victoria Gleeson and Brent Koppel.

The Burra Charter states:

cultural significance is embodied in the place—in its fabric, setting, use, associations and meanings. It may exist in: objects at the place or associated with it; in other places that have some relationship to the place; and in the activities and traditional and customary practices that may occur at the place or that are dependent on the place.

*Table 9-1* summarises the cultural heritage values identified for the subject site and the surrounding region.

**TABLE 9-1 CULTURAL HERITAGE VALUES IDENTIFIED FOR THE SUBJECT SITE AND SURROUNDS**

Cultural heritage value	Description	Distance from subject site	Source
Aboriginal heritage sites	Of value to the Aboriginal community as a tangible connection between the land today and past Aboriginal occupation and use.	Within	AHIMS; Dean-Jones, 1989; ERM, 2007; ERM, 2022.
Freshwater	Winding Creek traverses the subject site and would have been an attractive locale for camping and as a source of fresh water	Within	Dean-Jones, 1989; ERM, 2007; ERM, 2022.
Food and raw materials	Pre-European contact the local area would offer hunting and gathering opportunities. Aquatic animals would have been abundant within and surrounding Winding Creek.  The presence of CMTs attests to the gathering and use of wood for canoes etc.	Within	AMBS, 2005; Umwelt, 2002.

Cultural heritage value	Description	Distance from subject site	Source
Dreaming landscape – Winding Creek	Landscape is reported to have been associated with dreaming stories of the Awabakal People. The landscape is referred to as 'Purramai-bahn-ba' meaning 'the platypus place'; Winding Creek has been reported to have a connection to the cultural story of the Platypus.	Within and surrounding	Norman Archibald (per comms, 2023); Maynard, Gilbert & Fielding, 2021.

### 9.2.1 SOCIAL OR CULTURAL SIGNIFICANCE

The Consultation Requirements specifies that the social or cultural value of a place must be identified through consultation with Aboriginal people. All Aboriginal sites are considered to have cultural significance to the Aboriginal community as they provide physical evidence of past Aboriginal use and occupation of the area.

Consultation with the RAPs throughout the ACHAR process, including verbal communication during the site survey, has identified that the subject site demonstrates cultural significance as a camping and resource gathering location. The landscape of Winding Creek is also connected to the cultural story of the platypus and is referred to by the Awabakal People as 'Purramai-bahn-ba' meaning 'the platypus place' (Maynard, Gilbert & Fielding, 2021).

The subject site is considered to demonstrate **moderate-high** social and cultural significance as a tangible connection between the current landscape and past Aboriginal occupation of the area. It is also significant as a component of the landscape associated with the Awabakal People's creation story of the platypus.

### 9.2.2 HISTORIC SIGNIFICANCE

Historic values refer to the association of the place with aspects of Aboriginal history. Historic values are not necessarily reflected in physical objects, but may be intangible and relate to memories, stories or experiences.

Despite the substantial record of Aboriginal land use within the Glendale region by Aboriginal People, there is no historic evidence in the ethnographic literature or within the Aboriginal community for specific use or memories within the subject site.

The subject site is considered to demonstrate **low** historic significance.

### 9.2.3 SCIENTIFIC SIGNIFICANCE

Scientific (archaeological) value refers to the importance of the landscape, area, place or object because of its rarity, representativeness, and the extent to which it may contribute to further understanding and information (Australian ICOMOS 2013b).

In assessing significance consideration should be given the following criteria:

- *Research Potential*: is the ability of a site to contribute to our understanding of Aboriginal occupation locally and on a regional scale. The potential for the site to build a chronology, the level of disturbance within a site, and the relationship between the site and other sites in the archaeological landscape are factors which are considered when determining the research potential of a site;

- **Rarity:** This criterion is similar to that of representativeness, it is defined as something rare, unusual, or uncommon. If a site is uncommon or rare it will fulfil the criterion of representativeness. The criterion of rarity may be assessed at a range of levels including local, regional, state, national and global (NSW NPWS 1997: 10);
- **Representativeness:** is defined as the level of how well or how accurately something reflects upon a sample. The objective of this criterion is to determine if the class of site being assessed should be conserved in order to ensure that a representative sample of the archaeological record be retained. The conservation objective which underwrites the 'representativeness' criteria is that such a sample should be conserved (NSW NPWS 1997: 7-9); and
- **Educational Potential:** This criterion relates to the ability of the cultural heritage item or place to inform and/or educate people about one or other aspects of the past. It incorporates notions of intactness, relevance, interpretative value, and accessibility. Where archaeologists or others carrying out cultural heritage assessments are promoting/advocating the educational value of a cultural heritage item or place it is imperative that public input and support for this value is achieved and sought. Without public input and support the educative value of the items/places is likely to not ever be fully realised (NSW NPWS 1997: 10).

A summary of the scientific value of each Aboriginal site within the subject site is summarised in *Table 9-2*. The assessment has been limited to those sites which have been assessed to remain valid and located within the subject site.

Scientific values were graded with a basic ranking of high, moderate, or low. The grading is based on the rarity, representativeness, and research (educational potential) for each value:

- High significance is usually attributed to sites which are so rare or unique that the loss of the site would affect our ability to understand aspects of past Aboriginal use/occupation for an area;
- Moderate significance can be attributed to sites which provide information on an established research question; and
- Low significance is attributed to sites which cannot contribute new information about past Aboriginal use/occupation of an area. This may be due to disturbance of the nature of the site's contents.

**TABLE 9-2 SCIENTIFIC SIGNIFICANCE ASSESSMENT FOR SITES WITHIN THE SUBJECT SITE**

Site	Research Potential	Rarity	Representativeness	Education Potential	Significance Assessment
AHIMS # 38-4-0167 (Winding Creek Glendale Site 1)	Low	Low	Low	Low	Low
AHIMS # 38-4-0169 (Winding Creek Glendale Site 2)	High	Moderate	High	Moderate	Moderate - High

Site	Research Potential	Rarity	Representativeness	Education Potential	Significance Assessment
AHIMS # 38-4-0168 (Winding Creek Glendale Site 5)	Low	Low	Low	Low	Low
AHIMS # 38-4-0170 (Winding Creek Glendale Site 3)	Low	Low	Low	Low	Low
AHIMS # 38-4-0172 (Winding Creek Glendale Site 6)	Low	Moderate	Moderate	Moderate	Moderate
AHIMS # 38-4-2265 (Glendale CMT 01)	Low	Low	Moderate	Low	Low
AHIMS # 38-4-2266 (Glendale CMT 02)	Moderate	Low	Moderate	Moderate	Moderate
AHIMS # 38-4-2267 (Glendale CMT 03)	Moderate	Low	Moderate	Moderate	Moderate
AHIMS # 38-4-2268 (Glendale CMT 04)	Low	Low	Moderate	Low	Low

#### 9.2.4 AESTHETIC SIGNIFICANCE

Aesthetic values refer to the sensory, scenic, architectural, and creative aspects of the place. These values may be related to the landscape and are often closely associated with social/cultural values.

The subject site is currently comprised of a combination of largely undisturbed vegetated areas and industrial landscapes. The vegetated areas along Winding Creek largely maintain a connection to the pre-contact landscape through the presence of a variety of native trees and grass species. However, these areas contain significant amounts of regrowth and weeds (lantana) that obstruct view lines to Winding Creek. As such, these areas have been assessed to demonstrate **low to moderate** aesthetic value.

Portions of the industrialised and modified landscape within the subject site (including the Downer Cardiff Maintenance Centre) maintain little connection to the pre-Contact landscape and generally obstruct views and connections between different elements of the landscape. These portions of the subject site demonstrate no aesthetic value.

### 9.2.5 ABORIGINAL HERITAGE STATEMENT OF SIGNIFICANCE

Of the previously identified sites, both AHIMS # 38-4-0169 and AHIMS #38-4-0172 are considered to have higher levels of archaeological or scientific significance when compared to the remaining sites across the subject site. In particular, the high density of objects associated with AHIMS # 38-4-0169 has previously been assessed to be representative of a knapping floor. The presence of this in combination with the scarred trees (AHIMS #38-4-0172, Glendale CMTs 01, 02, 03 & 04) indicates that a variety of activities were undertaken across the landscape and that archaeological record across the subject site is not limited to evidence of opportunistic or resource gathering activities solely.

The subject site is considered to demonstrate **moderate-high** social and cultural significance as a tangible connection between the current landscape and past Aboriginal occupation of the area. It is also significant as a component of the landscape associated with the Awabakal People's creation story of the platypus.



## 10. IMPACT ASSESSMENT

The definition of harm is limited to impacts which ‘...destroys, defaces, damages an object or place or in relation to an object – moves the object from land on which it has been situated.’ (s5 NPW Act).

Section 1.2 provides a summary of the current proposal. A summary of potential impacts to identified Aboriginal heritage values has been developed based on the proposed disturbance footprint of the Concept DA and first stage of development and are summarised in *Table 10-1*.

Sites within the C2 Zone have been assessed as having no posed impact based on the proposed Concept DA and first stage of development. It is noted that sites within this zone would need to be subject to management plans to ensure inadvertent impacts do not occur as part of vegetation management or other conservation activities.

**TABLE 10-1 POTENTIAL IMPACTS TO ABORIGINAL CULTURAL HERITAGE SITES ASSOCIATED WITH PROPOSED CONCEPT DA AND FIRST STAGE OF DEVELOPMENT DESIGN**

Aboriginal Heritage Site	Proposed Subdivision in Concept Development Application	Potential for Impact	Degree of Impact
AHIMS # 38-4-0167 (Winding Creek Glendale Site 1)	Lot 1	None	No loss of value
AHIMS # 38-4-0169 (Winding Creek Glendale Site 2)	Lot 1	None	No loss of value
AHIMS # 38-4-0168 (Winding Creek Glendale Site 5)	Lot 1	None	No loss of value
AHIMS # 38-4-0170 (Winding Creek Glendale Site 3)	Lot 1	None	No loss of value
AHIMS # 38-4-0172 (Winding Creek Glendale Site 6)	Lot 32	None	No loss of value
AHIMS # 38-4-2265 (Glendale CMT 01)	Lot 32	None	No loss of value
AHIMS # 38-4-2266 (Glendale CMT 02)	Lot 1	None	No loss of value
AHIMS # 38-4-2267 (Glendale CMT 03)	Lot 1	Total	Total loss of value
AHIMS # 38-4-2268 (Glendale CMT 04)	Lot 1	Total	Total loss of value

## 10.1 ECOLOGICALLY SUSTAINABLE DEVELOPMENT PRINCIPLES

In accordance with the ACHAR Guide, Ecologically Sustainable Development (ESD) principles have been considered in the preparation of this ACHAR including options to avoid impacts to Aboriginal cultural heritage values.

The ESD as relevant to Aboriginal heritage values are considered below.

### 10.1.1 THE PRECAUTIONARY PRINCIPLE

The precautionary principle states that lack of full scientific certainty about the threat of harm should never be used as a reason for not taking measures to prevent harm from occurring. The current assessment has included detailed heritage investigation incorporating review of former studies, in depth field surveys and the identification of areas of heritage constraint which would require further investigation in order to ensure scientific certainty.

### 10.1.2 THE PRINCIPLE OF INTERGENERATIONAL EQUITY

The principle of inter-generational equity holds that the present generation should make every effort to ensure the health, diversity, and productivity of the environment – which includes cultural heritage – is available for the benefit of future generations.

Heritage values have formed a key assessment criterion in the development of the proposed development footprint.

The completion of the current detailed assessment at the proposed development stage has resulted in the development of a uniform and detailed understanding of the subject site. This will enable an accurate understanding of potential heritage impacts at a site-wide level and allow for appropriate management of the cumulative impacts to heritage associated with the Concept DA and first stage of development ensuring that appropriate management and mitigation strategies can be developed as part of future development stages and ongoing site management.

## 10.2 CUMULATIVE IMPACTS

The ACHAR guide identifies that a consideration of the ESD principles should include an understanding of the cumulative impacts of the proposal in relation other identified sites in the region.

‘Cumulative impacts are a result of incremental, sustained, and combined effects of human action and natural variations over time and can be both positive and negative. They can be caused by the compounding effects of a single project or multiple projects in an area, and by the accumulation of effects from past, current, and future activities as they arise’ (DPIE 2021).

As the Concept DA and first stage of development contains Aboriginal Objects, there are cumulative impacts associated with any land uses which would result in impacts to these elements. It is also acknowledged that continued development across the Glendale region and in the vicinity of the subject site has the potential to result in a cumulative impact to the cultural values identified of the local area.

However, the retention of the riparian corridor along Winding Creek encompassing tangible Aboriginal heritage sites and intangible cultural heritage values associated with the creation story of the platypus, as well as changes to the Concept DA and first stage of development design to avoid Aboriginal heritage sites where possible (namely AHIMS # 38-4-0172 and AHIMS # 38-4-2265, with inclusion of Tree Protection Zones), has resulted in a very minimal contribution to the cumulative impacts across the region. It is recommended that ongoing consultation with and opportunities for oversight of the Concept DA and first stage of development is provided to the RAPs to ensure cultural continuity during the development.

## 11. CONCLUSION AND RECOMMENDATIONS

The heritage investigations and analysis undertaken for this Concept DA and first stage of development demonstrate compliance with relevant State and Local Government policies and guidelines subject to future stage development applications satisfactorily addressing the matters outlined below.

This Concept DA and first stage of development can be supported by ERM if appropriately mitigated through the proposed framework and conditions of development consent reflected within this ACHAR.

### 11.1 SUMMARY

- A total of (extant) five previously registered Aboriginal sites are within the subject site, consisting of Artefacts and a CMT;
- A total of four new Aboriginal sites (CMTs) were identified within the subject site as part of the development of this ACHAR;
- Based on the current Concept DA and first stage of development plan, a total of two of the nine identified sites within the subject site would be subject to total impact; and
- The retention of the C2 Zone along Winding Creek encompassing tangible Aboriginal heritage sites and intangible cultural heritage values, has resulted in a very minimal contribution to the cumulative impacts across the region.

### 11.2 RECOMMENDATIONS

- The proposed Project should limit impacts to identified Aboriginal sites as well as identified associated cultural values as much as possible;
- Avoidance of the two identified sites and areas of high archaeological sensitivity within the proposed development footprint should be prioritised as part of the future detailed DA(s):
  - AHIMS # 38-4-2267, Glendale CMT 03; and
  - AHIMS # 38-4-2268, Glendale CMT 04.
- Should avoidance not be possible, an AHIP will be required to address the total impact to the two identified CMTs within the proposed development footprint (listed above), to accompany the future detailed DA(s) for the respective sites. The AHIP conditions would need to include mechanisms for managing the expected outcome of additional material being found during mitigation activities and should include permission to harm these sites;
- Additionally, consideration should be given to integrating these CMTs into proposed landscaping designs or interpretation signage/devices, following their removal. Any options for landscaping or interpretation design should be finalised in consultation with the registered RAPs, during the AHIP stage of the project (during the future detailed design phase);
- Based on the findings of this assessment, no harm to Artefact sites is proposed. Furthermore, no Potential Archaeological Deposits (PADs) have been identified within the Project Area. As such, there is no requirement for salvage or test excavation for the Concept DA and first stage of development; and



- During the May 2023 site survey, the RAPs requested the opportunity to monitor the initial stage of earthworks. It is recommended that the opportunity to monitor ground disturbing works within areas of moderate and high Aboriginal heritage sensitivity should be provided to the RAP groups as a mechanism to provide cultural oversight of the project and assist with the maintenance of existing connections to the cultural landscape.

### 11.2.1 CULTURAL HERITAGE AWARENESS AND ACKNOWLEDGEMENT

All personnel involved with construction activities within the Project Area should undertake a cultural awareness induction. The cultural awareness induction should include:

- A summary of the cultural heritage values of the Project Area and surrounds;
- Guidance on the identification of potential Aboriginal objects heritage finds; and
- A summary of the Unexpected Finds Procedure.

ERM recommends that mechanisms to acknowledge Aboriginal cultural values and history of the region be incorporated into ongoing operations of the Project Area. Potential mechanisms to achieve this may include:

- The placement of a cultural acknowledgement within a publicly accessible area of the overall Project Area; or
- The incorporation of Aboriginal art and design into future development; and
- The incorporation of native plantings and species into future landscaping.

### 11.2.2 UNEXPECTED FINDS PROCEDURE

If suspected Aboriginal heritage objects are found during works, the following Unexpected Finds Procedure as applied to the entire Project Area, should be followed:

- All activity in the immediate area should cease and the location should be cordoned off with visible flagging. Flagging should be placed at a 10 m radius surrounding the find and an appropriately qualified heritage professional should be consulted;
- Heritage NSW should be immediately contacted;
- The Biraban LALC should be notified;
- An appropriately qualified heritage professional should record the location and attributes of the site and determine the significance of the find; and
- Works will only recommence once the area has been cleared by further assessment and heritage permits (where required).

In the event of the discovery of human skeletal material (or suspected human skeletal material) during project activities in the Project Area the following steps should be followed:

- All activity in the immediate area should cease and the location should be cordoned off with visible flagging. Flagging should be placed at a 10 m radius surrounding the find; and
- The State Police must be contacted along with Heritage NSW.

Any sand/soils removed from the near vicinity of the find must be identified and set aside for assessment by the investigating authorities. No further excavation is to be undertaken until the area has been assessed, cleared, and any relevant permits granted.

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## STATEMENT OF LIMITATIONS

This report is based solely on the scope of work described in *Section 1* (Scope of Work) and performed by Environmental Resources Management Australia Pty Ltd (ERM) as commissioned by Transport for New South Wales (the Client). The Scope of Work was governed by a contract between ERM and the Client (Contract).

No limitation, qualification or caveat set out below is intended to derogate from the rights and obligations of ERM and the Client under the Contract.

The findings of this report are solely based on, and the information provided in this report is strictly limited to that required by the Scope of Work. Except to the extent stated otherwise, in preparing this report ERM has not considered any question, nor provides any information, beyond that required by the Scope of Work.

This report was prepared in December 2023 and is based on conditions encountered and information reviewed at the time of preparation. The report does not, and cannot, take into account changes in law, factual circumstances, applicable regulatory instruments or any other future matter. ERM does not, and will not, provide any on-going advice on the impact of any future matters unless it has agreed with the Client to amend the Scope of Work or has entered into a new engagement to provide a further report.

Unless this report expressly states to the contrary, ERM's Scope of Work was limited strictly to identifying typical environmental conditions associated with the subject site(s) and does not evaluate the condition of any structure on the subject site nor any other issues. Although normal standards of professional practice have been applied, the absence of any identified hazardous or toxic materials or any identified impacted soil or groundwater on the site(s) should not be interpreted as a guarantee that such materials or impacts do not exist.

This report is based on information provided by the Client or third parties (including regulatory agencies). All conclusions and recommendations made in the report are the professional opinions of the ERM personnel involved. Whilst normal checking of data accuracy was undertaken, except to the extent expressly set out in this report, ERM:

- Did not, nor was able to, make further enquiries to assess the reliability of the information or independently verify information provided by; and
- Assumes no responsibility or liability for errors in data obtained from the Client, any third parties or external sources (including regulatory agencies).

Although the data that has been used in compiling this report is generally based on actual circumstances, if the report refers to hypothetical examples those examples may, or may not, represent actual existing circumstances.

Only the environmental conditions and or potential contaminants specifically referred to in this report have been considered. To the extent permitted by law and except as is specifically stated in this report, ERM makes no warranty or representation about:

- The suitability of the site(s) for any purpose or the permissibility of any use;
- The presence, absence or otherwise of any environmental conditions or contaminants at the site(s) or elsewhere; or



- The presence, absence or otherwise of asbestos, asbestos containing materials or any hazardous materials on the site(s); and
- Use of the site for any purpose may require planning and other approvals and, in some cases, environmental regulator and accredited site auditor approvals. ERM offers no opinion as to the likelihood of obtaining any such approvals, or the conditions and obligations which such approvals may impose, which may include the requirement for additional environment works.

The ongoing use of the site or use of the site for a different purpose may require the management of or remediation of site conditions, such as contamination and other conditions, including but not limited to conditions referred to in this report.

This report should be read in full and no excerpts are to be taken as representative of the whole report. No responsibility or liability is accepted by ERM for use of any part of this report in any other context.

Except to the extent that ERM has agreed otherwise with the Client in the Scope of Work or the Contract, this report:

- Has been prepared and is intended only for the exclusive use of the Client;
- Must not to be relied upon or used by any other party;
- Has not been prepared nor is intended for the purpose of advertising, sales, promoting or endorsing any Client interests including raising investment capital, recommending investment decisions, or other publicity purposes;
- Does not purport to recommend or induce a decision to make (or not make) any purchase, disposal, investment, divestment, financial commitment or otherwise in or in relation to the site(s); and
- Does not purport to provide, nor should be construed as, legal advice.



## APPENDIX A      CONSULTATION LOG

**Consultation Log – 0652233 Glendale Precinct**

Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
<b>Agency Letters Out</b>						
13/02/2023	Email	[REDACTED]	Office of the Registrar	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	Native Title Services	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	NTS Corp	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	Biraban Local Aboriginal Land Council	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	Hunter Local Land Services	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	Heritage NSW	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
13/02/2023	Email	[REDACTED]	Lake Macquarie City Council	Victoria Cottle	ERM	Request for potentially interested parties - Glendale Area
<b>Responses to Agency Letters</b>						
14/02/2023	Email	Victoria Cottle	ERM	Louise Cassidy [REDACTED]	Hunter LLS	Stated that Hunter LLS do not have a full list of all of the relevant Aboriginal Traditional Custodians within the project area. Directed to contact the relevant Local Aboriginal Land Council (LALC) for the list of Aboriginal Traditional Custodians that have interest within the project site area. Also, directed to check the National Native Title Tribunal and search for Registered Native Title Claims for the area. Provided contact details of Toby Whaleboat if further detail was required. [REDACTED]
14/02/2023	Email	Louise Cassidy [REDACTED]	Hunter LLS	Victoria Cottle	ERM	Victoria responded, thanking Hunter LLS for the information and stated that ERM has also contacted the Biraban LALC.
14/02/2023	Email	Victoria Cottle	ERM	Ashley Williams [REDACTED]	Biraban LALC	Ashley emailed to register Biraban LALC's interest in the project.
14/02/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria responded thanking Biraban LALC for registering their interest. She will send Project methodology in the future.
14/02/2023	Email	Victoria Cottle	ERM	Native Title Services		Responded with search results stating that Lot 1003/DP1261664 is Freehold and there are no overlapping Native Title Features. Lot 1/DP1286427 was not found on the NNTT's cadastre data in NSW.
14/02/2023	Email	Native Title Services		Victoria Cottle	ERM	Victoria requested that an additional search be performed for the former details of the lot (Lot 1/DP1222625).
15/02/2023	Email	Victoria Cottle	ERM	Patricia Kinney [REDACTED]	LMCC	Patricia stated that Council does not hold a formal register of Aboriginal knowledge holders, and directed ERM to contact Heritage NSW and the Biraban LALC. She stated that as part of their limited procedures for DAs for the location, they would consult with the Biraban LALC, Awabakal Traditional Owners Aboriginal Corporation, Awabakal Descendants Traditional Owners Aboriginal



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
						Corporation, the Lower Hunter Aboriginal Incorporated, and the Awabakal and Guringai Pty.
15/02/2023	Email	Patricia Kinney [REDACTED]	LMCC	Victoria Cottle	ERM	Victoria responded, thanking LMCC for the information and stated that ERM has also contacted Heritage NSW and the Biraban LALC.
15/02/2023	Email	Victoria Cottle	ERM	Native Title Services		Responded with search results stating that Lot 1/DP1222625 was not found on the NNTT's cadastre data in NSW.
21/02/2023	Email	Victoria Cottle	ERM	Barry Gunther [REDACTED]	Heritage NSW	Responded with attached letter and Aboriginal stakeholder list. However, attached Aboriginal stakeholder list was for Port Macquarie Hastings LGA.
21/02/2023	Email	Barry Gunther [REDACTED]	Heritage NSW	Victoria Cottle	ERM	Requested Lake Macquarie LGA Aboriginal stakeholder list.
21/02/2023	Email	Victoria Cottle	ERM	Barry Gunther [REDACTED]	Heritage NSW	Responded with Lake Macquarie LGA Aboriginal stakeholder list.
28/02/2023	Email	Victoria Cottle	ERM	Peter Leven [REDACTED]	Awabakal Descendants Traditional Owners Aboriginal Corporation	Peter sent email registering Awabakal Descendants Traditional Owners Aboriginal Corporation's interest in the project (previous contact had not been made with ADTOAC).
28/02/2023	Email	Peter Leven [REDACTED]	Awabakal Descendants Traditional Owners Aboriginal Corporation	Victoria Cottle	ERM	Victoria responded thanking Awabakal Descendants Traditional Owners Aboriginal Corporation for registering their interest. She will send Project methodology in the future.
<b>Advert</b>						
2/03/2023	Print		Newcastle Herald	ERM Administration (on behalf of Victoria Cottle)	ERM	Advert placed in Newcastle Herald. <i>Invitation to Register an Interest – Glendale Precinct Concept Development Application</i>
<b>Invitation to register</b>						
2/03/2023	Post	Jeffery Matthews	Crimson-Rosie	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.  Letter posted to 6 Eucalypt Avenue, Muswellbrook, NSW 2333
2/03/2023	Post	Richard Edwards	Wonnarua Elders Council	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.  Letter posted to PO Box 844 , Cessnock, NSW 2325
2/03/2023	Email	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Aliera French [REDACTED]	Aliera French Trading	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Darren McKenny [REDACTED]	Arwarbukarl Cultural Resource Association, Miromaa Aboriginal Language and Technology Centre	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
2/03/2023	Email	Tracey Howie & Kerrie Brauer [REDACTED]	Awabakal & Guringai Pty Ltd	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	reception@awabakallalc.com.au	Awabakal Local Aboriginal Land Council	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	bahtabahmick@hotmail.com	Bahtabah Local Aboriginal Land Council	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Marilyn Carroll-Johnson [REDACTED]	[REDACTED]	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Daniella Chedzey [REDACTED]	Daniella Chedzey, Jessica Wegener	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR. Email bounced back.
2/03/2023	Email	[REDACTED]	Darkinjung Local Aboriginal Land Council	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Deslee Matthews [REDACTED]	Deslee Talbott Consultants	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Lillie Carroll ; Paul Boyd [REDACTED]	Didge Ngunawal Clan	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Craig Horne Debbie Dacey-Sullivan [REDACTED]	Gidawaa Walang & Barkuma Neighbourhood Centre Inc.	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	[REDACTED]	Glen Morris	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	David Horton [REDACTED]	Gomery Cultural Consultants	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Tracey Howie [REDACTED]	Guringai Tribal Link Aboriginal Corporation	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Craig Archibald [REDACTED]	Indigenous Learning	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Norm Archibald [REDACTED]	Jumbunna Traffic Management Group Pty Ltd	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Phil Khan [REDACTED]	Kamilaroi Yankuntjatjara Working Group	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Jill Green [REDACTED]	Kauma Pondee Inc.	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Arthur Fletcher [REDACTED]	Kawul Pty Ltd trading as Wonn1 Sites	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
2/03/2023	Email	Kevin Duncan [REDACTED]	Kevin Duncan	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Kyle Howie [REDACTED]	Kyle Howie	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Lea-Anne Ball [REDACTED]	Lower Hunter Wonnarua Cultural Services	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Michael Green [REDACTED]	Michael Green Cultural Heritage Consultant	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR. Email bounced back.
2/03/2023	Email	Darleen Johnson ; Ryan Johnson [REDACTED]	Murra Bidgee Mullangari Aboriginal Corporation	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Warren Schillings [REDACTED]	Myland Cultural & Heritage Group	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Renee Sales [REDACTED]	Renee Sales	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Sharon Hodgetts [REDACTED]	Sharon Hodgetts	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Tamara Towers [REDACTED]	Tamara Towers	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Tim Selwyn [REDACTED]	Tim Selwyn	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Scott Franks [REDACTED]	Tocomwall Pty Ltd	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Trudy Smith [REDACTED]	Trudy Smith	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Des Hickey [REDACTED]	WATTAKA Pty Ltd	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Steven Hickey; Donna Hickey [REDACTED]	Widescope Indigenous Group	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Email	Kathleen Steward Kinchela [REDACTED]	Yinarr Cultural Services	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR. Email bounced back.
2/03/2023	Email	Yvette and Jackson Walker [REDACTED]	Yvette and Jackson Walker	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.
2/03/2023	Post	Daniella Chedzey	Daniella Chedzey, Jessica Wegener	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.  Letter posted to 7 Grant Street WINDERMERE PARK NSW 2264, as previous email sent bounced back.
2/03/2023	Post	Michael Green	Michael Green Cultural Heritage Consultant	Victoria Cottle	ERM	Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
						Letter posted to 115A Lakeview Parade BLACKSMITHS NSW 2281, as previous email sent bounced back.
2/03/2023	Post	Kathleen Steward Kinchela	Yinarr Cultural Services	Victoria Cottle	ERM	<p>Invitation to Register - Glendale Precinct Concept Development Application – ACHAR.</p> <p>Letter posted to Lot 5 Westwood Estate MERRIWA NSW 2329, as previous email sent bounced back.</p>
<b>Registration of Interest from advert or letter</b>						
2/03/2023	Email	Victoria Cottle	ERM	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Paul and Lily emailed to register Didge Ngunawal Clan's interest in the project.
2/03/2023	Email	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Victoria Cottle	ERM	Victoria responded thanking Didge Ngunawal Clan for registering their interest.
2/03/2023	Email	Victoria Cottle	ERM	Jacob Cain [REDACTED]	Darkinjung Local Aboriginal Land Council	Jacob emailed to register Darkinjung LALC's interest in the project.
2/03/2023	Email	Jacob Cain [REDACTED]	Darkinjung Local Aboriginal Land Council	Victoria Cottle	ERM	Victoria responded thanking Darkinjung LALC for registering their interest.
3/03/2023	Email	Victoria Cottle	ERM	Kevin Duncan [REDACTED]		Kevin emailed to register his interest in the project.
3/03/2023	Email	Victoria Cottle	ERM	Arthur Fletcher [REDACTED]	Kawul Pty Ltd trading as Wonn1 Sites	Arthur emailed to register Wonn1 Sites' interest in the project.
3/03/2023	Email	Victoria Cottle	ERM	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Kerrie emailed to register Awabakal Traditional Owners Aboriginal Corporation's interest in the project.
3/03/2023	Email	Victoria Cottle	ERM	Trudy Smith [REDACTED]		Trudy emailed to register her interest in the project.
6/03/2023	Email	Kevin Duncan [REDACTED]		Victoria Cottle	ERM	Victoria responded thanking Kevin for registering his interest.
6/03/2023	Email	Arthur Fletcher ([REDACTED])	Kawul Pty Ltd trading as Wonn1 Sites	Victoria Cottle	ERM	Victoria responded thanking Wonn1 Sites for registering their interest.
6/03/2023	Email	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Victoria Cottle	ERM	Victoria responded thanking Awabakal Traditional Owners Corporation for registering their interest.
6/03/2023	Email	Trudy Smith [REDACTED]		Victoria Cottle	ERM	Victoria responded thanking Trudy for registering her interest.
6/03/2023	Email	Victoria Cottle	ERM	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Carolyn emailed to register A1 Indigenous Service's interest in the project.
7/03/2023	Email	Victoria Cottle	ERM	Jesse Johnson [REDACTED]	Muradgi	Jesse emailed to register Muradgi's interest in the project.
7/03/2023	Email	Victoria Cottle	ERM	Ryan Johnson [REDACTED]	Murra Bidgee Mullangari Aboriginal Corporation	Ryan emailed to register Murra Bidgee Mullangari's interest in the project.
7/03/2023	Email	Victoria Cottle	ERM	Steven Hickey [REDACTED]	Widescope Indigenous Group	Steven emailed to register his interest in the project.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
7/03/2023	Email	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Victoria Cottle	ERM	Victoria responded thanking A1 Indigenous Services for registering their interest.
7/03/2023	Email	Jesse Johnson [REDACTED]	Muradgi	Victoria Cottle	ERM	Victoria responded thanking Muradgi for registering their interest.
7/03/2023	Email	Ryan Johnson [REDACTED]	Murra Bidgee Mullangari Aboriginal Corporation	Victoria Cottle	ERM	Victoria responded thanking Murra Bidgee Mullangari Aboriginal Corporation for registering their interest.
7/03/2023	Email	Steven Hickey [REDACTED]	Widescope Indigenous Group	Victoria Cottle	ERM	Victoria responded thanking Steven for registering their interest.
8/03/2023	Email	Victoria Cottle	ERM	Norman Archibald [REDACTED]		Norman emailed to register his interest in the project.
8/03/2023	Email	Norman Archibald [REDACTED]		Victoria Cottle	ERM	Victoria responded thanking Norman for registering his interest.
9/03/2023	Letter	Victoria Cottle	ERM	Kathleen Steward Kinchela (as return to sender)	Yinarr Cultural Services	Victoria received letter as 'Return to Sender' from Yinarr Cultural Services. (Original letter posted to Lot 5 Westwood Estate, Merriwa NSW 2329).
9/03/2023	Email	Victoria Cottle	ERM	Steven Johnson [REDACTED]	[REDACTED]	Steven emailed to register [REDACTED] interest in the project. Please do not disclose any details to LALC.
9/03/2023	Email	Victoria Cottle	ERM	Marilyn Carroll [REDACTED]	[REDACTED]	Marilyn emailed to register [REDACTED] interest in the project. Please do not disclose any details to LALC.
9/03/2023	Email	Steven Johnson [REDACTED]	Woka Aboriginal Corporation	Victoria Cottle	ERM	Victoria responded thanking [REDACTED] for registering their interest. She noted the request to withhold details from the LALC.
9/03/2023	Email	Marilyn Carroll [REDACTED]	Corroboree Aboriginal Corporation	Victoria Cottle	ERM	Victoria responded thanking [REDACTED] for registering her interest. She noted the request to withhold details from the LALC.
13/03/2023	Email	Victoria Cottle	ERM	Kevin Duncan [REDACTED]		Kevin emailed to register his interest in the project.
13/03/2023	Email	Kevin Duncan [REDACTED]		Victoria Cottle	ERM	Victoria responded and let him know that we have already noted his interest (email dated 3 March).
15/03/2023	Phone	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria called David to follow up on the email inviting Lower Hunter Aboriginal Inc. to register their interest. David registered his interest and requested to be updated on the project.
16/03/2023	Email	Victoria Cottle	ERM	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	David emailed to formally register his interest in the project.
17/03/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria responded thanking David for registering his interest.
21/03/2023	Email	Victoria Cottle	ERM	Kathie Steward Kinchela [REDACTED]	Yinnar Cultural Services	Kathie emailed to register Yinnar Cultural Services' interest in project.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
23/03/2023	Email	Kathie Steward Kinchela [REDACTED]	Yinnar Cultural Services	Victoria Cottle	ERM	Victoria responded thanking Kathie for registering her interest. She clarified that due to response period having ended on 16 March, Yinnar Cultural Services will receive Project Methodology for their records (however, they will not be able to make comment). Victoria stated she would keep them updated throughout the project.
<b>Section 4.1.6 Letter</b>						
18/04/2023	Email	[REDACTED]	Heritage NSW	Victoria Cottle	ERM	Victoria sent letter, identifying 17 RAPs that registered their interest in the project.
18/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria sent letter, identifying 15 RAPs that registered their interest in the project, as well as stating that 2 RAPs requested that their details not be shared at this time.
<b>Issuing Project Methodology</b>						
31/04/2023	Email	Kathleen Steward Kinchela [REDACTED]	Yinnar Cultural Services	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April).  No comments on Methodology provided.
31/04/2023	Email	Marilyn Carroll [REDACTED]	[REDACTED]	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Norman Archibald [REDACTED]		Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Jesse Johnson [REDACTED]	Muradgi	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.
31/04/2023	Email	Darleen Johnson [REDACTED]	Murra Bidgee Mullangari Aboriginal Corporation	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Kevin Duncan [REDACTED]		Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
31/04/2023	Email	Arthur Fletcher [REDACTED]	Kawul Pty Ltd trading as Wonn1 Sites	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.
31/04/2023	Email	Trudy Smith [REDACTED]		Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Jacob Cain [REDACTED]	Darkinjung Local Aboriginal Land Council	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.
31/04/2023	Email	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.
31/04/2023	Email	Peter Leven [REDACTED]	Awabakal Descendants Traditional Owners Aboriginal Corporation	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Steven Johnson [REDACTED]	[REDACTED]	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Steven Hickey [REDACTED]	Widescope Indigenous Group	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.  No comments on Methodology provided.
31/04/2023	Email	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Lorien Perchard	ERM	Lorien issued Project Methodology (response period ending 28 April). Also provided tentative details on upcoming survey (2 days) and asked the organisation to please register their interest to participate.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
<b>Comments on Project Methodology</b>						
5/04/2023	Email	Lorien Perchard	ERM	Jacob Cain [REDACTED]	Darkinjung Local Aboriginal Land Council	Jacob emailed and withdrew Darkinjung LALC's registration as the Project Area is outside their boundaries.
5/04/2023	Email	Jacob Cain [REDACTED]	Darkinjung Local Aboriginal Land Council	Victoria Cottle	ERM	Victoria responded and thanked Jacob for letting ERM know.
9/04/2023	Email	Lorien Perchard; Victoria Cottle	ERM	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Carolyn emailed and stated that she supported the information contained in Project Methodology. She sent through hourly rates, insurances and public liability documents.
20/04/2023	Email	Lorien Perchard Victoria Cottle	ERM	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Lilly emailed requesting the start date for survey.
20/04/2023	Email	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Lorien Perchard	ERM	Lorien responded and said that the start date was not yet determined (likely early-mid May). She said that ERM would confirm LALC's participation and follow up with Lilly next week.
26/04/2023	Email	Lorien Perchard	ERM	Jesse Johnson [REDACTED]	Muradgi	Jesse emailed Lorien and expressed interest in participating in survey. She sent through daily rate, insurances and public liability documents.
27/04/2023	Email	Lorien Perchard Victoria Cottle	ERM	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Lilly followed up from Lorien's previous email, requesting an update on survey organisation.
27/04/2023	Email	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Victoria Cottle	ERM	Victoria responded to Lilly and let her know that the survey was still being organised; however, opportunity to participate was limited. She stated that ERM appreciates their interest in the project and looks forward to any comments she may have on the Draft report.
2/05/2023	Phone	Victoria Cottle	ERM	Arthur Fletcher	Kawul Pty Ltd trading as Wonn1 Sites	Arthur left a voicemail requesting update on project.
3/05/2023	Phone	Arthur Fletcher	Kawul Pty Ltd trading as Wonn1 Sites	Victoria Cottle	ERM	Victoria returned Arthur's call and provided an update on the project.
4/05/2023	Email	Lorien Perchard Victoria Cottle	ERM	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Kerrie responded and agreed with the proposed methodology.
<b>Organising Site Survey</b>						
19/04/2023	Phone	Ashley Williams	Biraban LALC	Victoria Cottle	ERM	Victoria spoke to Ashley about Biraban LALC's availability to participate in upcoming survey over 2 days (2 representatives). She will send follow up email to obtain quote for hourly rate and insurances/public liability documents.
19/04/2023	Phone	David Ahoy	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria spoke to David about Lower Hunter Aboriginal Inc's availability to participate in upcoming survey over 2 days (2 representatives). She will send follow up email to obtain quote for hourly rate and insurances/public liability documents.



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
19/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria sent follow-up email requesting confirmation of 2 representatives to participate in upcoming survey, as well as quote for rates and insurances/public liability documents.
19/04/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria sent follow-up email requesting confirmation of 2 representatives to participate in upcoming survey, as well as quote for rates and insurances/public liability documents.
27/04/2023	Phone	David Ahoy	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria spoke to David and followed up on conversation from last week. She asked that he please confirm 2 representatives' participation in upcoming survey on 10 and 11 May and send through hourly rate and insurances.
27/04/2023	Phone	Ashley Williams	Biraban LALC	Victoria Cottle	ERM	Victoria called Ashley to follow up on conversation from last week. She left a message and will follow up with an email.
27/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria sent follow-up email requesting confirmation of 2 representatives to participate in upcoming survey, as well as quote for rates and insurances/public liability documents.
27/04/2023	Email	Victoria Cottle	ERM	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	David confirmed availability for one representative and one trainee to participate in upcoming survey on 10 and 11 May. He sent through hourly rates and insurances.
27/04/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria responded thanking David for confirming availability and sending through information. She will be in touch in the coming week to confirm survey details.
27/04/2023	Email	Victoria Cottle	ERM	Ashley Williams [REDACTED]	Biraban LALC	Ashley emailed Victoria confirming availability for two representatives to participate in upcoming survey on 10 <sup>th</sup> and 11 <sup>th</sup> May. She sent through daily rates. She also asked meeting location and time.
27/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria responded thanking Ashley for confirming availability and sending through information. She provided meeting location and suggested 8am as time.
28/04/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria emailed Downer Site Access Request Form to be sent induction to complete before attending site.
28/04/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria emailed Downer Site Access Request Form to be sent induction to complete before attending site.
1/05/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria requested contact numbers for two representatives attending site survey (Norman Archibald and Krystal Saunders).
8/05/2023	Phone	Ashley Williams	Biraban LALC	Victoria Cottle	ERM	Victoria called Ashley to confirm details of survey. She left a message and will follow up with an email.
8/05/2023	Phone	David Ahoy	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria spoke with David and confirmed details of survey. She told him she would send email with details in writing.
8/05/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria emailed details of survey (meeting place/time; PPE requirements).
8/05/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria emailed details of survey (meeting place/time; PPE requirements).



Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
<b>Issuing Draft Report</b>						
8/09/2023	Email	Kathleen Steward Kinchela [REDACTED]	Yinnar Cultural Services	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Marilyn Carroll [REDACTED]	[REDACTED]	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Norman Archibald [REDACTED]		Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Jesse Johnson [REDACTED]	Muradgi	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Darleen Johnson [REDACTED]	Murra Bidgee Mullangari Aboriginal Corporation	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Kevin Duncan [REDACTED]		Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Carolyn Hickey [REDACTED]	A1 Indigenous Services	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Arthur Fletcher [REDACTED]	Kawul Pty Ltd trading as Wonn1 Sites	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Trudy Smith [REDACTED]		Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Peter Leven [REDACTED]	Awabakal Descendants Traditional Owners Aboriginal Corporation	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Ashley Williams [REDACTED]	Biraban LALC	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	David Ahoy [REDACTED]	Lower Hunter Aboriginal Incorporated	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Steven Johnson [REDACTED]	[REDACTED]	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Steven Hickey [REDACTED]	Widescope Indigenous Group	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
8/09/2023	Email	Kerrie Brauer [REDACTED]	Awabakal Traditional Owners Aboriginal Corporation	Victoria Cottle	ERM	Victoria issued Draft ACHAR for review. She advised the close of the response period would be 6 October.
<b>Comments on Draft Report</b>						
8/09/2023	Email	Victoria Cottle	ERM	Paul Boyd and Lilly Carroll [REDACTED]	Didge Ngunawal Clan	Paul & Lilly emailed to state that DNC were happy with the Draft report.
12/09/2023	Email	Victoria Cottle	ERM	Arthur Fletcher [REDACTED]	Kawul Pty Ltd trading as Wonn1 Sites	Arthur emailed to acknowledge he received the Draft report.

Date	Method	Addressee	Organisation	Sender	Sender Organisation	Details
13/09/2023	Email	Victoria Cottle	ERM	Kevin Duncan [REDACTED]		Kevin emailed to let ERM know that he couldn't access the report through the link provided.
13/09/2023	Email	Kevin Duncan [REDACTED]		Victoria Cottle	ERM	Victoria provided Kevin with another link to the Draft report.



## APPENDIX B      AGENCY NOTIFICATION LETTER



Biraban Local Aboriginal Land Council

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Yours sincerely,

A large black rectangular redaction box covering the signature area.A small black rectangular redaction box covering the name.

Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**



Heritage NSW



Via email: [REDACTED]

13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Yours sincerely,

[Redacted Signature]

[Redacted Name]

Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**



Hunter Local Land Services

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

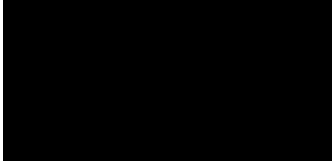
As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Yours sincerely,



Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**



Lake Macquarie City Council

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

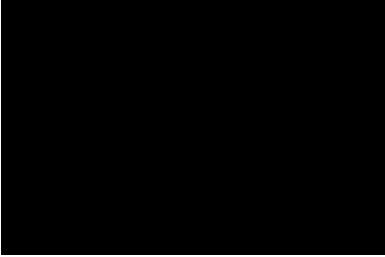
As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Yours sincerely,





**Figure 1 – Project Area (shown in red)**



National Title Services

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

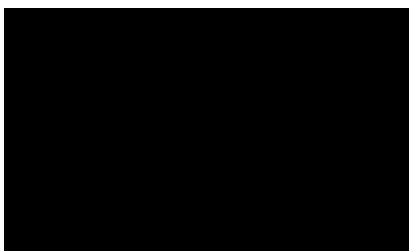
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Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

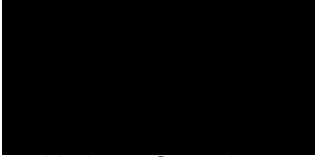
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In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.



Yours sincerely,



Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**



NTS Corp

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

Yours sincerely,



Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**



Office of the Registrar

Via email: [REDACTED]



13 February 2023

Reference: 0652233

Dear Sir/Madam,

**Subject: Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Masterplan located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

As per the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements), ERM and the Proponent are seeking to undertake community consultation with Aboriginal knowledge holders relevant to the Project Area who can determine the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

In order to comply with Stage 1 of the Consultation Requirements we are writing to advise you of the proposal and ask whether you could provide details of any Aboriginal groups or individuals that your organisation is aware of who may have an interest in the Project Area and who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

Relevant stakeholder lists can be returned to Victoria Cottle (Project Archaeologist) at the below details.

Yours sincerely,



Heritage Consultant  
ERM



**Figure 1 – Project Area (shown in red)**





## APPENDIX C      AGENCY RESPONSES

Our reference: Doc23/111374

ERM Consulting  
PO Box 803  
Newcastle, NSW 2300

21/02/2023

Dear [REDACTED]

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

**Subject: Glendale Precinct Masterplan.**

Thank you for your correspondence dated 13 February 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 **Lake Macquarie** 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:

Yours sincerely



**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 **Lake Macquarie** 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 February 2023***

**Aboriginal Stakeholders – Lake Macquarie Hastings Local Government Area.**

A1 Indigenous Services	[REDACTED] [REDACTED]	[REDACTED]	-	[REDACTED]	1	[REDACTED] [REDACTED] [REDACTED]	-
[REDACTED]	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	-	[REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-
Arwarbukarl Cultural Resource Association, Miromaa Aboriginal Language and Technology Centre	[REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	-	-	[REDACTED] [REDACTED] [REDACTED]	-
Awabakal & Guringai Pty Ltd	[REDACTED] [REDACTED] [REDACTED]	[REDACTED] [REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-
Awabakal Descendants Traditional Owners	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-
Awabakal Local Aboriginal Land Council	CEO	[REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED]	-	-	[REDACTED] [REDACTED] [REDACTED]	-
Awabakal Traditional Owners Aboriginal Corporation	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-
Bahtabah Local Aboriginal Land Council	CEO	[REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED]	-	-	[REDACTED] [REDACTED] [REDACTED]	-
Biraban Local Aboriginal Land Council	CEO	<a href="mailto:admin@birabanlalc.com.au">admin@birabanlalc.com.au</a>	[REDACTED] [REDACTED] [REDACTED]	-	-	[REDACTED] [REDACTED] [REDACTED]	-
Corroboree Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]	[REDACTED]	-	[REDACTED] [REDACTED] [REDACTED]	-

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	-
[REDACTED]	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-
Darkinjung Local Aboriginal Land Council	CEO	[REDACTED]	[REDACTED]	-	-	[REDACTED]	-
[REDACTED]	[REDACTED]	[REDACTED]	-	[REDACTED] 6	-	[REDACTED]	-
Didge Ngunawal Clan	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-
Gidawaa Walang & Barkuma Neighbourhood Centre Inc.	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	-	[REDACTED]	-
[REDACTED]	-	[REDACTED]	[REDACTED]	-	-	[REDACTED]	-
Gomery Cultural Consultants	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-
Guringai Tribal Link Aboriginal Corporation	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-
Indigenous Learning	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-
Jumbunna Traffic Management Group Pty Ltd	[REDACTED]	[REDACTED]	-	[REDACTED]	-	[REDACTED]	-



Kamilaroi Yankuntjatjara Working Group	████████	████████████████ ████	█	████████	█	████████████████ ████████████████ ████	-
Kauma Pondee Inc.	████████	████████████████ ████	█	████████	█	████████████████ ████████████████ ████████████████	-
Kawul Pty Ltd trading as Wonn1 Sites	██████ ██████	████████████████	████ ████ ████	████████	█	████████████████ ████████████████ 2285	-
████████████████	██████ ██████	████████████████ ████	████ ████ ████	████████	█	████████████████ ████████████████ ████	-
████████████████	████████	████████████████	█	████████	█	████████████████ ████████████████	-
Lower Hunter Aboriginal Incorporated	████████	████████████████	█	████████	█	████████████████ ████████████████ ████████████████	-
Lower Hunter Wonnarua Cultural Services	████████████████	████████████████	█	████████	█	████████████████ ████████████████ ████	-
████████████████ Cultural Heritage Consultant	██████ ██████	████████████████	█	████████	█	████████████████ ████ ████████████████ NSW 2281	-
Murra Bidgee Mullangari Aboriginal Corporation	██████ ██████ ████ ██████	████████████████ ████████████████	█	████████ ████████ ████████	█	████████████████ ████████████████	-
Myland Cultural & Heritage Group	██████ ██████	████████████████	█	████████	█	████████████████ ████████████████ ████████████████	-

[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	I
[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	I
[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	I
[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	-
Tocomwall Pty Ltd	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	I
[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	-
WATTAKA Pty Ltd	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	I	[REDACTED]	-
Widescope Indigenous Group	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	-
Wonnarua Elders Council	[REDACTED]	I	[REDACTED]	I	I	[REDACTED]	-
Yinarr Cultural Services	[REDACTED]	[REDACTED]	I	[REDACTED]	I	[REDACTED]	-

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## APPENDIX D      INVITATION TO REGISTER LETTER



[Group]  
[First name] [Last name]  
[Address line 1]  
[Address line 2]  
[email]

2 March 2023

Reference: 0652233

To [First name],

**Subject: Glendale Precinct Concept Development Application - Aboriginal Cultural Heritage Assessment**

ERM have been engaged by Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support the development of the Glendale Precinct Concept Development Application located in the Lake Macquarie Local Government Area. The Glendale Precinct would include land located between Main Road and Stockland Drive, Glendale. The Project Area is illustrated in Figure 1.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application.

The contact details for the proponent are:

Transport for NSW  
[REDACTED]  
[REDACTED]

## REGISTRATION

ERM is seeking expressions of interest from any Aboriginal people who may have cultural knowledge relating to the Project Area who may be able to assist.

If you wish to formally register your interest in the process of community consultation could you please contact Victoria Cottle (Project Archaeologist) by **16 March 2023** at the below details:

[REDACTED]  
PO Box 803  
Newcastle, NSW 2300

[REDACTED]  
[REDACTED]  
[REDACTED]

To assist in the identification of specific knowledge holders as part of the consultation process, ERM respectfully requests that you advise us if you have any specific information concerning the cultural values of the Project Area. We would also be grateful if you could identify any other knowledge holders who would be appropriate to contact regarding the Project Area. Any cultural knowledge provided will be treated in confidence and the information will be distributed according to the wishes of the Aboriginal stakeholders.

Please note that the Consultation Requirements require the Proponent to provide details of registered Aboriginal parties to the Heritage NSW and the Biraban Local Aboriginal Land Council. In your response could you please advise if you would like your details to not be provided.

Yours sincerely,

For Environmental Resources Management Australia Pty Ltd

[REDACTED]

Project Archaeologist



**Figure 1: Project Area**





## APPENDIX E      ADVERTISEMENT

## Invitation to Register an Interest – Glendale Precinct Concept Development Application

Environmental Resources Management Australia Pty Ltd (ERM) have been engaged by the Transport for NSW (The Proponent) to undertake an Aboriginal Cultural Heritage Assessment to support preparation of the Glendale Precinct Concept Development Application. The Project Area is in the Lake Macquarie LGA.

Aboriginal community consultation is being undertaken to assist the Proponent in the preparation of the Cultural Heritage Assessment to inform the Concept Development Application. It is intended that the consultation process would be continued into subsequent stages of the Project which may require approvals under the *National Parks and Wildlife Act 1974* or *Environmental Planning and Assessment Act 1979*. Future approvals may include an application for an Aboriginal Heritage Impact Permit (AHIP). If required, this consultation process would be utilised to support the application for an AHIP and to assist the Secretary of Heritage NSW in their assessment of the AHIP application. The proponents contact details are:

Transport for NSW

[REDACTED]  
[REDACTED]

ERM is seeking expressions of interest from any Aboriginal people who may have cultural knowledge relating to the Glendale area who may be able to assist. Interested Aboriginal parties wishing to be consulted for this assessment are invited to register a written expression of their interest by Thursday 16<sup>th</sup> March 2023.

Please respond in writing to:

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Please note that the consultation guidelines require the proponent to provide details of registered Aboriginal parties to Heritage NSW and the Biraban LALC. In your response could you please advise if you would like your details to not be provided.



## APPENDIX F      REGISTERED RAP GROUPS

---

**From:** [REDACTED]  
**Sent:** Tuesday, 14 February 2023 9:58 AM  
**To:** [REDACTED]  
**Subject:** RE: Request for potentially interested parties - Glendale Area

You don't often get email from [ceo@birabanlalc.com.au](mailto:ceo@birabanlalc.com.au). [Learn why this is important](#)

**EXTERNAL MESSAGE**

Hi [REDACTED]

Biraban LALC would like to register our interest in this project.  
If you require anything further please let me know.  
Thank you

Kind Regards

[REDACTED]  
Chief Executive Officer



**BIRABAN**  
**Local Aboriginal Land Council**

*We acknowledge and pay our respect to Elders past and present and to the Traditional Owners and Knowledge Holders of the lands we work.*

*This email, its contents and any attachments are confidential and for the addressee only, unless permitted otherwise by the sender.*

---

**From:** [REDACTED]  
**Sent:** Monday, 13 February 2023 4:13 PM  
**To:** Biraban Info [REDACTED]  
**Subject:** Request for potentially interested parties - Glendale Area

To whom it may concern,

In accordance with Section 4.1.2 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached a letter requesting the names of Aboriginal parties who may hold an interest in the Glendale area of Newcastle, NSW.

Please feel free to get in touch if you have queries.

Kind regards,  
ERM  
Heritage Consultant



---

**From:** Peter Leven <peterleven@y7mail.com>  
**Sent:** Tuesday, 28 February 2023 9:55 AM  
**To:** Victoria Cottle  
**Subject:** Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment

You don't often get email from peterleven@y7mail.com. [Learn why this is important](#)

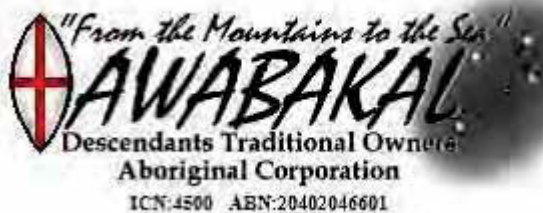
**EXTERNAL MESSAGE**

ALLA, [REDACTED]

The Awabakal Descendants Traditional Owners Aboriginal Corporation would like to register our interest and be involved in the Glendale Precinct Masterplan - Aboriginal Cultural Heritage Assessment

If you require any further information please feel free to contact me at your convenience.

[REDACTED]  
Managing Director  
Awabakal Descendants Traditional Owners Aboriginal Corporation  
[REDACTED]



Confidentiality Notice: All of the content and any information within or attached to this email is private and confidential and only between Awabakal Descendants Traditional Owners Aboriginal Corporation (ADTOAC), and the addressee/s. Under no circumstance is this information to be copied, emailed, transmitted in any form, faxed, transferred to other departments or allowed to be used within or for reports or any other documents or applications or purposes. The information contained within this email and any attached documents is not to be supplied to or used by any other person/s other than the intended addressee/s subject to our explicit permission.

---

**From:** [REDACTED]  
**Sent:** Thursday, 2 March 2023 9:22 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Hi [REDACTED]

DNC would like to register an interest into the Glendale Precinct Concept development application project

Kind regards

[REDACTED]  
Directors DNC  
[REDACTED]

On Thursday, March 2, 2023, 9:20 am,

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

ERM

Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300

PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Friday, 3 March 2023 1:49 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field.

**EXTERNAL MESSAGE**

Dear [REDACTED]

Thank you for your email.

The Awabakal Traditional Owners Aboriginal Corporation would like to register our interest and be involved in the Aboriginal Cultural Heritage Assessment for the Glendale Precinct Concept Development Application Project.

If you require any further information please do not hesitate in contacting me.

Kind regards,  
[REDACTED]



Director | Administration | Awabakal Traditional Owners Aboriginal Corporation  
[REDACTED]

CONFIDENTIALITY NOTICE: This e-mail is confidential and intended for the addressee only. The use, copying or distribution of this message or any information it contains, by anyone other than the addressee is prohibited by the sender. If you have received this e-mail in error, please delete it and notify the original author immediately. Every reasonable precaution has been taken to ensure that this e-mail, including attachments, does not contain any viruses. However, no liability can be accepted for any damage sustained as a result of such viruses, and recipients are advised to carry out their own checks. Please consider the environment before printing this correspondence.

---

**From:** [REDACTED]  
**Sent:** Thursday, 2 March 2023 9:23 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

Dear [REDACTED],

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

---

**From:** [REDACTED]  
**Sent:** Friday, 3 March 2023 7:58 AM  
**To:** [REDACTED]  
**Subject:** RE: Invitation to Register - Glendale Precinct Concept DevelopmentApplication - ACHAR  
**Attachments:** image001.png

---

**EXTERNAL MESSAGE**

---

Yaama, [REDACTED], Thank you for the invitation to register for the Glendale Precent Concept Development Application , please accept my registration , Thank you , [REDACTED]

Sent from [Mail](#) for Windows

---

**From:** [REDACTED]  
**Sent:** Thursday, 2 March 2023 9:19 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept DevelopmentApplication - ACHAR

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

**ERM**  
Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |



---

**From:** [REDACTED]  
**Sent:** Friday, 3 March 2023 7:37 PM  
**To:** [REDACTED]  
**Subject:** RE: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Alla [REDACTED]

Thank you for correspondence and invitation regarding the Glendale Project.

I wish to be included in all Aboriginal consultation in relation to my Registered cultural heritage connection.

I agree to be contacted by email as the main mode of consultation. I am also available via mobile phone, please leave a message if no answer as I work fulltime.

Yarnu

[REDACTED]

[REDACTED]

---

**From:** [REDACTED]  
**Sent:** 2 March, 2023 9:21 AM  
**To:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

Heritage Consultant

ERM  
Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Friday, 3 March 2023 8:23 AM  
**To:** [REDACTED]  
**Subject:** Re: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Hi [REDACTED]

We hope you are well. Thanks for the opportunity to be consulted with this project. We would like to be included in all ways as our families have a long cultural connection with the local communities over many years. All the best and stay safe.

Regards [REDACTED]

On Thu, 2 Mar 2023 at 9:19 am, [REDACTED] wrote:

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and [Stockland Drive, Glendale NSW 2285 \(Lot 1/DP1286427 & Lot 1003/DP1261664\)](#).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

ERM

Level 1 | Watt Street Commercial Centre | [45 Watt Street Newcastle NSW 2300](#)

PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Monday, 6 March 2023 8:38 PM  
**To:** [REDACTED]  
**Subject:** Re: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR  
**Attachments:** A1.WC2023.pdf; A1.PL2023.pdf; NSW Member Certificate 2022 - A1 INDIGENOUS SERVICES PTY LTD.pdf

---

EXTERNAL MESSAGE

---



[REDACTED]  
[REDACTED]  
[REDACTED]  
**ACN:** 639 868 876  
**ABN:** 31 639 868 876

Hi,  
Thank you for your email, I would like to register in being involved in all levels of consultation for this project.  
Including, Meetings, Reports, Sharing Cultural Information, and available Field Work.

About the founder [REDACTED]  
I am a traditional owner with over 25 years experience in helping preserve Aboriginal cultural heritage on projects.  
I hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and values that exist in the project area.  
**I have attached A1 Indigenous Services Insurances**

**When Selecting Groups for Engagement:**

Please consider that **A1 INDIGENOUS SERVICES PTY LTD** is a member of the **NSW INDIGENOUS CHAMBER OF COMMERCE**.

We carry the NSWICC Assured logo showing that **A1 Indigenous Services** has met National Policy requirements as upheld by the First Australians Chamber of Commerce and Industry (FACCI) for being identified as a **100% First Nations Owned Indigenous Business** That has demonstrate compliance with Government and Industry Regulators.

***A1 INDIGENOUS SERVICES PTY LTD Represents over 100 Indigenous Locals***

We would like you to consider including A1's employee's, the Kawalkan workforce and the Women's Circle Employees for all future field work.

The Kawalkan workforce Program is a designed program created to employ young indigenous youths between the ages of (18-29) years of age.

The Women's Circle was created with the need to always have Experienced Indigenous Women present in all field work.

To aim for not only gender equality in the workplace but, to help identify and protect any women's sacred places.

Please feel free to publish my name, and response but not the email

Please feel free to contact me on details supplied

Kind Regards,

[REDACTED]

Managing Director

**A1 INDIGENOUS SERVICES PTY LTD is now a member of the NSW INDIGENOUS CHAMBER OF COMMERCE**

A business or enterprise carrying the NSWICC Assured logo has met National Policy requirements as upheld by the First Australians Chamber of Commerce and Industry (FACCI) for being identified as a First Nations Business Owner or Entrepreneur and the business must demonstrate compliance with Government and Industry Regulators.

**(Certificate attached)** A certificate confirms that the Enterprise listed above has met all requirements of the NSWICC's Assured Program , operating as a 100% Aboriginal Owned, Operated and Controlled Business. The NSW Indigenous Chamber of Commerce (NSWICC) is the Peak body for Aboriginal Business in New South Wales and a member of the First Australians Chamber of Commerce and Industry (FACCI)

**A1 Indigenous Services is 100%, Indigenous Owned Australian Company**  
**which offers a range of services to the construction industry.**

**It is our mission to commit to an innovative approach to a better future for Indigenous employment and community.**

**While improving ways to close the gap in Aboriginal participation in the construction Industry.**  
**Building strength in aboriginal communities and our Indigenous labour force.**







---

**From:** [REDACTED]  
**Sent:** Thursday, 2 March 2023 9:17 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

**ERM**  
Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Tuesday, 7 March 2023 4:19 PM  
**To:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

[You don't often get email from [REDACTED] Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification> ]

EXTERNAL MESSAGE

Hi [REDACTED]  
Please register Muragadi for the above project, we have a site officer from the area.  
Thanks  
[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Tuesday, 7 March 2023 4:16 PM  
**To:** [REDACTED]  
**Subject:** Re: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Hi [REDACTED]  
Can you please register our company for the above project, we have been doing aboriginal cultural heritage projects for over 24 years  
Kind regards  
[REDACTED]

On 2 Mar 2023, at 9:22 am, [REDACTED]

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

**ERM**

Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |

---

**From:** WIDESCOPE [REDACTED]  
**Sent:** Tuesday, 7 March 2023 5:03 PM  
**To:** [REDACTED]  
**Subject:** RE: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Good afternoon, [REDACTED]

Thank you for the project information.

[REDACTED] would like to register an interest in the project.

Regards

[REDACTED]  
Widescope Indigenous Group

---

**From:** [REDACTED]  
**Sent:** Thursday, 2 March 2023 9:21 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

Dear [REDACTED],

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant

**ERM**  
Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |



---

**From:** [REDACTED]  
**Sent:** Wednesday, 8 March 2023 3:44 PM  
**To:** [REDACTED]  
**Subject:** Re: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Hi [REDACTED]  
Please accept my interest to be registered as a registered aboriginal party for the Glendale Precinct Project .

[REDACTED]

On Thu, Mar 2, 2023 at 9:18 AM [REDACTED] wrote:

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]

Heritage Consultant

**ERM**

Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300

PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Thursday, 9 March 2023 12:39 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: Registering - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Corroboree Aboriginal Corporation is registering for this proposed project. We have Culture knowledge and our ancestral heritage to this area. My family members have lived in the area and family currently reside in the areas and surrounding areas. We have worked on numerous projects in the area. We are registering in a full capacity. We are aboriginal people who are culturally aware. We have the necessary ability, awareness, experience, skills, insight and the knowledge to identify artefacts on field work. And as Aboriginal People we connect thru the land, thru our ancestors and our heritage. Therefore we are able participate on all levels. We have worked with many archaeologists across a broad landscape. We have consulted with your company on previous projects. We have all the relevant insurances and safety gear. We are all fit and adapt to a vast landscape.

Contact is preferred via email. The contact number, email and contact person is also listed in the signature. Please do not disclose any of our details to LALC nor publish our correspondence for LALC to peruse, etc. Please only note our corporation details i.e. our name for registration purposes. As noted our details are not to be passed on/disclosed to LALC. We understand your need for confirmation of our corporations name on your lists for registered stakeholders, in that we have responded for inclusion, to participate on all levels. The use of our name as registered party, is fine, however non-disclosure of our actual correspondence, please. Just our name and contact details as registered stakeholders for your records and proponents. Thanks.

Kind regards

[REDACTED]  
Director  
Corroboree Aboriginal Corporation

*We respectfully acknowledge the Traditional Owners of the lands upon which we work and pay our deep respect to Elders past, present and emerging.*

On Thursday, March 2, 2023, 9:22 am, [REDACTED]:

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept

Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

A solid black rectangular box used to redact a signature.

Heritage Consultant

**ERM**

Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300

PO Box 803, Newcastle NSW 2300 |

---

**From:** [REDACTED]  
**Sent:** Thursday, 9 March 2023 12:13 PM  
**To:** [REDACTED]  
**Subject:** Registering - Glendale Precinct Concept Development Application

You don't often get email from wokacorp@yahoo.com. [Learn why this is important](#)

**EXTERNAL MESSAGE**

Woka Aboriginal Corporation  
Preservation of Culture & Heritage  
[REDACTED]

Attention: [REDACTED] - ERM

Re: Glendale Precinct Concept Development

We are submitting our registration of Woka Aboriginal Corporation for full process on this project. I have personally resided in the area and have connection. We are all Aboriginal people from all over NSW. We are from different clans. We provide Aboriginal Site Officer training which provides employment to all Indigenous people and a sense of belonging and empowerment to be part of preserving our artefacts. As such we are all experienced Aboriginal Cultural Heritage Site Officers. We have worked on number of projects in the area. We are aware that registering for this project does not guarantee work, should field surveys, test excavations, or salvage excavations be required, but we hope equal employment is prevalent in the workplace of this project.

Some of the companies/proponents we have engaged with are Lendlease, NBN, Transgrid, Rose Hill Camellia project the Metro, etc. We have worked with the National Parks & Wildlife, WaterNSW, RMS/TFNSW on for over a decade on projects. We have our history & stories passed down to us by our Elders. We have assisted in surveys, test excavations, salvage & consulting with archaeologists over a vast number of years. We are experienced in the field of identifying potential PADS, artefacts, Including our learned history and knowledge passed down to us. We appreciate the opportunity to be part of protecting and preserving our Aboriginal heritage and Culture. We are very proud of our heritage and culture passed to us by our Ancestors and our own histories. We are therefore pleased with being a part of this research and to provide our experience and knowledge.

Our organisation has the current Public liability insurance and is WHS compliant, with all member's holding white cards and required PPE.

All our members are extremely experienced in the identification of Aboriginal artefacts and have worked with numerous Archeologists in field surveys, including test and salvage excavations on fieldwork. We are very passionate about our ancestral land and our conservation of our history matters the upmost to us. We hold strong links to our ancestors, our culture and our heritage and lore. We are motivated to share our history with our current generation and future generations to pass down to our Mob.

Please note we do not want our details forwarded to LALC, please do not release our correspondence. Please register Woka Aboriginal Corporations name for this project. Please feel free to contact me if you have any questions.

Sincerely

[REDACTED]  
Aboriginal Heritage Custodian  
[REDACTED]

*We respectfully acknowledge the Traditional Owners of the lands upon which we work and pay our deep respect to Elders past, present and emerging.*



---

**From:** Lower Hunter Aboriginal Incorporated [REDACTED]  
**Sent:** Thursday, 16 March 2023 11:06 PM  
**To:** [REDACTED]  
**Subject:** Re: Invitation to Register - Glendale Precinct Concept Development Application - ACHAR

---

**EXTERNAL MESSAGE**

---

Hi Victoria  
On behalf of LHA, I would like to register for the Glendale Precinct Concept Development.

On Thu, Mar 2, 2023 at 9:18 AM [REDACTED] wrote:

Dear [REDACTED]

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, please find attached an Invitation to Register an interest to participate in Aboriginal community consultation for the Glendale Precinct Concept Development Application Project located between Main Road and Stockland Drive, Glendale NSW 2285 (Lot 1/DP1286427 & Lot 1003/DP1261664).

Please feel free to get in touch if you have any queries or wish to register your interest to participate throughout the process.

Kind regards,

[REDACTED]  
Heritage Consultant ERM

Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300

PO Box 803, Newcastle NSW 2300 |

-  
Thank You [REDACTED]  
Sites Manager  
LHA  
[REDACTED]

**Lower Hunter Aboriginal Incorporated**

ABN: 8192 4628 138

Email: [REDACTED]

---

**From:** Admin [REDACTED]  
**Sent:** Tuesday, 21 March 2023 11:33 AM  
**To:** [REDACTED]  
**Subject:** Re: Yinarr Cultural Services Glendale Precinct Concept Development Application - Aboriginal Cultural Heritage Assessment  
**Attachments:** Glendale Precinct Concept Development Application - Aboriginal Cultural Heritage Assessment - Victoria Cottle ERM (20th March 2023).pdf; BizCover Public Liability Insurance.pdf; iCare - Workers Compensation.pdf; NSW Driver's Licence.pdf; Work Card.pdf; Work Cards.pdf; OHS General Induction for Construction Work in NSW.pdf; Occupational Health and Safety - White Card & LF Fork Lift Truck Licence.pdf; Statement of Attainment - Certificate IV in Business (Governance).pdf; Statement of Attainment in Aboriginal Sites School.pdf; Statement of Attainment in Certificate IV in Training and Assessment.pdf; Transcript of Academic Record Certificate IV in Training and Assessment.pdf; Statement of Attainment Aboriginal Studies and Aboriginal Painting.pdf; Certificate of Achievement Certificate 1 in Aboriginal Languages.pdf; Confirmation of Aboriginality Wanaruah Local Aboriginal Lands Council (WLALC).pdf; Certificate of Achievement Climate Change.pdf; Certificate 1 in Aboriginal Languages.pdf; Letter for Confirmation of Aboriginality Commissioner Jim Wright (ATSIC).pdf; Hunter Valley Aboriginal Corporation (HVAC) Confirmation of Aboriginality Part. 1.pdf; Learning Outcomes Aboriginal Site School.pdf; Hunter Valley Aboriginal Corporation (HVAC) Confirmation of Aboriginality Part. 2.pdf; Transcript of Academic Record Statement of Attainment in Aboriginal Site Works.pdf

[You don't often get email from [REDACTED] Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification> ]

EXTERNAL MESSAGE

Dear [REDACTED]

Please find enclosed Yinarr Cultural Services expression of interest in Glendale Precinct Concept Development Application - Aboriginal Cultural Heritage Assessment.

Please find enclosed all documents needed for your records.

If there are any questions or information you may have please do not hesitate in contacting us either by Mobile [REDACTED] or Email: [REDACTED]

Would you be able to confirm receipt of this email, please? Thank you.

Kind regards

[REDACTED]  
First Nation Cultural Heritage Custodian and Consultant Advisor Yinarr Cultural Services Discover, Preserve, Protect Encl.



## APPENDIX G      SECTION 4.1.6 NOTIFICATION LETTER

---

**From:** [REDACTED]  
**Sent:** Tuesday, 18 April 2023 10:32 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Glendale Precinct Concept Development Application, Lake Macquarie NSW ACHAR  
**Attachments:** 0652233 Advert.pdf; Glendale\_Invitation\_to\_Register\_Draft\_V01.pdf; Section 4.1.6  
\_Notification Letter\_Glendale Precinct\_Heritage NSW.pdf

To whom it may concern

In accordance with the *Aboriginal Consultation Requirements for Proponents 2010* (Stage 1, s4.1.6), Environmental Resources Management Australia Pty Ltd (ERM) and our client Transport for NSW (The Proponent) has collated a list of registered interested parties who would like to participate in the upcoming project. I have included details of the consult advertisement placed in the local newspaper, the initial registration of interest letter and the Section 4.1.6 notification letter.

If you have any queries about the included information or the upcoming project please do not hesitate to reach out.

Kind regards,

[REDACTED]  
Heritage Consultant

**ERM**  
Level 1 | Watt Street Commercial Centre | 45 Watt Street Newcastle NSW 2300  
PO Box 803, Newcastle NSW 2300 |





Biraban Local Aboriginal Land Council

Via email: [REDACTED]

18 March 2023

Reference: 0652233

Dear Biraban LALC,

**Subject: Written notification of registrations of interest as required under Heritage NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (Stage 1) – Glendale Precinct Concept Development Application – Aboriginal Cultural Heritage Project**

In accordance with the *Aboriginal Consultation Requirements for Proponents 2010* (Stage 1, s4.1.6), Environmental Resources Management Australia Pty Ltd (ERM) and our client Transport for NSW (The Proponent) wishes to inform you of the Aboriginal people who have registered an interest in the preparation of an Aboriginal Cultural Heritage Assessment Report (ACHAR) associated with the proposed Glendale Precinct Concept Development Application located in the suburb of Glendale in Lake Macquarie, NSW.

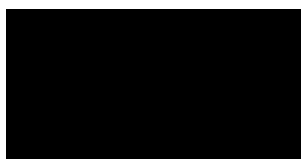
PERSON OR ORGANISATION	CONTACT DETAILS
A1 Indigenous Services	[REDACTED] [REDACTED] [REDACTED]
Awabakal Descendants Traditional Owners Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Awabakal Traditional Owners Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Biraban Local Aboriginal Land Council	[REDACTED] [REDACTED] [REDACTED] 806
Didge Ngunawal Clan	[REDACTED] [REDACTED] [REDACTED]
Kamilaroi Yankuntjatjara Working Group	[REDACTED] [REDACTED] [REDACTED]
Kawul Pty Ltd trading as Wonn1 Sites	[REDACTED] [REDACTED] [REDACTED]

PERSON OR ORGANISATION	CONTACT DETAILS
[REDACTED]	[REDACTED] [REDACTED]
Lower Hunter Aboriginal Incorporated	[REDACTED] [REDACTED] [REDACTED]
Muradgi	[REDACTED] [REDACTED] [REDACTED]
Murra Bidgee Mullangari Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
[REDACTED]	[REDACTED] [REDACTED]
[REDACTED]	[REDACTED] [REDACTED]
Widescope Indigenous Group	[REDACTED] [REDACTED] [REDACTED]
Yinnar Cultural Services <sup>1</sup>	[REDACTED] [REDACTED] [REDACTED]

Two more groups have registered an interest in the Project but have requested that their details not be disclosed at this time.

As also required, a copy of the invitation to register letter and public advertisement required for *Aboriginal Consultation Requirements for Proponents 2010* (Stage 1, s4.1.3) is attached for your records. The advertisement was placed in the Newcastle Herald on 2 March 2023.

Yours sincerely,



Project Archaeologist

ATTACHMENT 1: Invitation to register  
ATTACHMENT 2: Public Notice

---

<sup>1</sup> Registered interest following close of response period. As such, Yinnar Cultural Services will be kept informed throughout the project, however, will not be invited to participate in survey or provide comment on reporting.



Heritage NSW

Via email: [REDACTED]

18 March 2023

Reference: 0652233

Dear Heritage NSW,

**Subject: Written notification of registrations of interest as required under Heritage NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (Stage 1) – Glendale Precinct Concept Development Application – Aboriginal Cultural Heritage Project**

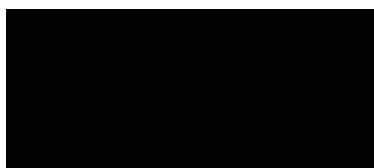
In accordance with the *Aboriginal Consultation Requirements for Proponents 2010* (Stage 1, s4.1.6), Environmental Resources Management Australia Pty Ltd (ERM) and our client Transport for NSW (The Proponent) wishes to inform you of the Aboriginal people who have registered an interest in the preparation of an Aboriginal Cultural Heritage Assessment Report (ACHAR) associated with the proposed Glendale Precinct Concept Development Application located in the suburb of Glendale in Lake Macquarie, NSW.

PERSON OR ORGANISATION	CONTACT DETAILS
A1 Indigenous Services	[REDACTED] [REDACTED] [REDACTED]
Awabakal Descendants Traditional Owners Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Awabakal Traditional Owners Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Biraban Local Aboriginal Land Council	[REDACTED] [REDACTED] [REDACTED]
Corroboree Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Didge Ngunawal Clan	[REDACTED] [REDACTED] [REDACTED]
Kamilaroi Yankuntjatjara Working Group	[REDACTED] [REDACTED] [REDACTED]

PERSON OR ORGANISATION	CONTACT DETAILS
Kawul Pty Ltd trading as Wonn1 Sites	[REDACTED] [REDACTED] [REDACTED]
[REDACTED]	[REDACTED] [REDACTED]
Lower Hunter Aboriginal Incorporated	[REDACTED] [REDACTED] [REDACTED]
Muradgi	[REDACTED] [REDACTED] [REDACTED]
Murra Bidgee Mullangari Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
[REDACTED]	[REDACTED] [REDACTED]
[REDACTED]	[REDACTED] [REDACTED]
Widescope Indigenous Group	[REDACTED] [REDACTED] [REDACTED]
Woka Aboriginal Corporation	[REDACTED] [REDACTED] [REDACTED]
Yinnar Cultural Services <sup>1</sup>	[REDACTED] [REDACTED] [REDACTED]

As also required, a copy of the invitation to register letter and public advertisement required for *Aboriginal Consultation Requirements for Proponents 2010* (Stage 1, s4.1.3) is attached for your records. The advertisement was placed in the Newcastle Herald on 2 March 2023.

Yours sincerely,



Project Archaeologist

ATTACHMENT 1: Invitation to register  
ATTACHMENT 2: Public Notice

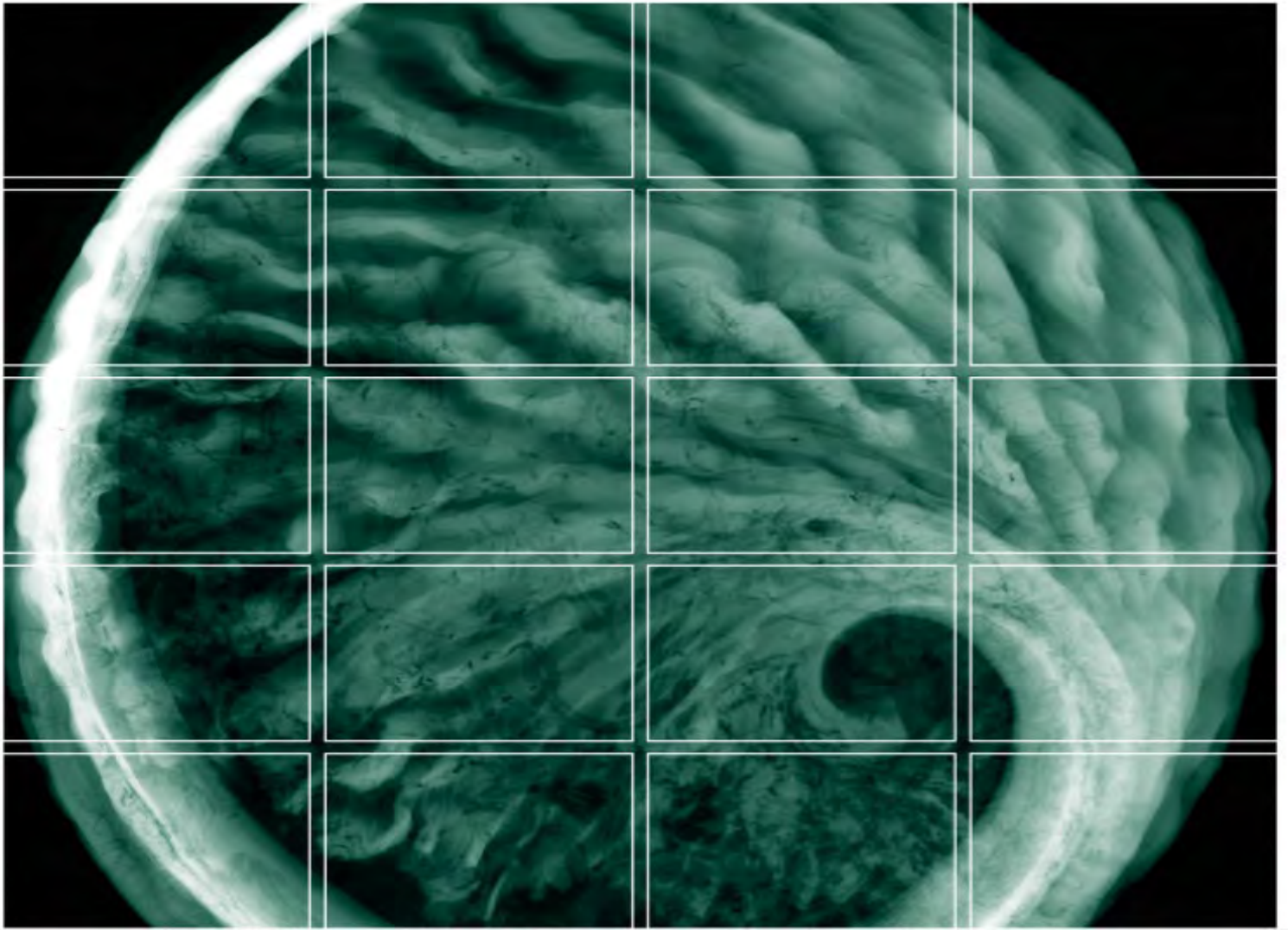
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<sup>1</sup> Registered interest following close of response period. As such, Yinnar Cultural Services will be kept informed throughout the project, however, will not be invited to participate in survey or provide comment on reporting.





## APPENDIX H      METHODOLOGY



# Glendale Precinct

## Aboriginal Cultural Heritage Assessment Methodology Report

31 March 2023

Project No.: 0652233

<b>Document details</b>	
Document title	Glendale Precinct
Document subtitle	Aboriginal Cultural Heritage Assessment Methodology Report
Project No.	0652233
Date	31 March 2023
Version	2.0
Author	Victoria Cottle
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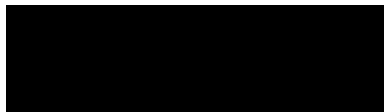
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31 March 2023

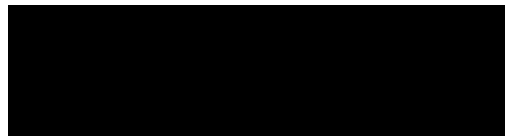
# Glendale Precinct

## Aboriginal Cultural Heritage Assessment Methodology Report



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## 1. INTRODUCTION

Environmental Resources Management Australia Pty Ltd (ERM) has been engaged by Transport for NSW (TfNSW) to prepare an Aboriginal Cultural Heritage Assessment Report (ACHAR) as part of the Glendale Precinct Concept Development Application.

It is understood that the Project will require an ACHAR to support the Concept Development Application. The ACHAR will be prepared in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements) (DECCW, 2010a), *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (Code of Practice) (DECCW 2010b), the *National Parks and Wildlife Act 1974* and all other relevant guidelines and legislation. The ACHAR will be prepared to identify, assess, and develop management recommendations for any identified Aboriginal Cultural Heritage values within the Project Area. Preparation of the ACHAR will include Aboriginal community consultation, field investigations and associated data analysis and reporting.

This document provides details of the proposed assessment methodology for the ACHAR. This document will be provided to all Registered Aboriginal Parties (RAPs) who have registered interest in the Project for their review and comment. Any comments received will be considered and incorporated into the assessment methodologies where practicable.

### 1.1 Site Location

The Glendale Precinct is located at 65 Glendale Drive, Glendale, NSW (Lot 1001 and Part Lot 1003 DP 1261664) and occupies an area of approximately 35.85 hectares (ha) within the Lake Macquarie Local Government Area (LGA) (Figure 1.1). The site has frontages to Glendale Drive, Stockland Drive and Main Road. The Hunter Sports Stadium and the Stockland Glendale Shopping Centre are located to the south and south-east of the site, and the Sydney Trains heavy rail maintenance compound operated by Downer is located to the south.

The site is heavily vegetated and is currently zoned for B3 Commercial Core, B4 Mixed Use and C2 Environmental Conservation land uses under the Lake Macquarie Council Local Environmental Plan (LEP) 2014. The site includes a riparian corridor associated with Winding Creek, which traverses the central portion of the site. A number of Aboriginal sites are registered within the Project Area.

### 1.2 Proposed Development

TfNSW has identified the Glendale Precinct as currently under-utilised and potentially surplus land. In order to activate this land, TfNSW are developing a Concept Development Application for the precinct to reflect proposed future land uses across the Project Area. These land uses respond to the current market demands and conditions and will include the retention and rehabilitation of the riparian corridor.

Development of Phase 2 of the Concept Development Application incorporates feedback from a number of disciplines including Aboriginal heritage.





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## 2. ABORIGINAL HERITAGE BACKGROUND

### 2.1 Aboriginal Heritage Background

Prior to European settlement, the Lake Macquarie area was inhabited by the Awabakal people. The Awabakal were bound to the north by the Worimi, to the west by the Wonnarua, to the south-west by the Darkinjung and to the south by the Guringai people (Threlkeld, 1892; Umwelt, 2011). The Awabakal were people of the coast, estuaries, lakes and wetlands; however, they also had an attachment to the rugged sandstone country through the Watagan and Sugarloaf Ranges (Umwelt, 2011).

Ethnographic literature and the abundance of food resources in the Lake Macquarie area indicate that the region was attractive to the Aboriginal groups living in the area. Some ethnographic reports suggest that the Awabakal people may have been the largest clan of several groups in the coastal part of the lower Hunter region. Related clans were the Pambalong, Ash Island and Cooranbong groups. Awabakal was the largest group in the area and was concentrated on Lake Macquarie (Umwelt, 2011).

Lake Macquarie provided an abundance of fish (including shellfish and lobster) to the Awabakal People. Trees and their products were also used for a variety of purposes including making canoes, tools, and shelters from bark and wood. The Awabakal People used canoes to utilise the wider area of the lake (Threlkeld in Gunson, 1974; AMBS, 2005). The canoes on Lake Macquarie have been described as being made of a single piece of eucalyptus bark, propelled with short paddles (Umwelt, 2002).

As early as 1837, there was a dramatic decline in the local Aboriginal population, partly due to disease and disruption of traditional Aboriginal society by ill treatment and partly by the migration of remaining Aboriginal people to camps around the more established settlements (in this case, Newcastle). The conditions in which people lived in these camps was poor (Umwelt, 2011). After 1920, there are few references to Awabakal descendants living in the local area.

The Awabakal People continued to live in or have interests in the Lake Macquarie area throughout the twentieth century and right up to the present time. In the early 1930s, some Aboriginal people began to return to the region, working on the construction of the railway (Turner, 1995). A large group of Aboriginal people later lived in the 'Platt Estate' at Waratah. It is not documented the extent of how many of these people were descendants of the Awabakal or other Aboriginal (First Peoples) groups (Umwelt, 2011).



## 2.2 AHIMS Search

An extensive search of the AHIMS database was undertaken on 7 July 2022, with the following details:

**Table 1 AHIMS Database Search Details**

<u>Item</u>	<u>Detail</u>
Client Service ID	698258
Datum	
Lot/DP	
Buffer	1000 m
Number Sites <sup>1</sup>	10

The extensive AHIMS search identified that 10 known Aboriginal sites are currently recorded within the Extensive Search area; these sites include two scarred trees and eight artefact sites. Five of these sites were identified within the Project Area boundary (as shown in Figure 2.1).

An AHIP permit (C0000418, 3717) was issued for the Lake Macquarie Transport Interchange on 11 August 2014 for four sites: 38-4-0171, 38-4-0174, 38-4-0175 and 38-4-1631 (comprising three artefact sites and one scarred tree). A review of historical aerials suggest that these sites have been destroyed by the works.

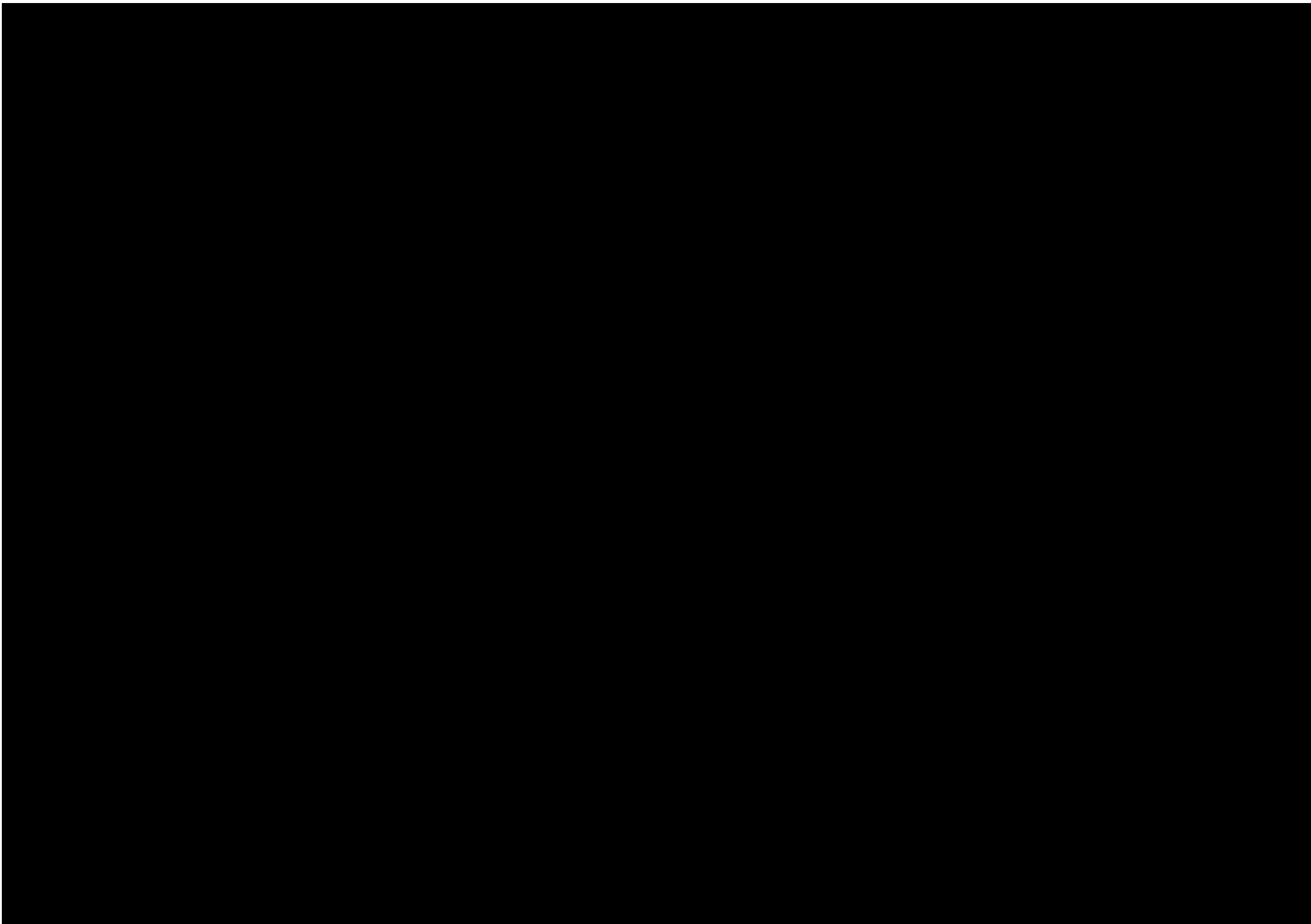
**It is noted that these sites are currently listed as valid on the AHIMS database and that a site update would need to be issued to formally register these sites as destroyed.**

Review of the registered AHIMS locations identifies several inaccuracies in the site locations when compared with the original Dean-Jones recording. This is considered likely to be associated with the earlier grid map-based recording technique utilised. The location of each currently valid AHIMS site was reassessed by ERM in 2022 and the reassessed locations are presented in Figure 2.2.

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<sup>1</sup> Number of sites registered following data download on 7 July 2022.





## 2.3 Previous Aboriginal Archaeological Assessments

The region surrounding the Project Area has been subject to previous archaeological studies performed over the past several decades and include:

### **Report of Archaeology Survey at Glendale, NSW (Dean-Jones, 1989)**

Dean-Jones (1989) conducted an archaeological constraints assessment, including a field survey, of 90 hectares of land along Winding Creek between Glendale and Cardiff. Dean-Jones' assessment resulted in the identification of nine sites, comprising eight artefact sites and one scarred tree. Based on the mapping provided in the Dean-Jones report, five of these sites are located in the current Project Area. Dean-Jones' assessment noted that there was a high site density across their assessment area. Dean-Jones noted specifically that test excavation would be warranted at AHIMS #38-4-0169 where artefacts were clearly imbedded within A horizon soils as opposed to on the surface.

Dean-Jones noted that the sites provided good evidence of occupation of local micro environments. Dean-Jones' recommendations noted that the Winding Creek catchment within the assessment contained a significant and little researched part of the archaeological resource of the Lake Macquarie hinterland.

### **Archaeological Survey and Assessment: Construction of the West Wallsend Sewage Transportation Scheme (Effenberger, 1997)**

Effenberger completed a test excavation of the land to the south of the Project Area as part of works to support development of the Glendale Athletics facility. Test excavation included AHIMS # 38-4-0173. The test excavation identified a low density artefact scatter composed of nine artefacts across a 10,000 m<sup>2</sup> area. Artefacts identified included a variety of raw materials including chert, mudstone, silcrete and quartzite. Artefacts also included a scraper tool as well as one backed artefact exhibiting retouch and usewear.

Effenberger recommended that sites identified by Dean-Jones to the north of Winding Creek be preserved. Effenberger recommended that the three sites investigated by Effenberger's works (AHIMS #38-4-0174, AHIMS # 38-4-0173 and 38-4-0175) be subject to a Section 90 consent to destroy.

### **Glendale Land Release Aboriginal Heritage Assessment (ERM, 2007)**

ERM surveyed approximately 33.5 hectares of the Glendale Release Area (encompassing the northern part of the current Project Area) in 2007. The survey identified that the assessment area included a variety of landforms including ridges, flats and gullies/creeks. No new archaeological sites were recorded within the survey area. Three of the original sites identified by Dean-Jones in 1989 were relocated; these being AHIMS #38-4-0167, 38-4-0169, and 38-4-1068.

The detection of sites within the assessment area was impeded by the level of vegetation coverage and the lack of exposure; ground surface visibility was generally restricted to areas of erosion along tracks, creek banks and occasional areas of exposure. Despite targeted searches, AHIMS #38-4-0170 and 38-4-0171 were not relocated. The sites which were able to be relocated were noted to be in generally poor condition due to ongoing disturbance and erosion, with artefacts resting on exposed B horizon clays.

The report concluded that the assessment area, particularly within 100m of Winding Creek, had moderate research/scientific potential; this was attributed to the density of artefacts and the location of all five formally identified sites being registered within 75m of the creek. ERM concluded that deposits containing relatively large numbers of artefacts are likely to be present close to Winding Creek, particularly on ridges and flats adjacent to the creek.



Any development within 100m of Winding Creek was considered likely disturb an archaeologically sensitive area with a moderate to high potential for archaeological deposits. ERM recommended that a conservation area surrounding Winding Creek be established to protect this area from future development.

#### **Lake Macquarie Transport Interchange (RPS, 2014)**

RPS was engaged by Lake Macquarie City Council to prepare an ACHAR to support development of the Lake Macquarie Transport Interchange (LMTI). Assessment included areas of land located in-between the current Project Area. Assessment identified that large portions of the assessment area had been subject to previous disturbance and modification. RPS identified one new Aboriginal site within their assessment area, which was a scarred tree.

Four previously registered sites were noted to be within or in close proximity to the RPS assessment area. Two of the sites were revisited during the survey. Site AHIMS # 38-4-0172 was relocated approximately 100m north-west of the plotted location of the coordinates as was registered on AHIMS. The site was confirmed to remain valid. Assessment noted that AHIMS # 38-4-0172 was not located within the impact footprint of the LMTI and would not be subject to impact as part of the proposed works.

The registered site location of AHIMS # 38-4-0174 was surveyed however the artefact was unable to be relocated. Based on the period of time that had occurred since the original recording it was assumed that the artefact had been moved by post-depositional processes. AHIMS #38-4-0171 and AHIMS # 38-4-0175 were unable to be accessed by RPS due to existing fencing and dense vegetation which was considered likely to have limited ground surface visibility.

The RPS assessment noted that the assessment area in general showed evidence of Aboriginal occupation and land use in the immediate area. Assessment supported the identification that more permanent occupation sites were more likely to be situated closer to permanent resources including creek lines. The survey was noted to confirm the archaeological sensitivity of the landforms near Winding Creek.

Of the five sites assessed by RPS, the majority were assessed to demonstrate low archaeological significance (AHIMS # 38-4-0172, AHIMS # 38-4-0174, AHIMS # 38-4-0175 and RPS Glendale ST 1), one site AHIMS # 38-4-0171 was assessed to demonstrate moderate archaeological significance at a local level. Of the identified sites, all except AHIMS # 38-4-0172 would be subject to harm as part of the proposed works.

RPS also provided recommendations in relation to the area of archaeological sensitivity previously identified by ERM (2007) which overlapped with their project area. It was proposed that the area be inspected by RAPs and a qualified heritage consultant after vegetation had been removed and testing of the deposit be undertaken under an approved AHIP.

#### **Glendale Land Release Heritage Constraints Assessment (ERM, 2015)**

ERM prepared a constraints assessment based on a desktop review of the previous investigations undertaken within the study area (including Dean-Jones, 1989, Effenberger, 1997 and ERM, 2007), and was supplemented by a one-day site inspection. The study area encompassed the northern part of the current Project Area. It was stated that the greatest potential for sub-surface artefact scatters is on the ridges and flats adjacent to Winding Creek, and mature trees of an age to bear cultural scars (>100 years) occur within the northern portion of the study area, primarily along the Winding Creek riparian corridor.

As such, the area within 100m of Winding Creek (encompassing the creek and adjacent ridges and flats) was identified as having high archaeological potential and was heavily constrained, providing limited development opportunities. The slopes and flats greater than 100m to the north of Winding Creek were largely identified as having moderate heritage constraints.

Those areas that had been previously disturbed, including the old cricket pitch and clearings to the east of the Hunter Sports ovals and Manella Park, were identified as having little to no archaeological potential and the greatest opportunity for development.

It should be noted that mapping completed as part of this assessment appears to incorporate several inconsistencies in the locations of the registered Aboriginal sites compared with the information provided in the earlier Dean-Jones (1989) and ERM (2007) report.

### **Wallsend Rezoning Aboriginal Heritage Study (KNC, 2020)**

Kelleher Nightingale Consulting (KNC) prepared an Aboriginal heritage study of approximately 592 hectares of land across the suburbs of Wallsend, Elmore vale, Glendale, Cameron Park and Edgeworth (the southern boundary of which is located approximately 400m to the north of the current Project Area). The purpose of the study was to identify Aboriginal heritage opportunities and constraints associated with the proposed re-zoning and eventual development of the area.

A visual inspection was undertaken for the assessment. The majority of the study area was covered by open forest and woodland native vegetation; the visual inspection area comprised undulating country with steep slopes, and deep creek gullies. The visual inspection resulted in the identification of eight previously unrecorded Aboriginal archaeological sites (including artefact scatters, isolated finds, and two modified trees) and five areas of Potential Archaeological Deposit (PAD) within the study area in a variety of landforms. The context of these sites was consistent with predictions for the study area; within the wider region, level, elevated areas in proximity to water courses and elevated ridge landforms are archaeologically sensitive. Previously disturbed areas from coal mining, construction and maintenance activities were considered to have low to no archaeological potential.

It was concluded that a total of 15 Aboriginal sites existed within the study area and the rezoning would enable subsequent development and land use that may potentially impact on objects, archaeological sites, and areas of Aboriginal cultural heritage value. It was concluded that further archaeological assessment was required if impact avoidance was not possible.

### 3. HISTORIC LAND USE

#### 3.1 Early Non-Indigenous Exploration

The area surrounding Lake Macquarie was the subject of settlement activity during the early 1830s, with timber getting and coal mining being the major industries. To the south of the project area, the NSW heritage listed Cardiff Railway Workshops were constructed from 1928 and were originally operated as a maintenance and repair facility by the NSW State Government railway authority. The last steam boiler to be overhauled at the Workshops occurred in 1970 and was closed for Government service in the late twentieth century. The Workshops have now been re-commissioned and modified by the EDI Rail Division of Downer EDI Limited.

The Workshop site and surrounding lands (encompassing the Project Area) remained heavily vegetated and had not been impacted by development prior to the construction of the Workshops in 1924. Aerial photographs of the Project Area indicate that by the mid twentieth century, large trees were removed and tracks were established throughout the northern area. Additionally, the establishment of sporting facilities would have resulted in the destruction of scarred or carved trees and may have also caused the disturbance of subsurface deposits (Figure 3.1).

The Project Area encompasses sporting facilities including Maneela Oval and a raised former cricket pitch; the level of disturbance in these areas is high. Maneela Oval (within the north-western portion of the study area) was also associated with the former Cardiff Railway Workshops. In 1978 Cardiff Australian Rules football club began using Maneela Oval as its home ground, by arrangement with Lake Macquarie Council (who leased the site from State Rail) and included change rooms and other structures that are now demolished. The grounds were also reported to have been utilised by the Sulphide Welfare softball club. The area has not been used for over a decade and is no longer maintained as a sporting ground.

The raised former cricket pitch is present within the southern portion of the project area (to the south of Stockland Drive). It has been impacted with fill materials (approximately 2.5m deep) containing rail sleepers, construction and demolition waste (SMEC, 2013). This area was also associated with a cricket pavilion, canteen, toilet block, nets and ladies change shed.

Geotechnical work undertaken by Coffey Geosciences (2006) included two boreholes, in the north-east and south-west of the Project Area. These boreholes indicated that, in these areas, soil is a silty clay fill down to 0.4-1m, overlying clay. This further indicates past disturbance across portions of the Project Area. While alluvial soil may potentially occur along Winding Creek, it is suggested that away from this area, significant stratified archaeological deposits are less likely to occur (RPS, 2014).

The population expansion in the Newcastle area has resulted in increasing development in the Lake Macquarie area, including residential development, and the construction of roads and associated infrastructure. The Project Area is adjacent to the Stockland Glendale shopping centre (opened in 1996), the Hunter Sports Centre and a network of main roads, which indicates disturbance throughout the study area and on its peripheries (Figure 3.2). In 2017, as part of Stage 1 of the Lake Macquarie Transport Interchange (LMTI) project, Glendale Drive and Stockland Drive were extended and realigned (Figure 3.3) (Lake Macquarie City Council, 2022). The extension of Glendale Drive over Winding Creek involved vegetation clearance and disturbance to this area.

The remaining portions of the Project Area are heavily vegetated and appear to remain relatively undisturbed; there is a chance that subsurface deposits may remain intact and any mature trees that have not been cleared still have the potential to bear cultural scars.





**Figure 3.1 1954 aerial showing the Project Area as largely undeveloped (NSW Historical Imagery Viewer).**



**Figure 3.2 2001 aerial of the Project Area, showing Stockland Glendale and Hunter Sports Centre to the west (NSW Historical Imagery Viewer).**





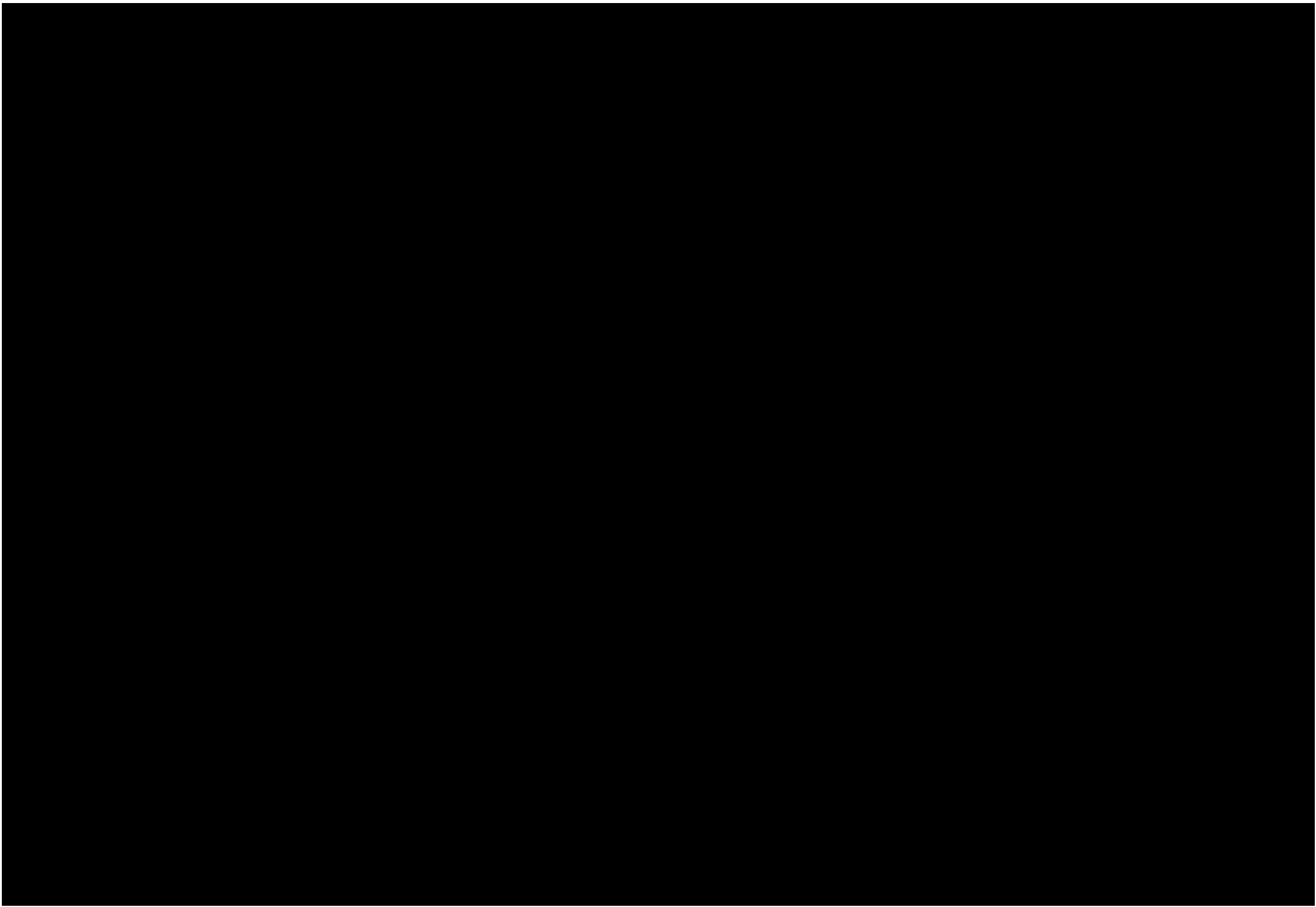
**Figure 3.3 Current aerial of the project area, showing the extension and realignment of Glendale and Stockland Drives (Google Earth).**

### 3.2 Preliminary Predictive Statements

Based on the review of the existing environmental, archaeological and historical land use, and comparative studies, the following predictions are made for Aboriginal cultural heritage in the Project Area:

- Evidence of Aboriginal occupation is most likely to be found within close proximity to Winding Creek;
- Visibility across the Project Area is likely to be low. Aboriginal sites are most likely to be identified in areas of erosion and exposure;
- Stone artefact sites (scatters and isolated finds) are most likely site type to be located within the Project Area. Artefact sites are considered likely to be located on ridges and flat environments in close proximity to Winding Creek;
- A limited number of scarred trees are likely to be present within the Project Area;
- As high quality stone outcropping locations have not been identified in the Project Area it is unlikely that stone quarry sites, shelter sites, rock art/engravings and axe grinding grooves would occur; and
- It is unlikely that burials will occur within the Project Area because recorded burials in the vicinity of Lake Macquarie indicate that they are more likely to occur in middens in the soft sand of the beach.

Preliminary cultural heritage sensitivity mapping is provided in Figure 3.4. Ground truthing will be required to adequately categorise the archaeological and cultural sensitivity of the Project Area.



## 4. FIELD INVESTIGATION METHODOLOGY

Archaeological survey of the Project Area would occur over a 2-day period and will aim to investigate all landform features. Survey will further aim to ground truth the presence of all registered sites within the Project Area.

Due to the general lack of visibility across the majority of the site, ERM proposes to undertake the archaeological survey utilising a sample survey approach, in accordance with the following conditions:

- A site meeting will be held with the RAPs at the commencement of each field survey day, to discuss sensitive landforms or locations within the Project Area boundary, proposed survey areas, and any relevant cultural information;
- The survey will consist of all participants traversing the Project Area using transects. Transect spacing will vary across the survey area based on the level of archaeological potential identified during predictive modelling, level of ground surface visibility, and feedback provided by the RAPs. Areas of high archaeological potential and/or higher levels of ground surface visibility would be subject to a more detailed ground survey;
- Survey will be limited to areas that can be traversed. Where ground visibility is low or nil, a sample survey approach, that focuses on areas of exposure would be implemented;
- The location of previously recorded Aboriginal sites within the Project Area will be surveyed in detail to ascertain the present status of the site;
- If identified, any identified objects will be recorded in situ and will remain on site. Future management recommendations for identified objects will be developed in consultation with RAPs; and
- Any cultural heritage information for the Project Area which may be identified by RAPs during the field survey would be recorded. This information would be treated in confidence and distributed in accordance with their wishes.

### 4.1 Aboriginal Stakeholder Involvement

It is proposed that the survey team would consist of two archaeologists and RAP representatives each day. It is noted that due to the number of RAPs for this project it is unlikely that all groups would be able to participate in the field survey.

It would be the site archaeologist's responsibility to perform all photographic tasks and to ensure that site context and recording data is completed in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b) and this methodology.

## 5. ACHAR METHODOLOGY

The ACHAR will be prepared in accordance with the Heritage NSW *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements) (DECCW, 2010a), and the Code of Practice and would include the following steps:

### 5.1 Background Research and Predictive Modelling

A background assessment will review and analyse existing background information to gain a contextual understanding of the cultural landscape associated with the Project Area. Review of background information will include assessment of environmental information, former historic land use, available ethnographic information, as well as existing registered Aboriginal heritage sites and reports.

### 5.2 Aboriginal Community Consultation

Aboriginal community consultation for the project is proceeding in accordance with the consultation requirements which involves the following four key steps:

- **Stage 1:** Notification of project proposal and registration of interest;
- **Stage 2:** Presentation of information about the proposed project;
- **Stage 3:** Gathering information about cultural significance; and
- **Stage 4:** Review of draft cultural heritage assessment report.

Stage 1 has been completed and included the following steps:

- Placement of a public advertisement in the Newcastle Herald (published 2 March 2023);
- Liaison with relevant legislative bodies to identify potentially interested parties; and
- Liaison with potential interested parties identified to invite them to register an interest in the project.

**Stage 2 and Stage 3** is currently underway and includes the preparation of the current document to present information regarding the proposed project and assessment methodology. This document also requests information regarding the cultural significance of the Project Area. Feedback on this document will be requested within 28 days of its issue to RAPs.

**Stage 4** would involve the provision of the Draft ACHAR for review. The Draft ACHAR would provide a summary of the identified Aboriginal heritage values identified and the assessed impacts associated with the development. The report would also identify mitigation and management measures. The review of the Draft ACHAR would request feedback to confirm that the cultural values of the Project Area have been adequately identified and that the proposed management and mitigation measures for any impacts are appropriate.

### 5.3 Identification and Assessment Cultural Values

The identification and assessment of cultural values would be completed using a combination of consultation with RAPs and field investigation:

- Field investigation for the current project is proposed to involve a field survey component as detailed above;
- Identification of cultural values will be undertaken in consultation with the RAPs. Where possible information on identified cultural values will be supplemented by the identification of cultural values through the review of previous reporting and publicly available information; and



- Assessment of cultural values will include consideration of Social, Historical, Aesthetic and Scientific values within the Project Area.

## 5.4 Assessment of Harm

Following the identification of Aboriginal cultural values, an impact assessment will be completed to identify whether any Aboriginal Objects, Places or cultural values will be harmed by the proposed works.

Where harm is identified which cannot be avoided, recommendations to manage and mitigate the harm will be proposed.

## 5.5 Assessment Timeframes

Proposed timing for completion of tasks associated with both field investigation and the ACHAR are provided below.

**Table 2 Assessment Timeframes**

Assessment step	Description	Indicative start	Proposed (and statutory) timeframe
Stage 1 – consultation process	Development of RAP list through: Feedback from government bodies Placement of adverts in the Armidale Express. Contacting parties identified by government bodies	Mid-February 2023	6 weeks (minimum 14 days from placement of adverts and invitation to register)
Stage 2 and Stage 3 – consultation process	Development and review by RAPs of project information and proposed assessment methodology. This stage includes review of the field survey methodology. Provision of RAP list to Biraban Local Aboriginal Land Council (LALC) and Heritage NSW	End April 2023	28 days
Revision of assessment methodology based on RAP comments	Updates to methodology based on feedback received during RAP review	Early May 2023	1 week
Field program	Field survey	Mid May 2023	2 days
Post field reporting	Completion of ACHAR	June 2023	2-4 weeks
RAP review of draft ACHAR	Issued to RAPs for review	June-July 2023	28 days
Finalisation of ACHAR		July 2023	2 weeks

## 6. FEEDBACK

ERM requests that you review and provide feedback on this information package and express your interest in participating in the fieldwork program by **28 April 2023**.

As part of your response ERM asks you to consider:

- a) whether there are any Aboriginal objects of cultural value to Aboriginal people in the Project Area or surrounds; and
- b) whether there are any places of cultural value to Aboriginal people in the Project Area or surrounds.

Any cultural knowledge provided by Aboriginal Stakeholders will be treated in confidence and the information will be distributed according to their wishes.

If you wish to be involved in the site survey, please include copies of your public liability and worker's compensation insurance as part of your expression of interest.

Please provide feedback to **Victoria Cottle** at the following contact details:

**Post: PO Box 803, Newcastle, NSW 2300**

**Phone: (02) 4903 5500**

**Email:** [REDACTED]

Yours sincerely,  
For Environmental Resources Management Australia Pty Ltd

[REDACTED]

[REDACTED]

Project Archaeologist

## 7. REFERENCES

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## APPENDIX I      AHIMS SEARCHES AND SITE CARDS



☒ New recording

☐ Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88

38-4-0167

1:250,000 map sheet: <u>Newcastle</u>		NPWS Code
AMG Grid reference <u>                    </u> mE <u>                    </u> mN Full reference - please include leading digits		
Scale of map used for grid reference <input type="checkbox"/> 25K, 50K (preferred) <input type="checkbox"/> 100K <input type="checkbox"/> 250K Please use largest scale available		
1:25K, 50K, 100K map name: <u>WallSEND 1:25000</u>		
Site name: <u>Winding Creek (Glenade) Site</u> Locality/property name:		HEAD OFFICE USE ONLY: NPWS Site no: <u>38-4-167</u> Site types: <u>OPEN</u> Accessioned by: <u>RCM</u> Date: <u>15-1-90</u> Data entered by: <u>W.M.</u> Date: <u>15-1-89</u> Owner/Manager: <u>State Rail Authority</u> Address: <u>Cardiff Workshops.</u>
NPWS District: <u>Lower Hunter</u> Region: <u>Central</u>		
Reason for investigation <u>Environmental investigation of vacant SRA land for possible future development.</u>		
Portion no. Parish:		
		Photos taken? <u>Yes</u> How many attached?
<div style="background-color: black; height: 100px; width: 100%;"></div>		
Other sites in locality? <u>Yes</u> Are sites in NPWS Register?		Site Types include: <u>open campsites, isolated artefacts, scattered tree.</u>
Have artefacts been removed from site? <u>NO.</u> By whom?		When? Deposited where?
Is site important to local Aborigines? Give contact(s) name(s) + address(es) <u>Paul Gordon, Awabakal co-operative, Newcastle.</u>		
Contacted for this recording? <u>Yes.</u> (Attach additional information separately) If not, why not?		
Verbal/written reference sources (including full title of accompanying report). <u>No references to the sites in this area in other reports.</u> Report Title: <u>Archaeological survey at Glenade</u>		NPWS Report Catalogue # <u>C-1672</u>
Checklist: surface visibility, damage/disturbance/ threat to site	Condition of site: <u>Present surface visibility is 100%, but the surface exposed is A<sub>2</sub> rather than A<sub>1</sub>, horizon due to considerable sheet erosion, also possibly flood scour. The area is frequented by trail bikes.</u>	
Recommendations for management & protection (attach separate sheet if necessary): <u>To be included in protection zone along winding ck, which would also serve for flexible flood management. Likely to be one of many sites close to creek.</u>		
Site recorded by: <u>Paul Dean-Jones</u> Address/institution: <u>137 Skye Point Rd. Coal Point 2283</u>		Date: <u>Nov. 1989.</u>

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

- Land form a. beach/hill slope/ridge top, etc: b. site aspect: S c. slope: <2%  
d. mark on diagram provided or on your own sketch the position of the site: e. Describe briefly: artefacts scattered on surface of hardsetting, brittle, A2 horizon of floodplain alluvium, which extends approx 50m N from Winding Ck.  
f. Local rock type: mudstone, conglomerate upstream g. Land use/effect: unused bushland, but undisturbed extensively disturbed.
- Distance from drinking water: 5-50m. Source: Winding Ck.
- Resource Zone associated with site (estuarine, riverine, forest etc): riverine + open woodland.
- Vegetation: Scribbly gum, angophora costata and grey ironbark, Melaleuca thicket occurs adjacent to the drainage line.
- Edible plants noted:
- Faunal resources (include shellfish): fresh water mussels platypus recorded in this creek 10 yrs ago terrestrial fauna now absent would include wallaby, possum etc.
- Other exploitable resources (river pebbles, ochre, etc): possible sources of indurated mudstone / tuff.

Site type:

Open campsite.

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

Six pieces of flaked stone scattered across an eroding floodplain surface adjacent to winding Ck. The cleared area is approx. 100m x 50m, with scattered large trees, but zero groundcover. Trees are standing on pedestals of upper alluvium, & B horizon is exposed at surface - up to 40cm of upper alluvium may have been removed.

Artefacts: red silicate flake 6.0 x 2.7 x 1.5 cm  
grey-buff mudstone flake 3.3 x 2.4 x 0.9 cm  
grey-buff mudstone fp. 3.7 x 2.1 x 0.9 cm  
red indurated tuff (fine crystalline) multiplatform core 3.5 x 3.3 x 2.3 cm  
pink silicate fp / pot lid 2.2 x 2.1 x 1.3 cm.

### CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.

QUARRIES: rock type, debris, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.





# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88

NPWS Code

1:250,000 map sheet:

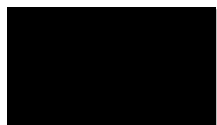
Newcastle

HEAD OFFICE USE ONLY:

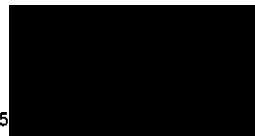
NPWS Site no: 38.4-168Site types: OPENAccessioned by: R. Ellis Date: 15.1.89Data entered by: W.M. Date: 15.1.89Owner/Manager: State Rail Authority  
Address: Cardiff Rail Workshops

AMG Grid reference

Full reference - please include leading digits



mE



mN

Scale of map used for grid reference ☒ 25K, 50K (preferred) ☐ 100K ☐ 250K  
Please use largest scale available1:25K, 50K, 100K map name: WallSEND 1:25000Site name: Winding ck Glendate site 5 Locality/property name.NPWS District: Lower Hunter Region: CentralReason for investigation: Environmental investigation of vacant SDA land for possible future development

Portion no:

Parish:

Photos taken? YesHow many attached? (in report)Other sites in locality? Yes

Are sites in NPWS Register?

Site Types include: Open campsites, isolated artifacts, scarred tree.Have artefacts been removed from site? No.

By whom?

When?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es) Paul Gordon, Awabatal Co-operative, Newcastle.Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report)

Report of an archaeological survey at Glendate NSW.

NPWS Report Catalogue #

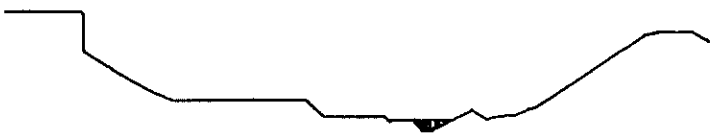
C-1672Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

Surface visibility of track surface is good, but there is both sheet, silt erosion. Off the track, 70-100% ground cover protects the surface & reduces visibility.

Recommendations for management &amp; protection (attach separate sheet if necessary):

Area within 50m of Winding ck including this & several other sites on floodplain & low fences should be maintained as open space (bushland) & not included in any intensive development of the remainder of the study area.Site recorded by: Pam Dean-JonesDate: November 1989.Address/institution: 137 Skye Point Rd. Coal Point 2283

<b>SITE POSITION &amp; ENVIRONMENT</b>		<b>OFFICE USE ONLY: NPWS site no:</b>	
1. Land form a. beach/hill slope/ridge top, etc:		b. site aspect:	
c. slope:		d. mark on diagram provided or on your own sketch the position of the site:	
e. Describe briefly:			
f. Local rock type:		g. Land use/effect:	
2. Distance from drinking water:		Source:	
3 Resource Zone associated with site (estuarine, riverine, forest etc):			
4 Vegetation:			
5 Edible plants noted:			
6 Faunal resources (include shellfish)			
7 Other exploitable resources (river pebbles, ochre, etc).			
Site type <div style="font-family: cursive; font-size: 1.2em; margin-top: 5px;">OPEN</div>		<b>DESCRIPTION OF SITE &amp; CONTENTS.</b> Note state of preservation of site & contents Do NOT dig, disturb, damage site or contents.	
<b>CHECKLIST TO HELP</b> length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock. <b>DEPOSIT:</b> colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types. <b>ART</b> area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no of figures, sizes, patination. <b>BURIALS:</b> number & condition of bone, position, age, sex, associated artefacts. <b>TREES:</b> number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth <b>QUARRIES</b> rock type, debris, recognisable artefacts, percentage quarried. <b>OTHER SITES EG.</b> structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate		Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate north, show scale. Attach annotated photos (stereo where useful) showing scale, particularly for art sites.	





# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88

NPWS Code

1:250,000 map sheet: Newcastle

AMG Grid reference

Full reference - please include leading digits



mE



mN

Scale of map used for grid reference [ ] 25K, 50K (preferred) [ ] 100K [ ] 250K  
Please use largest scale available

1:25K, 50K, 100K map name: WallSEND 1:25000

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-169Site types: openAccessioned by: REHM Date: 15-1-90Data entered by: REHM Date: 15-1-90Owner/Manager: State Rail AuthorityAddress: Cardiff WorkshopsSite name: Winding Ck Glendale Site 2 Locality/property name.NPWS District: Lower Hunter Region: CentralReason for investigation: Environmental investigation of vacant SRA land for possible future development.

Portion no:

Parish:

Photos taken? Yes.

How many attached?

Other sites in locality? Yes.

Are sites in NPWS Register?

Site Types include: Open campsites, isolated artefacts, scarred tree.Have artefacts been removed from site? No.

When?

By whom?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es) Paul Gordon, Awabakal co-operative, Newcastle.Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of an archaeological survey at Glendale, NSW.

NPWS Report Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

The artefacts are exposed on the track surface, & embedded in the A horizon. The surface is disturbed by wheel tracks & rilling.

Recommendations for management &amp; protection (attach separate sheet if necessary):

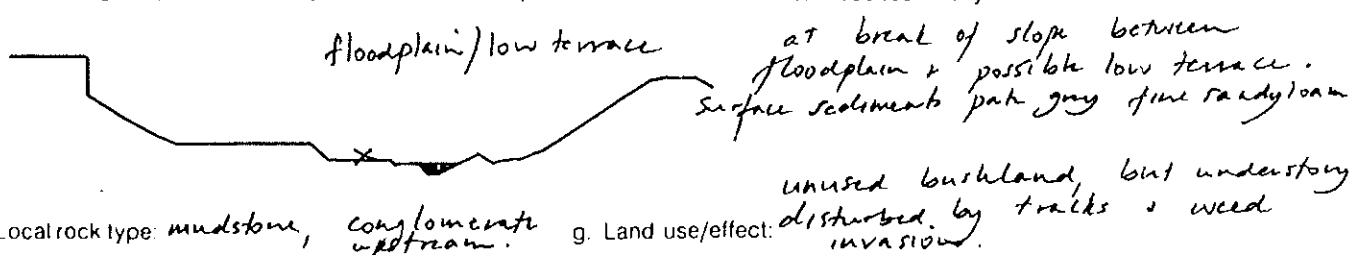
To be included in protection zone along Winding Ck. It is likely other sites are located in this area, but not visible away from present tracks. This site also warrants test excavation.

Site recorded by: Pam Dean-JonesDate: November 1989.Address/institution: 137 Skye Point Rd. Coal Point 2283

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc: b. site aspect: S c. slope:  $< 2\%$   
d. mark on diagram provided or on your own sketch the position of the site: e. Describe briefly:



2. Distance from drinking water approx 20m. Source: Winding ck.  
3. Resource Zone associated with site (estuarine, riverine, forest etc): Riverine and open woodland.  
4. Vegetation: Open woodland (E haemostoma, A. costata, E. ~~platyphylla~~ <sup>paniculata</sup>) with Melaleuca thicket + privet along drainage line.

5. Edible plants noted

6. Faunal resources (include shellfish)

7. Other exploitable resources (river pebbles, ochre, etc) pebbles are possible, but unlikely sources of flaking materials, which may be obtained from local outcrop.

Site type

Open campsite

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

CHECKLIST TO HELP  
length, width, depth,  
height of site, shelter,  
deposit, structure,  
element eg. tree scar,  
grooves in rock.

DEPOSIT: colour,  
texture, estimated  
depth, stratigraphy,  
contents-shell, bone,  
stone, charcoal, density  
& distribution of these,  
stone types, artefact  
types.

ART area of surface  
decorated, motifs,  
colours, wet, dry  
pigment, technique of  
engraving, no. of  
figures, sizes,  
patination.

BURIALS: number &  
condition of bone,  
position, age, sex,  
associated artefacts.

TREES: number, alive,  
dead, likely age, scar  
shape, position, size,  
patterns, axe marks,  
regrowth

QUARRIES rock type,  
debris, recognisable  
artefacts, percentage  
quarried.

OTHER SITES EG.  
structures (fish traps,  
stone arrangements,  
bora rings, mia mias),  
mythological sites, rock  
holes, engraved groove  
channels, contact sites  
(missions massacres  
cemeteries) as  
appropriate

52 flakes/flaked pieces recorded over an area of about 15 sq. metres. All archaeolog. material appears to be in top 15cm - handstratting, grey, apedal massive sandy loam; not in yellowish-grey clay subsoil. Flakes are almost exclusively yellow chert & there is a high proportion of flaked pieces, also numerous very small fragments. A few flakes only have cortex visible on exterior surfaces. There is one backed piece. The artefacts are clustered into groups - over the edge of the low embankment, right on the edge, etc. Measurements of all pieces of flaked stone, and some sketches are provided in the report.

Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.

[✓] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444.  
Standard Site Recording Form Revised 5/88



38-4-0170

1:250,000 map sheet: <u>Newcastle</u>		NPWS Code
AMG Grid reference	<u>mE</u>	<u>mN</u>
Full reference - please include leading digits		
Scale of map used for grid reference	<input type="checkbox"/> 25K, 50K (preferred)	<input type="checkbox"/> 100K <input type="checkbox"/> 250K
Please use largest scale available		
1:25K, 50K, 100K map name:	<u>Wallend 1:25000</u>	
Site name: <u>Winding Ck Gtendate</u>	Locality/property name:	
NPWS District: <u>Lower Hunter</u>	Region: <u>Central</u>	
Reason for investigation: <u>Environmental investigation of vacant SRA land for possible future development.</u>		
Portion no:		
Parish:		
	Photos taken? <u>No</u>	
	How many attached?	
<div style="background-color: black; height: 50px; width: 100%;"></div>		
Other sites in locality? <u>Yes</u>	Site Types include: <u>Open campsites, isolated artefacts, scarred tree.</u>	
Are sites in NPWS Register?		
Have artefacts been removed from site? <u>No</u>	When?	
By whom?	Deposited where?	
Is site important to local Aborigines?		
Give contact(s) name(s) + address(es)	<u>Paul Gordon, Arakwal co-operative, Newcastle.</u>	
Contacted for this recording? <u>Yes</u>		
(Attach additional information separately) If not, why not?		
Verbal/written reference sources (including full title of accompanying report):		NPWS Report Catalogue #
<u>Archaeological survey at Gtendate, NSW.</u>		<u>C-1672</u>
Checklist: surface visibility, damage/disturbance/ threat to site	Condition of site: <u>on track along northern side of winding creek, on low terrace.</u>	
Recommendations for management & protection (attach separate sheet if necessary):		
<u>To be included in protection zone along winding creek, which would be maintained in bushland condition.</u>		
Site recorded by: <u>Pam Dean-Jones</u>	Date: <u>November 1989.</u>	
Address/institution: <u>137 Skyr Point Rd, Coal Point 2283</u>		

+

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

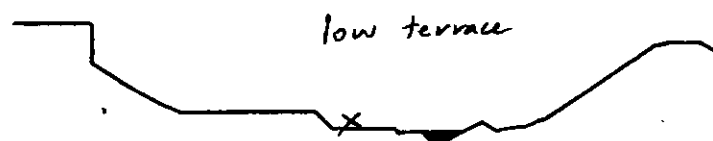
1. Land form a. beach/hill slope/ridge top, etc:

b. site aspect: S

c. slope: < 2 %

d. mark on diagram provided or on your own sketch the position of the site:

e. Describe briefly:



f. Local rock type: indurated mudstone

g. Land use/effect: unused bushland, undisturbed

2. Distance from drinking water: 25 metres.

Source: Winding Creek

3. Resource Zone associated with site (estuarine, riverine, forest etc): Riverine, open woodland.

4. Vegetation: Open woodland: E haemostoma, E protea paniculata, Angyphora castata.

5. Edible plants noted:

6. Faunal resources (include shellfish): Would have been fresh water mussel, tortoise, platypus in creek, but now heavily eroded banks & sedimentation in floor.

7. Other exploitable resources (river pebbles, ochre, etc): possible local source of flakeable indurated mudstone

Site type:

Open campsite

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

yellow chert flaked piece 2.2 x 2.0 x 0.5cm, previous flake scars

yellow chert flake 3.6 x 2.4 x 0.8cm, previous flake scars.

Then two artefacts were located ~ 100m east along the track from the ~~Winding~~ dense concentration of flaked material at site 2. Both are situated on the low terrace, and occupation may have extended between the two.

CHECKLIST TO HELP:  
length, width, depth,  
height of site, shelter,  
deposit, structure,  
element eg. tree scar,  
grooves in rock.

DEPOSIT: colour,  
texture, estimated  
depth, stratigraphy,  
contents-shell, bone,  
stone, charcoal, density  
& distribution of these,  
stone types, artefact  
types.

ART: area of surface  
decorated, motifs,  
colours, wet, dry  
pigment, technique of  
engraving, no. of  
figures, sizes,  
patination.

BURIALS: number &  
condition of bone,  
position, age, sex,  
associated artefacts.

TREES: number, alive,  
dead, likely age, scar  
shape, position, size,  
patterns, axe marks,  
regrowth.

QUARRIES: rock type,  
debris, recognisable  
artefacts, percentage  
quarried.

OTHER SITES EG.  
structures (fish traps,  
stone arrangements,  
bora rings, mia mias),  
mythological sites, rock  
holes, engraved groove  
channels, contact sites  
(missions massacres  
cemeteries) as  
appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.





[✓] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88

38-4-0171

1:250,000 map sheet:

Newcastle

NPWS Code

AMG Grid reference

Full reference - please  
include leading digits



mE



mN

Scale of map used for grid reference  
Please use largest scale available

☒ 25K, 50K (preferred) [ ] 100K [ ] 250K

1:25K, 50K, 100K map name: Wallsend 1:25,000

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-171

Site types: Open

Accessioned by: RCH Date: 15-1-90

Data entered by: RCH Date: 15-1-90

Owner/Manager: State Rail Authority

Address: Cardiff rail workshops.

Site name: Winding Ck, Akendate Site 4. Locality/property name:

NPWS District: Lower Hunter Region: Central

Reason for investigation: Environmental investigation of vacant SRA land for possible future development.

Portion no:

Parish:

Photos taken? Yes.

How many attached? (in report).

Other sites in locality? Yes.  
Are sites in NPWS Register?

Site Types include: Open landscape, isolated artefacts, scattered trees

Have artefacts been removed from site? No.  
By whom?

When?  
Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es) Paul Gordon, Aboriginal cooperative, Newcastle.

Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of an archaeological survey at Akendate NSW.

NPWS Report Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

site is on a footpath along the right bank of Winding Ck, which is actively eroding at this point.

Recommendations for management &amp; protection (attach separate sheet if necessary):

To be included in protection zone along Winding Ck, which would be maintained in bushland condition

Site recorded by: Pam Dean-Jones

Date: November 1989.

Address/institution:

137 Skye Point Rd. Coal Point 2283

+

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach / hill slope / ridge top, etc:

b. site aspect: S

c. slope: < 2%

d. mark on diagram provided or on your own sketch the position of the site:

e. Describe briefly:

banks of incised channel are eroding. flaked stone located on bare upper alluvial surface adjacent to eroding bank.

f. Local rock type:

indurated mudstone / sandstone

g. Land use / effect:

unused bushland but this portion of track is easily accessed, clearly visible from road bridge.

2. Distance from drinking water:

5m

Source:

Winding Ck.

3. Resource Zone associated with site (estuarine, riverine, forest etc):

Riverine, open woodland.

4. Vegetation:

Cleared from site, Melaleuca thicket, and scribbly gum, myoporum, warbark, grey gum woodland nearby.

5. Edible plants noted:

6. Faunal resources (include shellfish):

7. Other exploitable resources (river pebbles, ochre, etc):

present stream bedload, exposure of old alluvium very different to prehistoric configuration

Site type:

Open campsite

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

A thin scatter of flakes & flaked pieces extending for about 30m along the track on the right bank of Winding Ck. The surface is pale grey-buff, hardsetting, speckled massive sandy loam & also includes large quantities of charcoal fragments, plus occasional stones.

9 artefacts: cream / pink chert, buff mudstone, grey mudstone, white quartz, pink siltite, pink-red siltite raw materials.

fp. 1.2 x 0.7 x 0.4 (cream pink chert)

flake 7.2 x 7.0 x 2.8cm (buff mudstone)

flake 2.2 x 0.9 x 0.3cm (grey mudstone)

flake 3.0 x 2.0 x 0.6cm (pale grey mudstone / chert)

fp (potlid) 2.0 x 2.7 x 0.4cm (gr. mudstone)

fp 2.4 x 2.5 x 0.9cm pink siltite

fp 1.5 x 1.3 x 1.1cm "

fp 1.3 x 1.4 x 0.4cm pink-red siltite.

ground cover extensive other than on track. photo in report.

### CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.

QUARRIES: rock type, debris, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.



[ ] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88

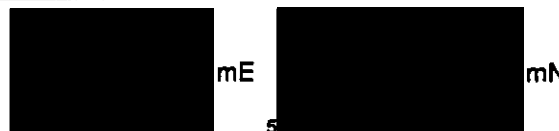


38-4-0172

1:250,000 map sheet: Newcastle NPWS Code

AMG Grid reference

Full reference - please include leading digits



Scale of map used for grid reference  
Please use largest scale available

☒ 25K, 50K (preferred) [ ] 100K [ ] 250K

1:25K, 50K, 100K map name: Wallasey 1:25000

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-172

Site types: SCARRED TREE

Accessioned by: RCH Date: 15.1.90

Data entered by: RCH Date: 15.1.90

Owner/Manager:

Address:

Site name: Winding Ck Glendale Site 6 Locality/property name:

NPWS District: Lower Hunter Region: Central

Reason for investigation: Environmental investigation of vacant SRA land for possible future development.

Portion no:

Parish:

Photos taken? Yes

How many attached? 1 in report.

Other sites in locality? Yes

Are sites in NPWS Register?

Site Types include: Open campsites, isolated artefacts

Have artefacts been removed from site? No.

By whom?

When?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es) Paul Gordon, Awabakal Co-operative, Newcastle

Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of an archaeological survey at Glendale NSW.

NPWS Report Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site: The tree is healthy, but surrounding area is considerably disturbed

Recommendations for management & protection (attach separate sheet if necessary):

The regarded as significant. Afforded some protection under LMCC tree preservation policy, but would require stronger protection if the area was developed. Land use proposals not currently determined.

Site recorded by: Pam Dean-Jones

Date: November 1989.

Address/institution:

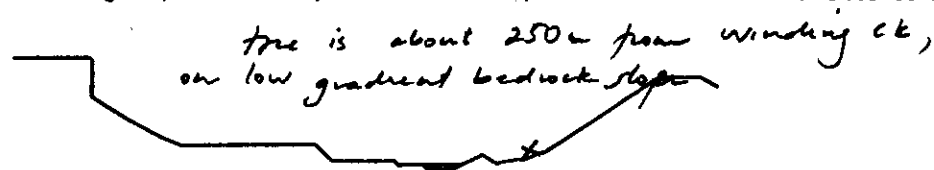
137 Skye Point Rd, Coal Point 2283

+

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc: *low gradient footslope.* b. site aspect: *N* c. slope: *5%*  
d. mark on diagram provided or on your own sketch the position of the site: e. Describe briefly:



- f. Local rock type: *lithic sandstone/mudstone* g. Land use/effect: *Adjacent to drain from tail workshop, surrounding industry cleared*  
2. Distance from drinking water: *200-250m* Source: *Winding ck.*  
3. Resource Zone associated with site (estuarine, riverine, forest etc): *Open woodland & small streams*  
4. Vegetation: *Scribbly gum, angophora, Grey mahogany (?) open woodland.*

5. Edible plants noted:

6. Faunal resources (include shellfish):

7. Other exploitable resources (river pebbles, ochre, etc): *subsoil may provide ochre, but probably would not have been exposed in prehistoric times*

Site type:

*SCARRED TREE*

CHECKLIST TO HELP:  
length, width, depth,  
height of site, shelter,  
deposit, structure,  
element eg. tree scar,  
grooves in rock.

DEPOSIT: colour,  
texture, estimated  
depth, stratigraphy,  
contents-shell, bone,  
stone, charcoal, density  
& distribution of these,  
stone types, artefact  
types.

ART: area of surface  
decorated, motifs,  
colours, wet, dry  
pigment, technique of  
engraving, no. of  
figures, sizes,  
patination.

BURIALS: number &  
condition of bone,  
position, age, sex,  
associated artefacts.

TREES: number, alive,  
dead, likely age, scar  
shape, position, size,  
patterns, axe marks,  
regrowth.

QUARRIES: rock type,  
debris, recognisable  
artefacts, percentage  
quarried.

OTHER SITES EG.  
structures (fish traps,  
stone arrangements,  
bora rings, mia mias),  
mythological sites, rock  
holes, engraved groove  
channels, contact sites  
(missions massacres  
cemeteries) as  
appropriate

DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

*Possible local flaking stone outcrops.*  
*Single scar, 167cm x 53cm wide at midpoint,*  
*on one of three trunks of large stringy bark/*  
*mahogany. Scribbly gum & angophora also*  
*common, but no evidence of scars.*

*Ground surface around tree is disturbed, & there is*  
*no evidence of artefacts.*

Attach sketches etc, eg. plan & section of shelter, show relation between site contents,  
indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.





[✓] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444.  
Standard Site Recording Form Revised 5/88



38-4-0173

1:250,000 map sheet:

Newcastle

NPWS Code

AMG Grid reference

Full reference - please include leading digits



mE



mN

Scale of map used for grid reference  
Please use largest scale available[✓] 25K, 50K  
(preferred)

[ ] 100K

[ ] 250K

1:25K, 50K, 100K map name: WallSEND 1:25 000

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-173

Site types: open

Accessioned by: RCH Date: 15-1-90

Data entered by: RCH Date: 15-1-90

Owner/Manager: State Rail Authority

Address: Cardiff Rail Workshops.

Site name: Winding Creek Glendale

Site 8

Locality/property name:

NPWS District: Lower Hunter Region: Central

Reason for investigation

Environmental investigation of vacant SRA land for possible future development.

Portion no:

Parish:

Photos taken? Yes. (locality)

How many attached? 1 in report

Other sites in locality? Yes

Are sites in NPWS Register?

Site Types include:

Open campsites, isolated artefacts, sand tree.

Have artefacts been removed from site?

By whom?

No.

When?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es)

Paul Gordon, Awabakal Co-op.

Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of An archaeological survey at Glendale NSW.

NPWS Report  
Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

Surface visibility on bare track surface is 100%, but elsewhere is &lt; 10%. Some sheet + will erosion of track surface.

Recommendations for management &amp; protection (attach separate sheet if necessary):

A 50m wide (approx) zone for protection of sites adjacent to the creek is recommended; This site would fall within the protection zone.

Site recorded by: Pam Dean-Jones

Date: NOV. 1989.

Address/institution: 137 Slys Point Rd. Coal Point.

# SITE POSITION & ENVIRONMENT

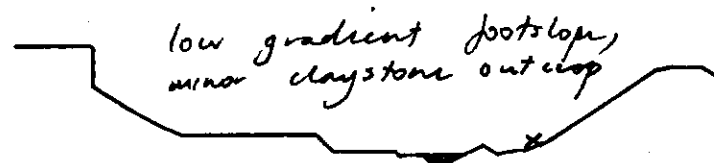
OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc:

b. site aspect: *North* c. slope: *5%*

d. mark on diagram provided or on your own sketch the position of the site:

e. Describe briefly:



f. Local rock type:

g. Land use/effect: *unused bushland, but underlying disturbed, & 'levee' constructed along LB of creek*

2. Distance from drinking water: *50 metres*

Source: *Winding Ck.*

3. Resource Zone associated with site (estuarine, riverine, forest etc): *Open woodland, riverine*

4. Vegetation: *Open eucalypt forest - scribbly gum, angophora, ironbark, melaleuca thicket close to drainages line.*

5. Edible plants noted:

6. Faunal resources (include shellfish):

7. Other exploitable resources (river pebbles, ochre, etc):

Site type:

*Open campsite*

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

*Artefacts scattered along about 10m of track, leading down low bedrock slope to the creek.*

*Some claystone outcrop*

*5 flakes, mostly pale buff claystone (ie likely to be local)  
indurated buff/siliceous flake 3.0 x 2.2 x 0.8 cm*

<i>pale buff claystone flake</i>	<i>3.2 x 2.7 x 0.9 cm</i>
<i>"</i>	<i>1.5 x 1.1 x 0.4 cm</i>
<i>"</i>	<i>1.7 x 1.1 x 0.3 cm</i>
<i>"</i>	<i>2.9 x 0.6 x 0.3 cm</i>

CHECKLIST TO HELP:  
length, width, depth,  
height of site, shelter,  
deposit, structure,  
element eg. tree scar,  
grooves in rock.

DEPOSIT: colour,  
texture, estimated  
depth, stratigraphy,  
contents-shell, bone,  
stone, charcoal, density  
& distribution of these,  
stone types, artefact  
types.

ART: area of surface  
decorated, motifs,  
colours, wet, dry  
pigment, technique of  
engraving, no. of  
figures, sizes,  
patination.

BURIALS: number &  
condition of bone,  
position, age, sex,  
associated artefacts.

TREES: number, alive,  
dead, likely age, scar  
shape, position, size,  
patterns, axe marks,  
regrowth.

QUARRIES: rock type,  
debris, recognisable  
artefacts, percentage  
quarried.

OTHER SITES EG.  
structures (fish traps,  
stone arrangements,  
bora rings, mia mias),  
mythological sites, rock  
holes, engraved groove  
channels, contact sites  
(missions massacres  
cemeteries) as  
appropriate

Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.



[X] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88



38-4-0174

1:250,000 map sheet: Newcastle NPWS Code

AMG Grid reference

Full reference - please  
include leading digits



Scale of map used for grid reference [X] 25K, 50K [ ] 100K [ ] 250K  
(preferred)  
Please use largest scale available

1:25K, 50K, 100K map name: WallSEND 1: 25,000

Site name: Winding Creek Gkade site 7 Locality/property name:

NPWS District: Lower Hunter Region: Central

Reason for investigation Environmental investigation of vacant SRA land for possible future development.

Portion no:

Parish:

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-174Site types: Isolated findAccessioned by: Reh Date: 15-1-90Data entered by: Reh Date: 15-1-90Owner/Manager: State Rail AuthorityAddress: Cardiff Rail Workshops

Photos taken? NO  
How many attached?

Other sites in locality? Yes

Are sites in NPWS Register?

Site Types include: Open campsites, scarred tree.Have artefacts been removed from site? No

By whom?

When?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es)

Paul Gordon, Avalonak Co-op. Newcastle.

Contacted for this recording? Yes

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of an archaeological survey at Gkade NSW.

NPWS Report  
Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

Site consists of single piece of flaked stone on the track surface. Some sheet & will erosion of bare areas.

Recommendations for management &amp; protection (attach separate sheet if necessary):

This isolated flake is located further from Winding Creek than other sites in this area & appears less important scientifically. Application for consent to destroy could be made if affected by future landuse changes.

Site recorded by: Pam Dean-JonesDate: November 1989.

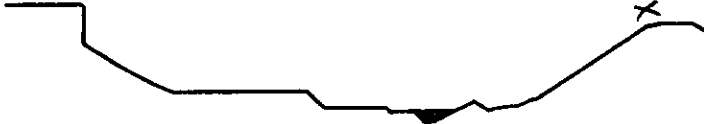
Address/institution:

137 Skye Point Rd Coal Point

+

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

- Land form a. beach/hill slope/ridge top, etc: *upper slope/crust.* b. site aspect: *N* c. slope: *5%*  
d. mark on diagram provided or on your own sketch the position of the site: *local relief about 10 metres, site is on gentle gradient, close to crest of low spur.*  

- Local rock type: *lithic sandstone (pebbly)* g. Land use/effect: *unused bushland but underlying disturbed, & numerous tracks*
- Distance from drinking water: *200 m* Source: *Winding Ck.*
- Resource Zone associated with site (estuarine, riverine, forest etc): *Open woodland, but creek resources also readily obtained*
- Vegetation: *Open woodland - scrubby gum, angophora, bloodwood.*
- Edible plants noted:
- Faunal resources (include shellfish):
- Other exploitable resources (river pebbles, ochre, etc):

Site type:  
*Isolated artefact.*

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

*Isolated flake of reddish grey sandstone, hinge domination, cortex on exterior surface  
size 2.3 x 3.1 x 0.3 cm  
Situating on surface of hardsetting pale grey sandy loam topsoil. No vegetation on tracks.*

CHECKLIST TO HELP:  
length, width, depth,  
height of site, shelter,  
deposit, structure,  
element eg. tree scar,  
grooves in rock.

DEPOSIT: colour,  
texture, estimated  
depth, stratigraphy,  
contents-shell, bone,  
stone, charcoal, density  
& distribution of these,  
stone types, artefact  
types.

ART: area of surface  
decorated, motifs,  
colours, wet, dry  
pigment, technique of  
engraving, no. of  
figures, sizes,  
patination.

BURIALS: number &  
condition of bone,  
position, age, sex,  
associated artefacts.

TREES: number, alive,  
dead, likely age, scar  
shape, position, size,  
patterns, axe marks,  
regrowth.

QUARRIES: rock type,  
debris, recognisable  
artefacts, percentage  
quarried.

OTHER SITES EG.  
structures (fish traps,  
stone arrangements,  
bora rings, mia mias),  
mythological sites, rock  
holes, engraved groove  
channels, contact sites  
(missions massacres  
cemeteries) as  
appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.





[✓] New recording

[ ] Additional Info



# National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444  
Standard Site Recording Form Revised 5/88



38-4-0175

1:250,000 map sheet:

Newcastle

NPWS Code

AMG Grid reference

Full reference - please  
include leading digits



Scale of map used for grid reference  
Please use largest scale available

☒ 25K, 50K (preferred) ☐ 100K ☐ 250K

1:25K, 50K, 100K map name: Wallend 1:25000

HEAD OFFICE USE ONLY:

NPWS Site no: 38-4-175

Site types: ISOLATED FIND

Accessioned by: R. G. H. Date: 15-1-90

Data entered by: R. G. H. Date: 15-1-90

Owner/Manager: State Rail Authority

Address: Cardiff Lail workshops.

Site name: Winding Creek Glendale  
Site 9. Locality/property name:

NPWS District: Lower Hunter Region: Central

Reason for investigation: Environmental investigation of vacant SEA land for possible future development.

Portion no:

Parish:

Photos taken? No.

How many attached?

Other sites in locality? Yes.

Are sites in NPWS Register?

Site Types include: Open campsites, scattered tree

Have artefacts been removed from site? No.

When?

By whom?

Deposited where?

Is site important to local Aborigines?

Give contact(s) name(s) + address(es) Paul Gordon, Awabakal Co-op Newcastle.

Contacted for this recording? Yes.

(Attach additional information separately) If not, why not?

Verbal/written reference sources (including full title of accompanying report).

Report of an archaeological survey at Glendale NSW

NPWS Report  
Catalogue #

C-1672

Checklist:  
surface visibility,  
damage/disturbance/  
threat to site

Condition of site:

Weakly pedat grey brown topsoil, with  
claystone exposed in rills through shallow soil  
Site located on foot track.

Recommendations for management &amp; protection (attach separate sheet if necessary):

Isolated artefact near crest of hill. Application for consent to destroy  
could be made if this site is affected by possible future landuse.

Site recorded by: Pam Dean-Jones

Date: NOV. 1989.

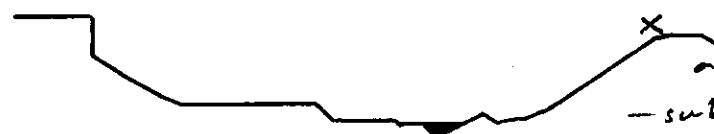
Address/institution: 137 Skye Point Rd Coal Point 2283

+

# SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc: *crest of low rise* b. site aspect: *NW.* c. slope: *<5%*  
d. mark on diagram provided or on your own sketch the position of the site: e. Describe briefly:



The isolated artefact is located close to the crest of a low rise with claystone bedrock - subsidiary drainage divide.

f. Local rock type: *claystone*

g. Land use/effect: *unused bushland, but on track immediately outside fence of playing field.*

2. Distance from drinking water: *200m*

Source: *Winding Cr.*

3. Resource Zone associated with site (estuarine, riverine, forest etc): *Open woodland & creek.*

4. Vegetation: *Open eucalypt woodland, dominated by angophora & scribbly gum.*

5. Edible plants noted:

6. Faunal resources (include shellfish):

7. Other exploitable resources (river pebbles, ochre, etc): *likely to be outcrop of flaking quality stone.*

Site type:

*Isolated artefact*

## DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

*isolated artefact of red indurated mudstone or tuff. 3.6 x 3.0 x 0.8 cm, with cortex on exterior surface and on platform.*

### CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.

QUARRIES: rock type, debris, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.





# Aboriginal Site Recording Form

AHIMS Registrar  
PO Box 1967, Hurstville NSW 2220



Office of  
Environment  
& Heritage

## Office Use Only

Site Number 3 8 - 4 - 1 6 3 1

Date received / / Date entered into system / / Date catalogued / /

Entered by (I.D.)

## Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

## For Further Information Contact:

### ☐ Nominated Trustee

Title Surname First Name Initials

Organisation

Address

Phone number Fax

### ☐ Knowledge Holder

Title Surname First Name Initials

Organisation

Address

Phone number Fax

## Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Office Use  
Only

Client on  
system

☐

Client on  
system

☐

## Geographic Location

Site Name

Easting

Mapsheet

Zone

## Primary Recorder

Title Surname First Name Initials

Organisation

Address

Phone number Fax

Date recorded 15/01/2014

Client on  
system

☐

Open Site

A blank 10x10 grid map. The grid is composed of 10 columns and 10 rows of squares. The corners are labeled with compass directions: NW (top-left), NE (top-right), SW (bottom-left), and SE (bottom-right). The midpoints of the top and bottom edges are labeled N and S respectively. The midpoints of the left and right edges are labeled W and E respectively. A north arrow is located on the right side of the grid, pointing upwards, with the letter 'N' above it.



## General Site Information

## Closed Site

## Shelter/Cave Formation

- ☐ Boulder  
☐ Wind erosion  
☐ Water erosion  
☐ Rock collapse

## Rock Surface Condition

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

## Condition of Ceiling

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

## Shelter Aspect

- ☐ North  
☐ North East  
☐ East  
☐ South East  
☐ South  
☐ South West  
☐ West  
☐ North West

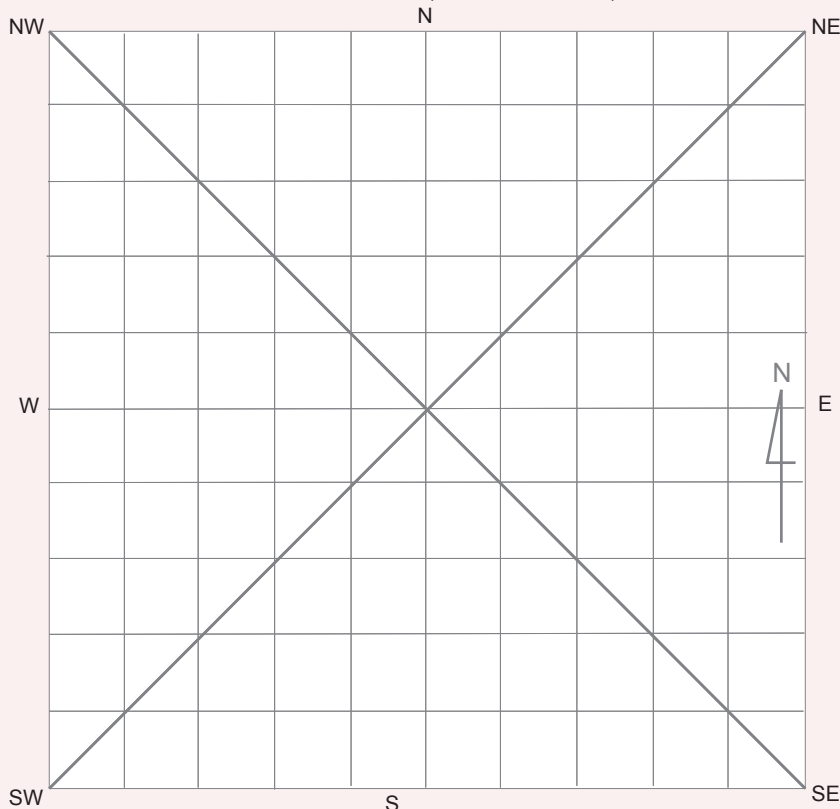
## Open Site

## Site Orientation

- ☒ N-S  
☐ NE-SW  
☐ E-W  
☐ SE-NW  
☐ N/A

## Features

- ☐ 1. Aboriginal Ceremony & Dreaming  
☐ 2. Aboriginal Resource & Gathering  
☐ 3. Art  
☐ 4. Artefact  
☐ 5. Burial  
☐ 6. Ceremonial Ring  
☐ 7. Conflict  
☐ 8. Earth Mound  
☐ 9. Fish Trap  
☐ 10. Grinding Groove  
☐ 11. Habitation Structure  
☐ 12. Hearth  
☐ 13. Non Human Bone & Organic Material  
☐ 14. Ochre quarry  
☐ 15. Potential Archaeological Deposit  
☐ 16. Stone Quarry  
☐ 17. Shell  
☐ 18. Stone Arrangement  
☒ 19. Modified Tree  
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features

## Site Dimensions

## Closed Site Dimensions (m)

- Internal length  
 Internal width  
 Shelter height  
 Shelter floor area

## Open Site Dimensions (m)

- Total length of visible site  
 Average width of visible site  
 25 sqm Estimated area of visible site  
 Length of assessed site area

## This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

## Site Cultural & Scientific Analysis and Preliminary Management Recommendations

---

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---

---

**Endorsed by:** ☐ Knowledge Holder ☐ Nominated Trustee ☐ Native Title Holder ☐ Community Consensus

Initials

--	--	--

[illegible][illegible]

--	--

[illegible][illegible][illegible][illegible]

## Comments

- ☐ A4 location map
- ☐ B/W photographs
- ☒ Colour photographs
- ☐ Slides
- ☐ Aerial photographs
- ☐ Site plans, drawings
- ☐ Recording tables
- ☐ Other
- ☐ Feature inserts-No.

[illegible]

Site I.D.

Site Name

First recorded date

Importance

Aboriginal Information Recorded?

No. of instances

Recorded by

Feature description

No. of scars

No. of carved panels

Feature Condition

☐ Very good

☐ Good

☒ Poor

Condition

☒ Weathered

☐ Ringbarked

☒ Fire damage

☐ Vehicle damage

☒ Insects/termites

☒ Rot

☐ Limb fall

☐ Stock damage

Easting

Recommended Action

☐ Fencing

☐ Closure to public

☒ Continued inspection

☐ Expert assessment

☐ Fire hazard reduction

☐ Insect removal

☐ Meeting with land manager

☐ Rubbish removal

☐ Signage

☐ Tree health assessment

☐ Track closure/re-routing

☐ Additional recording

Northings

Feature environment (Complete when feature environment differs to site environment, use attributes from cover card, page 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source  metres

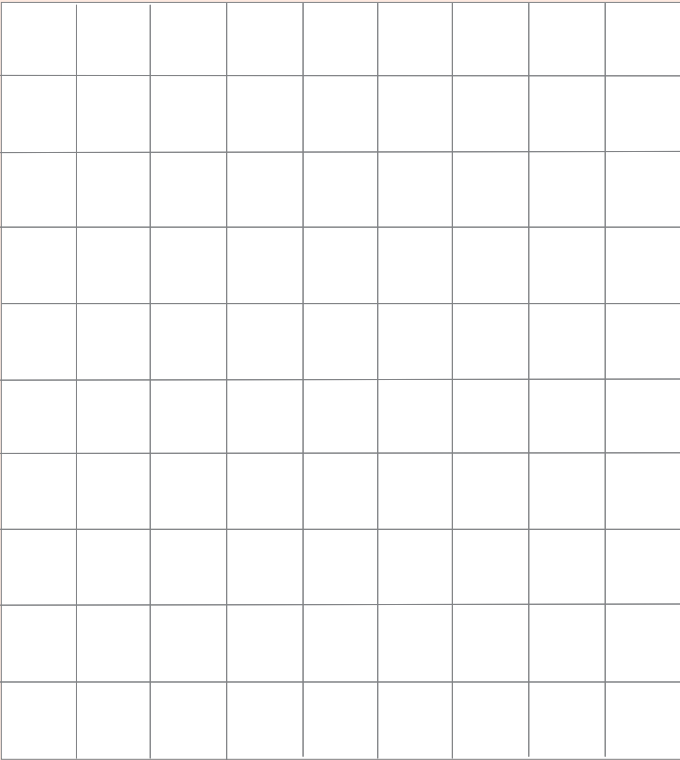
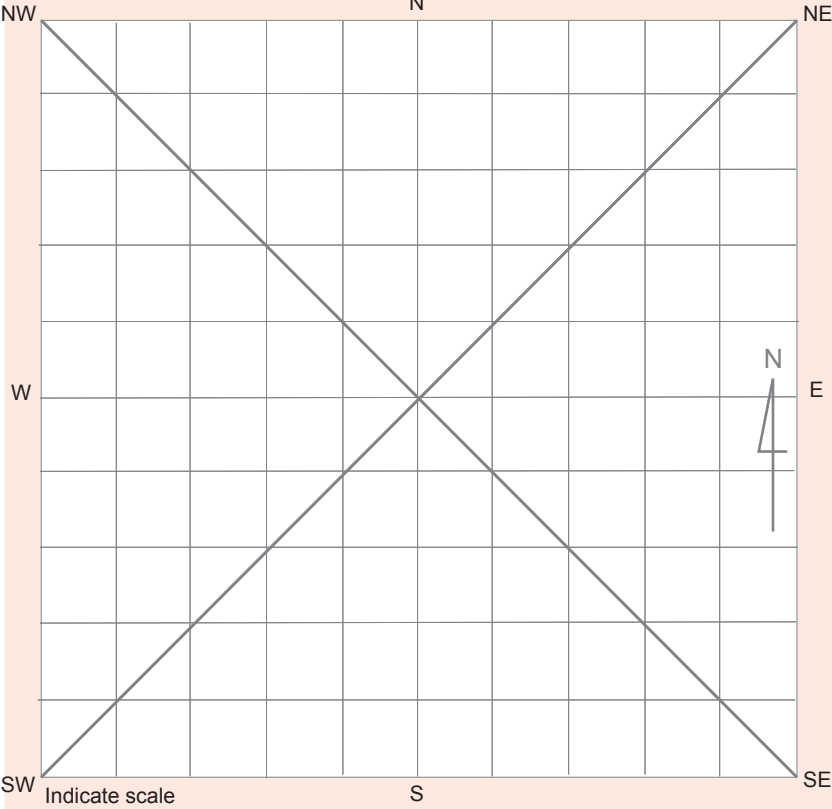
Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Feature Location Plan

Scar/Carved Panel Drawing



Indicate scale

Attach additional drawings

## page 2

[illegible]

## Regrowth

Type of Tree	Tree Species	Living Status	Tree Status	Regrowth	Scar Shape	Carving Type	Axe Marks	Orientation
Carved Tree	Eucalypt	Dead	Standing	Yes	Oval	Linear	Metal	North East
Scarred Tree	Red Gum	Alive	Lying down	No	Rectangular	Geometric	Stone	East
Carved/Scarred Tree	Angotha	Dying	Partially felled		Square	Pictorial	Indeterminate	South East
			Subject to salinity		Round			South
			Not <i>in situ</i>		Other			South West
West								
North West								
North								
<div>Comments:</div>								
Tree circumference is approximately 4.5 metres								
See attached information.								

Not *in situ*

Tree circumference is approximately 4.5 metres

See attached information.



## RPS Glendale ST1 – Description

The site was identified on a lower slope, located approximately five metres east of an existing dirt access track which is part of a network of tracks which traverse the area. The scar on the tree had an east facing orientation. The nearest permanent water source to the site was Winding Creek approximately 160 metres to the north. The vegetation in the area of the site comprised native grasses, scattered shrubs and mature native trees. Disturbances included previous vegetation clearing in the vicinity, industry development, formed dirt tracks and use of the tracks and erosion. Access to the site was along Lake Road Glendale, Stockland Drive and in bushland to the south east of the Hunter Sports Centre.

## Photos



Plate 1: View to the west to scar on RPS Glendale ST1.



Plate 2: View to the west showing RPS Glendale ST1 and the scarred panel.



Plate 3: View to the east to RPS Glendale ST1 showing the fire damage on the reversed side of the scarred panel.

AHIMS site ID: 38-4-2265

Date recorded: 15-05-2023

## Site Location Information

Site name: Glendale CMT 01

Easting: [REDACTED] Northing: [REDACTED] Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m): 10

Zone: 56

Phone GPS

## Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Cottle	Victoria

Organisation: Environmental Resources Management

Address: 81 Blackwood Circuit, Cameron Park NSW 2285

Phone: [REDACTED] E-mail: victoria.cottle@erm.com

## Site Context Information

Land Form Pattern: Floodplain Land Use: Conservation

Land Form Unit: Stream Bank Vegetation: Scrub

Distance to Water (m): 195 Primary Report: Glendale Concept Development Application ACHAR

How to get to the site:

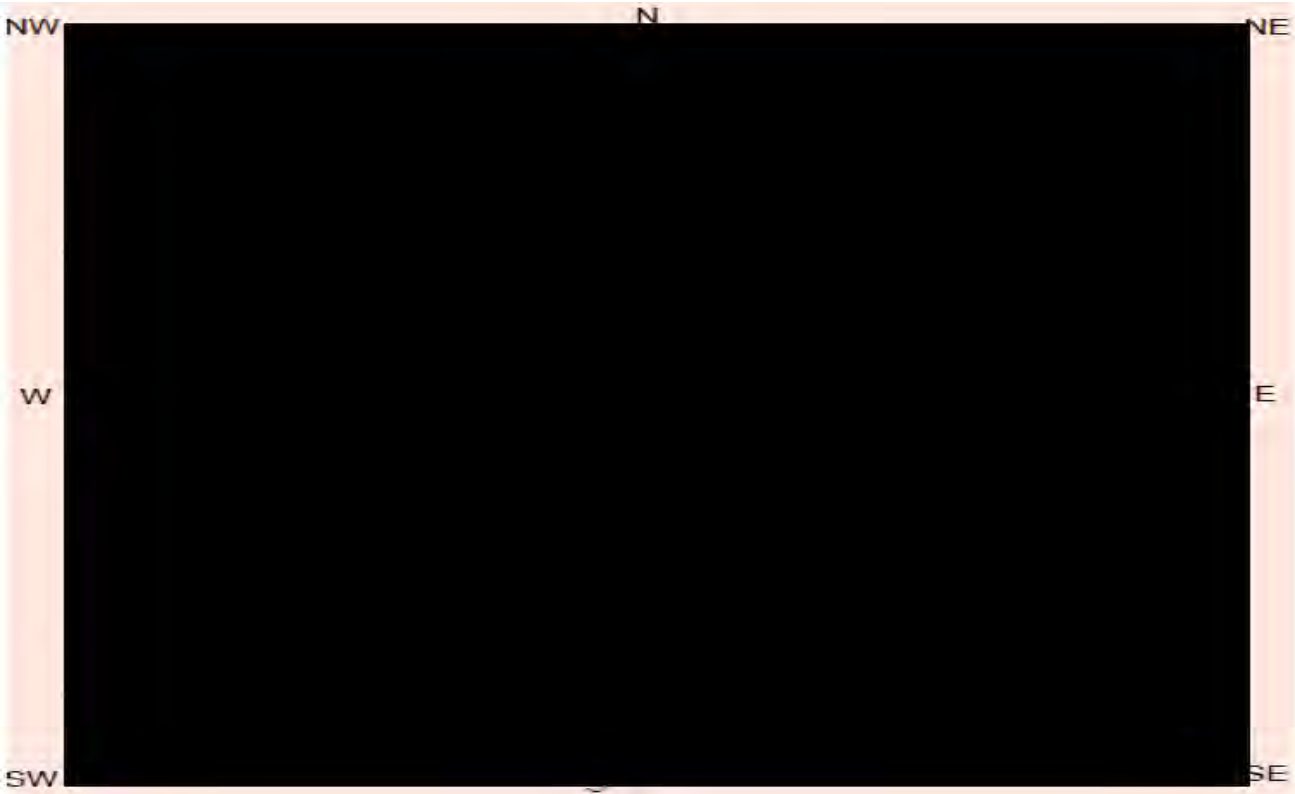
Other site information:

-

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	<input type="text" value="Modified Tree"/>	<input type="text" value="1"/>	<input type="text" value="120"/>	<input type="text" value="22"/>	<input type="text" value="4"/>	<input type="text" value="5"/>	<input type="text" value="Elongated"/>	<input type="text"/>

Feature condition:

Description:

North facing scar. Approximately 80cm height above ground.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:



### Features:

4.

Feature condition:

Description:

### Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Stringy  
Bark

### Features:

5.

Feature condition:

Description:

### Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Site photographs



Description:

Glendale CMT 01 - location



Description:

Glendale CMT 01 - detail


Description:


Description:

## Site restrictions

Do you want to

Restrict this site?:

☐

Restriction type:

Gender

General

Location

N/A

☐☐

Why is this site restricted?:

## Further information contact

Title

Surname

First name

Cottle

Victoria

Organisation:

Environmental Resources Management

Address:

Level 1, 45 Watt Street Newcastle NSW 2300

Phone:

E-mail:

## Site interpretation and community statement

AHIMS site ID: 38-4-2266

Date recorded: 15-05-2023

## Site Location Information

Site name: Glendale CMT 02

Easting: [REDACTED] Northing: [REDACTED] Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m): 10

Zone: 56

Phone GPS

## Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Cottle	Victoria

Organisation: Environmental Resources Management

Address:

Phone: [REDACTED] E-mail: [REDACTED]

## Site Context Information

Land Form Pattern: Floodplain Land Use: Conservation

Land Form Unit: Stream Bank Vegetation: Scrub

Distance to Water (m): 20 Primary Report: Glendale Concept Development Application ACHAR

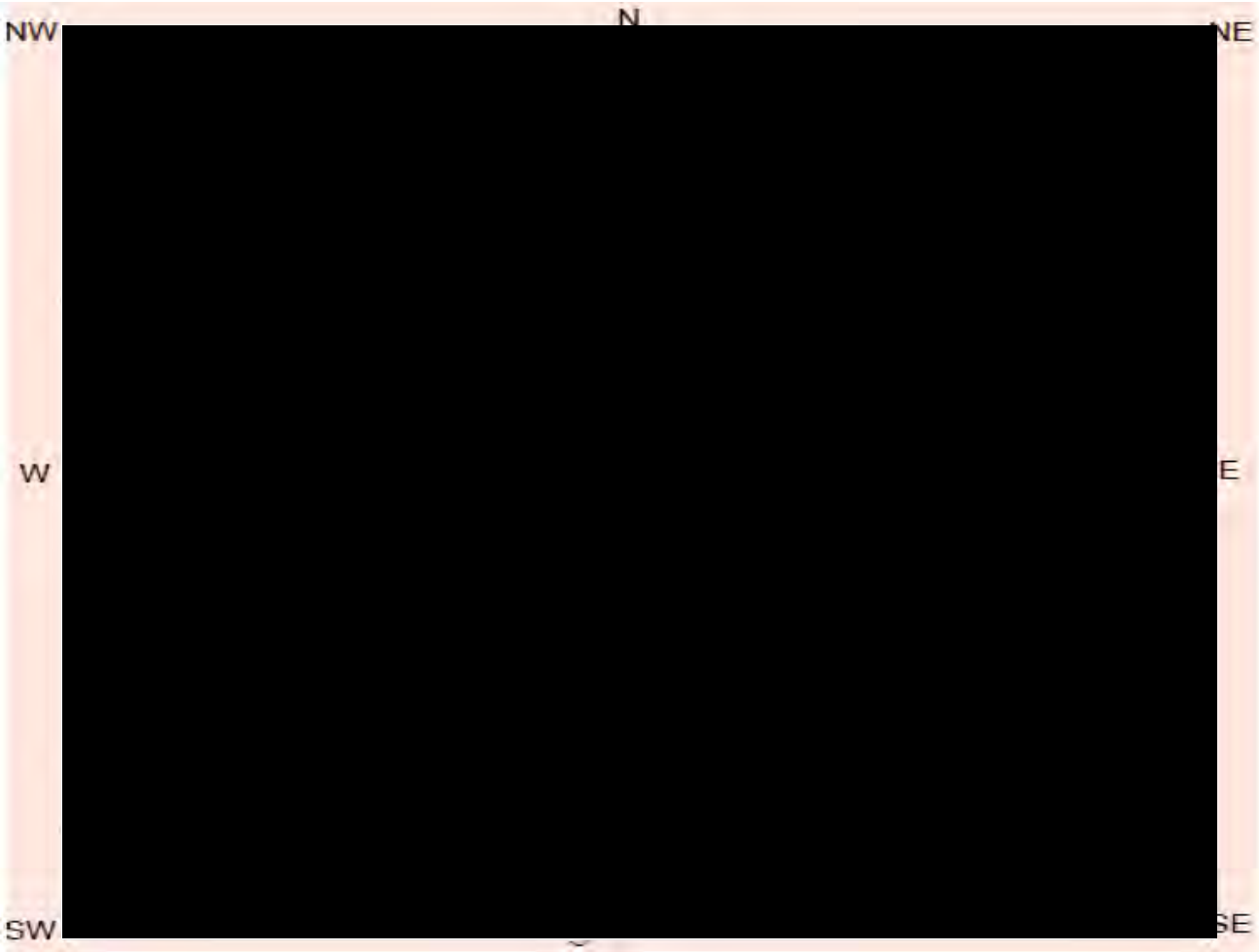
How to get to the site:

[REDACTED]

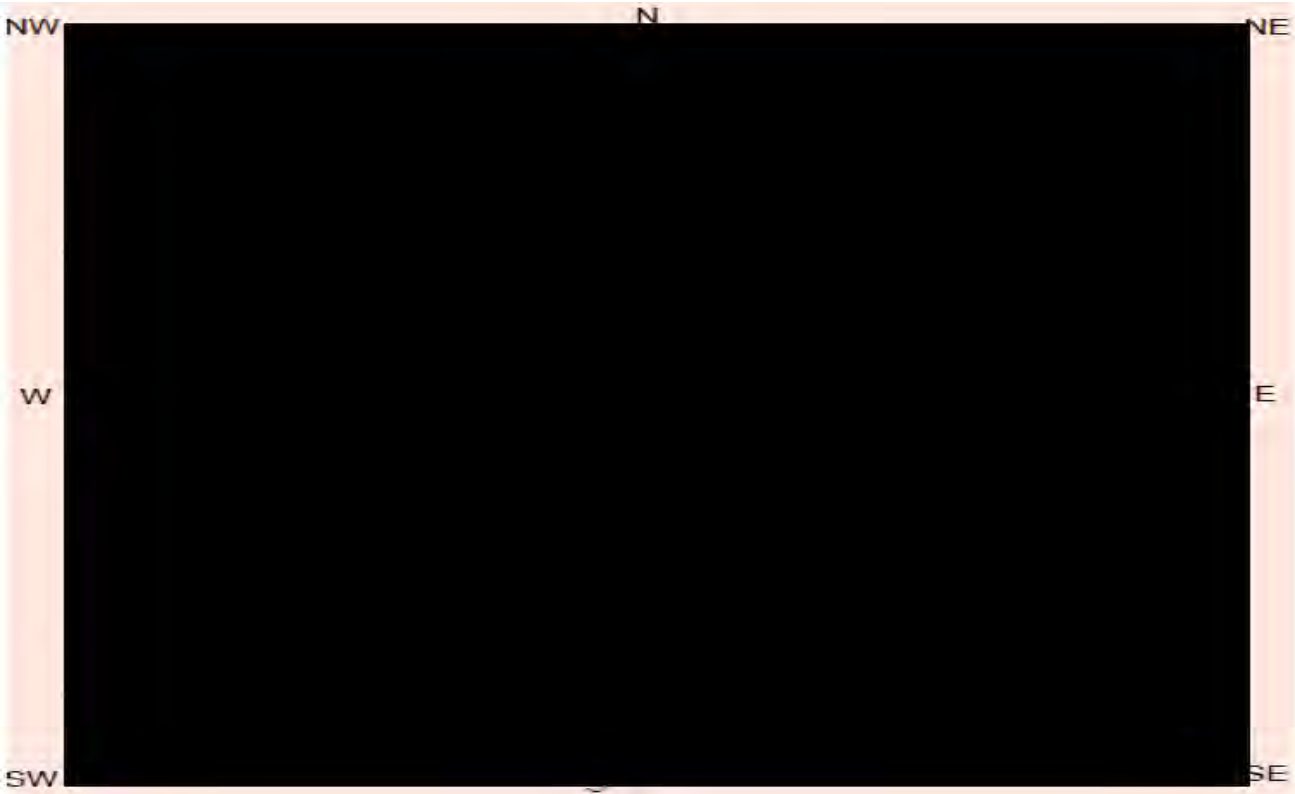
Other site information:

Site heavily overgrown with vegetation; site difficult to access.

Site location map



Site plan



Site contents information

open/closed site: 

Open

Site condition: 

Good

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	<div>Modified Tree</div>	<div>1</div>	<div>180</div>	<div>30</div>	<div>5</div>	<div>5</div>	<div>Elongated</div>	<div></div>

Feature condition: 

Regrowth Over Scar

Description:

North-east facing scar. Approximately 50cm height above ground.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>

Feature condition:

Description:



**Features:**

4.

**Feature condition:**

Description:

**Features:**

5.

**Feature condition:**

Description:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Stringy  
Bark

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Site photographs**



Description:

Glendale CMT 02 - location



Description:

Glendale CMT 02


Description:


Description:

## Site restrictions

Do you want to

Restrict this site?:

☐

Restriction type:

Gender

General

Location

N/A

☐☐

Why is this site restricted?:

## Further information contact

Title

Surname

First name

Cottle

Victoria

Organisation:

Environmental Resources Management

Address:

Level 1, 45 Watt Street Newcastle NSW 2300

Phone:

E-mail:

## Site interpretation and community statement

AHIMS site ID: 38-4-2267

Date recorded: 15-05-2023

## Site Location Information

Site name: Glendale CMT 03

Easting: [REDACTED] Northing: [REDACTED] Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m): 10

Zone: 56

Phone GPS

## Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Cottle	Victoria

Organisation: Environmental Resources Management

Address: [REDACTED]

Phone: [REDACTED] E-mail: [REDACTED]

## Site Context Information

Land Form Pattern:	Floodplain	Land Use:	Conservation
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Land Form Unit:	Flat	Vegetation:	Scrub
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Distance to Water (m):	125	Primary Report:	Glendale Concept Development Application ACHAR
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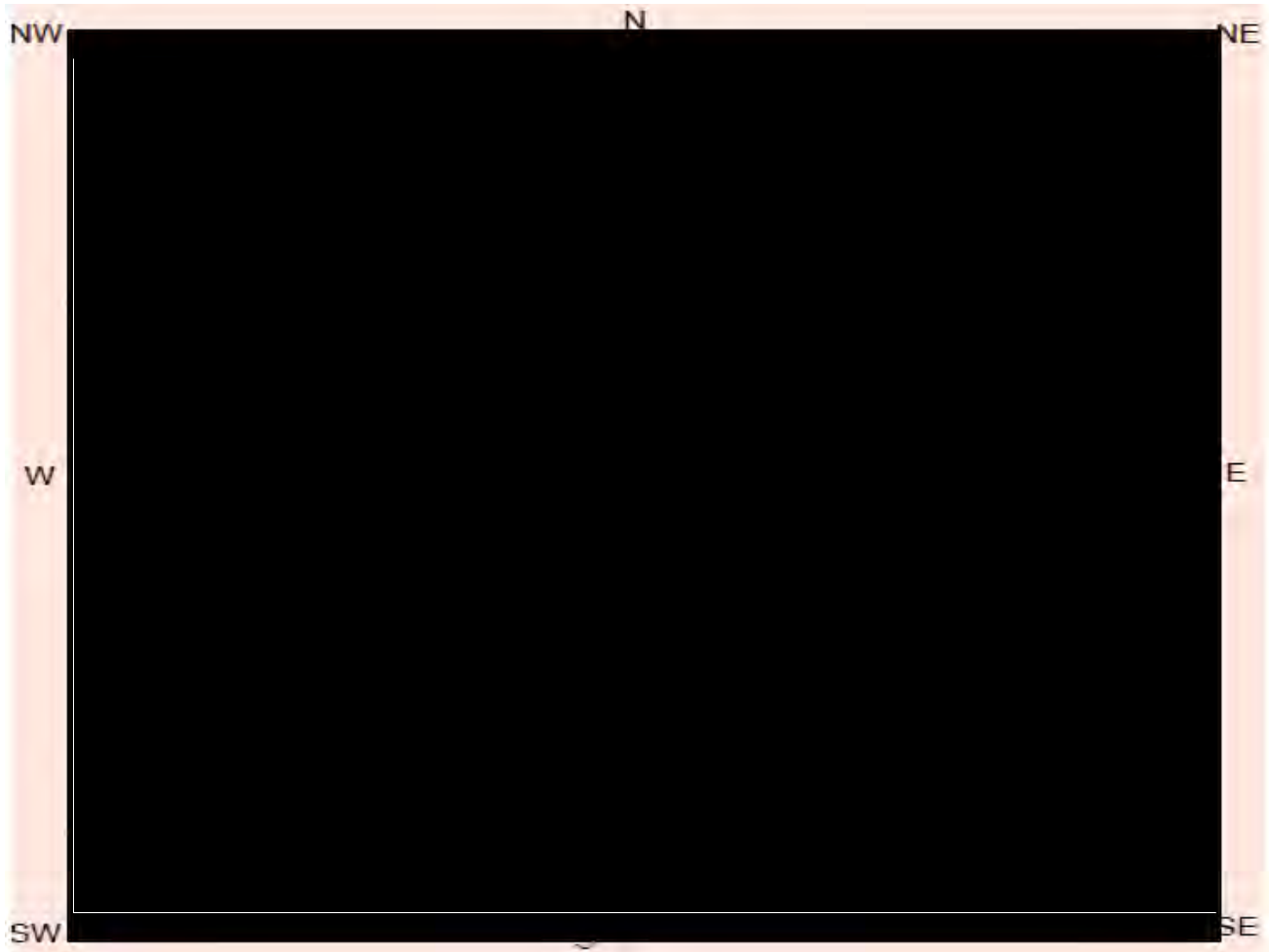
How to get to the site:

[REDACTED]

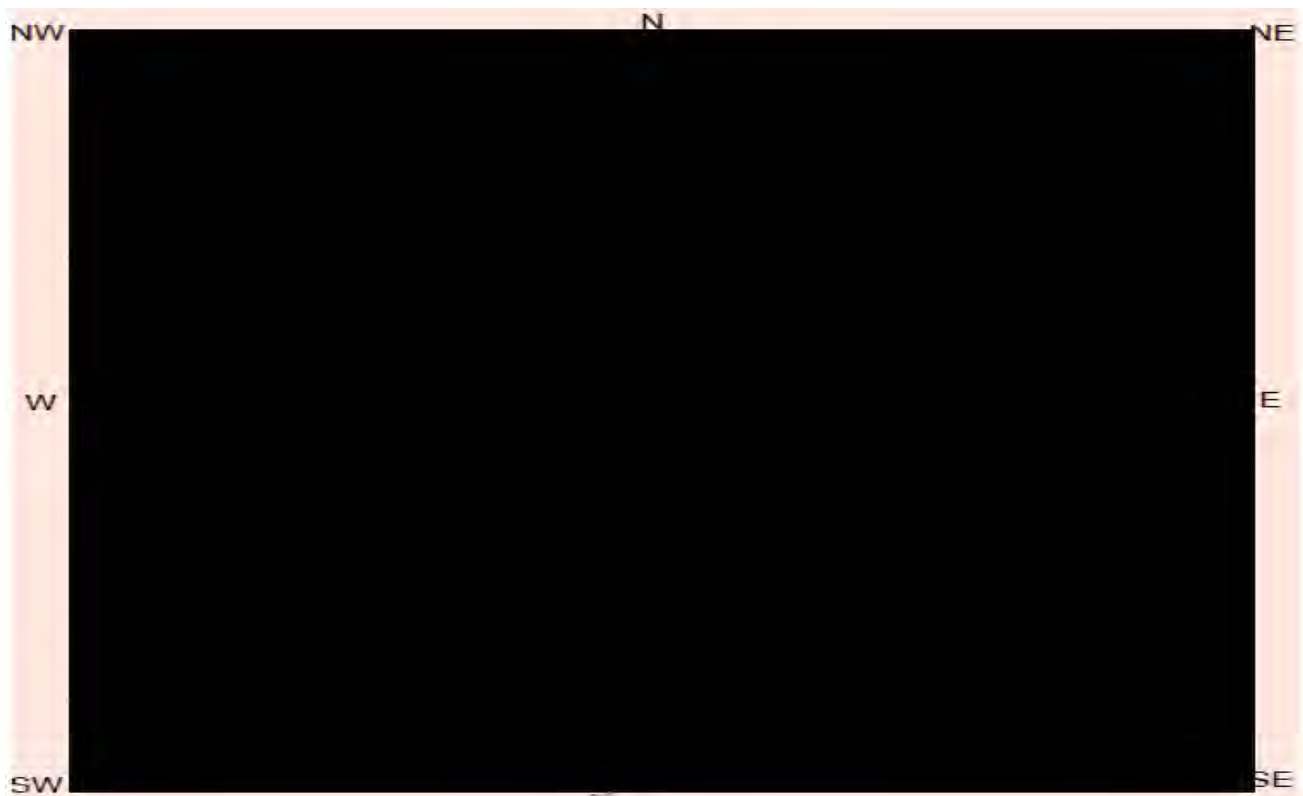
Other site information:

Site is heavily overgrown with vegetation and is difficult to access.

## Site location map



## Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	<input type="text" value="Modified Tree"/>	<input type="text" value="1"/>	<input type="text" value="140"/>	<input type="text" value="21"/>	<input type="text" value="8"/>	<input type="text" value="8"/>	<input type="text" value="Other"/>	<input type="text"/>

Feature condition:

Description:

North-west facing scar. Approximately 142cm height above ground.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:



### Features:

4.

Number of  
features

Length of  
feature(s)  
extent (m)

Width of  
feature (s)  
extent (m)

### Scarred Trees

Scar Depth  
(cm)

Regrowth  
(cm)

Scar shape

Tree Species

Stringy  
Bark

Feature condition:

Description:

### Features:

5.

Number of  
features

Length of  
feature(s)  
extent (m)

Width of  
feature (s)  
extent (m)

### Scarred Trees

Scar Depth  
(cm)

Regrowth  
(cm)

Scar shape

Tree Species

Feature condition:

Description:

## Site photographs



Description:

Glendale CMT 03 - location



Description:

Glendale CMT 03


Description:


Description:

## Site restrictions

Do you want to

Restrict this site?:

☐

Restriction type:

Gender

General

Location

N/A

☐☐

Why is this site restricted?:

## Further information contact

Title

Surname

First name

Cottle

Victoria

Organisation:

Environmental Resources Management

Address:

Level 1, 45 Watt Street Newcastle NSW 2300

Phone:

E-mail:

## Site interpretation and community statement

AHIMS site ID: 38-4-2268

Date recorded: 15-05-2023

## Site Location Information

Site name: Glendale CMT 04

Easting: [REDACTED] Northing: [REDACTED] Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m): 10

Zone: 56

Phone GPS

## Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Cottle	Victoria

Organisation: Environmental Resources Management

Address: [REDACTED]

Phone: [REDACTED] E-mail: [REDACTED]

## Site Context Information

Land Form Pattern: Floodplain Land Use: Recreation

Land Form Unit: Flat Vegetation: Scrub

Distance to Water (m): 140 Primary Report: Glendale Concept Development Application ACHAR

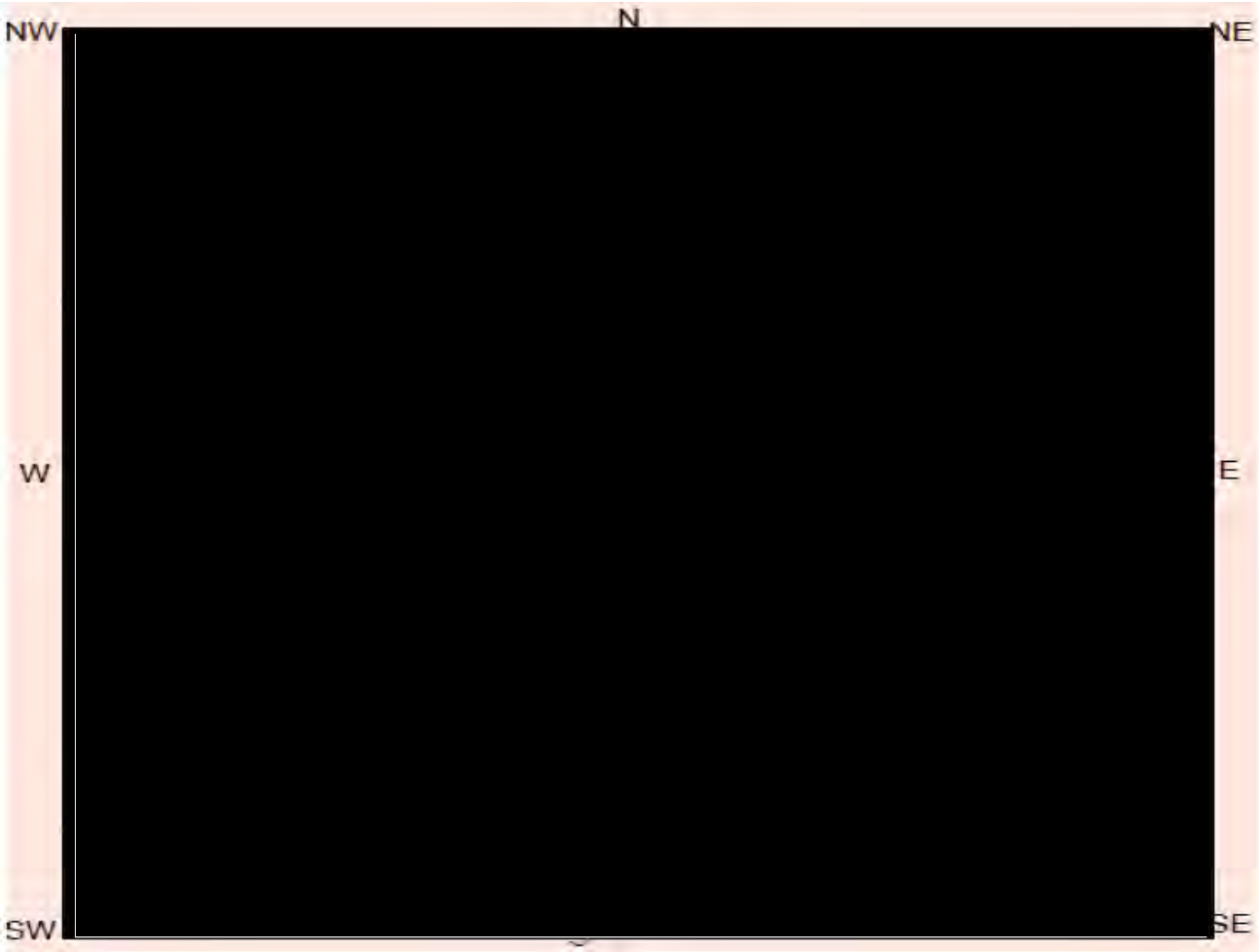
How to get to the site:

[REDACTED]

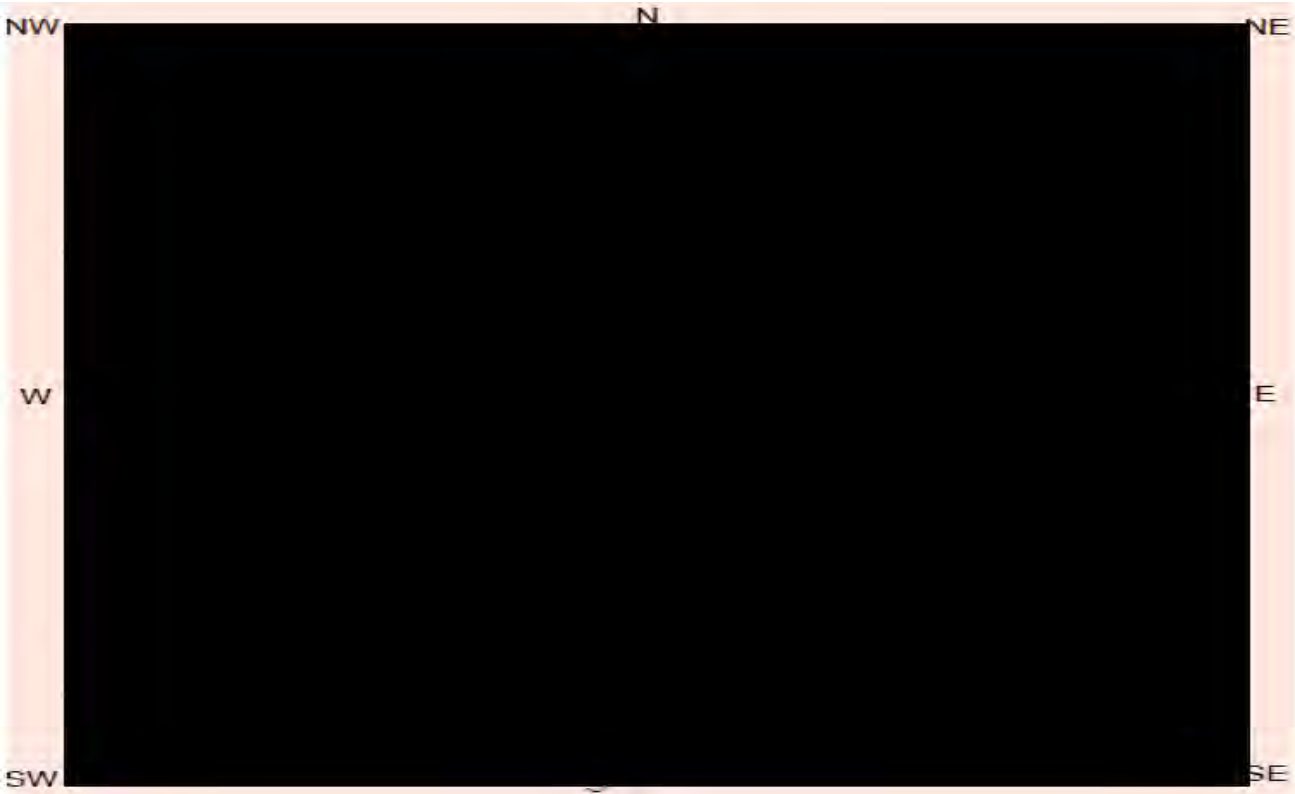
Other site information:

Site is heavily overgrown with vegetation and was difficult to access.

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	<input type="text" value="Modified Tree"/>	<input type="text" value="1"/>	<input type="text" value="95"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="Other"/>	<input type="text"/>

Feature condition:

Description:

Linear partial scar; incomplete. RAPs suggested that it may have been abandoned. North-west facing. Approximately 1.5m height above ground.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:



### Features:

4.

Feature condition:

Description:

### Features:

5.

Feature condition:

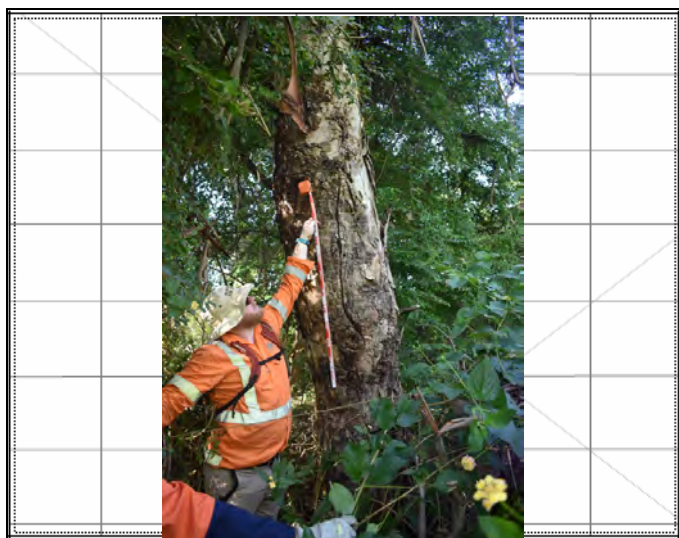
Description:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Red Gum

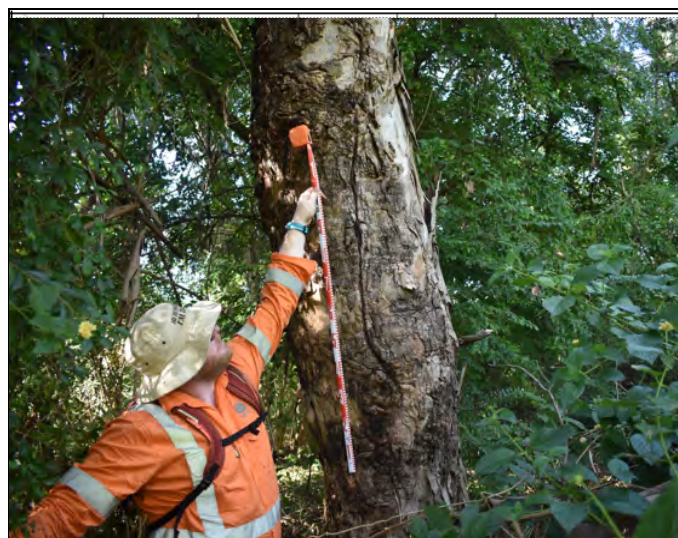
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Site photographs



Description:

Glendale CMT 04



Description:

Glendale CMT 04


Description:


Description:

## Site restrictions

Do you want to

Restrict this site?:

☐

Restriction type:

Gender

General

Location

N/A

☐☐

Why is this site restricted?:

## Further information contact

Title

Surname

First name

Cottle

Victoria

Organisation:

Environmental Resources Management

Address:

Level 1, 45 Watt Street Newcastle NSW 2300

Phone:

E-mail:

## Site interpretation and community statement

Environmental Resources Management - Melbourne

Date: 07 July 2022

Level 6 99 King Street  
Melbourne Victoria 3000

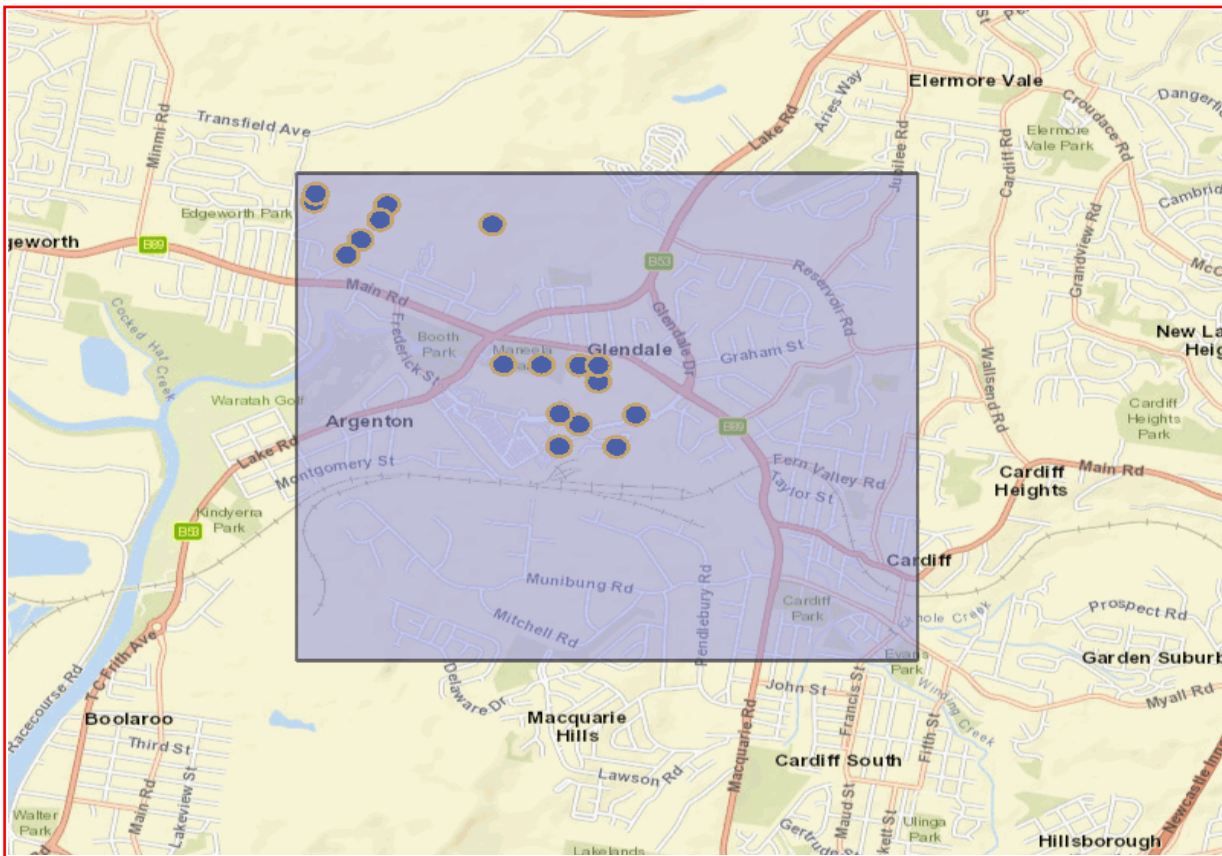
Attention: Alyce Haast

Email: [REDACTED]

Dear Sir or Madam:

**AHIMS Web Service search for the following area at Datum :GDA, Zone : 56, Eastings : 372040.0 - 375267.0, Northings : 6353796.0 - 6356753.0 with a Buffer of 0 meters, conducted by Alyce Haast on 07 July 2022.**

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

18	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

**If your search shows Aboriginal sites or places what should you do?**

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(https://www.legislation.nsw.gov.au/gazette\)](https://www.legislation.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

**Important information about your AHIMS search**

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : 0652233

Client Service ID : 698262

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
38-4-1286	RPSHSO IF1-5	GDA	56	372095	6356578	Open site	Valid	Artefact : -		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Ms.Laraine Nelson,Mr.Matthew Kelleher,Kelli							
38-4-1631	RPS Glendale ST1	GDA	56	373507	6355227	Open site	Valid	Modified Tree (Carved or Scarred) : 1		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - York Street Sydney						<a href="#">Permits</a>	3717
38-4-0169	Winding Creek Glendale Site 2	AGD	56	373400	6355400	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	
38-4-0172	Winding CK Glendale Site 6;	AGD	56	373600	6354900	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	
38-4-1314	RPSHSO IF1-2	GDA	56	372344	6356345	Open site	Valid	Artefact : 1		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Ms.Laraine Nelson,Mr.Matthew Kelleher,Kelli							
38-4-1285	RPSHSO IF1-4	GDA	56	372480	6356562	Open site	Valid	Artefact : -		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Ms.Laraine Nelson,Mr.Matthew Kelleher,Kelli							
38-4-0173	Winding Ck Glendale Site 8;	AGD	56	373000	6355400	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	924
38-4-1312	RPSHSO IF1-3	GDA	56	372271	6356251	Open site	Valid	Artefact : -		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Ms.Laraine Nelson,Mr.Matthew Kelleher,Kelli							
38-4-0603	BRUSH CREEK 2	AGD	56	372340	6356280	Open site	Valid	Artefact : -		97766,97822
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Helen Brayshaw						<a href="#">Permits</a>	
38-4-0602	BRUSH CREEK 1	GDA	56	373035	6356450	Open site	Valid	Grinding Groove : -, Artefact : -		97766,97822
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Helen Brayshaw,Mr.Matthew Kelleher,Kelleher Nightingale Consulting Pty Ltd (Ger							
38-4-0168	Winding Creek (Glendale) Site 5	AGD	56	373500	6355300	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	
38-4-0167	Winding Creek (Glendale);	AGD	56	373200	6355400	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	
38-4-1284	RPSHSO IF1-6	GDA	56	372104	6356626	Open site	Valid	Artefact : 1		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Ms.Laraine Nelson,Mr.Matthew Kelleher,Kelli							
38-4-1375	RPS IF01	GDA	56	372271	6356251	Open site	Valid	Artefact : -		
	<a href="#">Contact</a>	<a href="#">Recorders</a>	RPS Australia East Pty Ltd - Hamilton,Mrs.Tessa Boer-Mah							
38-4-0174	Winding Ck Glendale Site 7;	AGD	56	373300	6355100	Open site	Valid	Artefact : -	Isolated Find	1672,98458,98 459
	<a href="#">Contact</a>	<a href="#">Recorders</a>	Pam Dean-Jones						<a href="#">Permits</a>	924,3717

Report generated by AHIMS Web Service on 07/07/2022 for Alyce Haast for the following area at Datum :GDA, Zone : 56, Eastings : 372040.0 - 375267.0, Northings : 6353796.0 - 6356753.0  
with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 18

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.



# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : 0652233

Client Service ID : 698262

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	<u>Easting</u>	<u>Northing</u>	<u>Context</u>	<u>Site Status **</u>	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
38-4-0171	Winding Creek Glendale Site 4;	AGD	56	373700	6355100	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98459
	<u>Contact</u>	<u>Recorders</u>	Pam Dean-Jones					<u>Permits</u>	3717	
38-4-0175	Winding Ck Glendale Site 9;	AGD	56	373300	6354900	Open site	Valid	Artefact : -	Isolated Find	1672,98458,98459
	<u>Contact</u>	<u>Recorders</u>	Pam Dean-Jones					<u>Permits</u>	924,3717	
38-4-0170	Winding Creek Glendale Site 3;	AGD	56	373500	6355400	Open site	Valid	Artefact : -	Open Camp Site	1672,98458,98459
	<u>Contact</u>	<u>Recorders</u>	Pam Dean-Jones					<u>Permits</u>		

### **\*\* 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

Report generated by AHIMS Web Service on 07/07/2022 for Alyce Haast for the following area at Datum :GDA, Zone : 56, Eastings : 372040.0 - 375267.0, Northings : 6353796.0 - 6356753.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 18

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.



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