



Moolarben Coal Complex, UG4 Longwalls 409- 414 Extraction Plan

Aboriginal Cultural Heritage Technical Report

Prepared for Moolarben Coal Operations Pty Ltd | 22/11/2024



Moolarben Coal Complex, UG4 Longwalls 409-414 Extraction Plan

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8520	Moolarben Coal Operations Pty Ltd	Ben Slack	Mid-Western Regional Council

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Executive summary

This technical report presents the results of an Aboriginal cultural heritage and archaeological assessment of Longwalls 409-414 (LW409-414) for the Moolarben Coal Complex, in the Western Coalfields of New South Wales. This report has been prepared to support the Extraction Plan of LW409-414 for the secondary extractions of the approved LW409-414 of Underground 4 (UG4).

The Moolarben Coal Complex is an open cut and underground coal mine located approximately 40 km north east of Mudgee. The complex operates under two integrated development consents known as 'Stage 1' (05_0117) and 'Stage 2' (08_0135). The Stage 1 Project Approval includes underground mining area 'UG4', which permits the extraction of 14 longwalls in the Ulan seam. However, before longwall mining can proceed, the Project Approval requires an Extraction Plan to be prepared to the satisfaction of the Secretary.

UG4 has been divided into two areas, (i) UG4 - South, which includes the first eight longwall blocks (LW401-408) which would be mined east to west and (ii) UG4 - North (the Subject Area), which includes LW409-414 which would be mined north to south (Figure 1 and Figure 2). UG4 secondary workings (longwall extraction) in LW401 commenced in 2022. LW401-404 were completed in May 2024. Extraction of LW409-414 is scheduled to commence in March 2026.

The Subject Area of this report has been defined as the LW409-414 Study Area, which is the area of land within the furthest extent of the 26.5 degree (°) angle of draw and 20 millimetres (mm) predicted subsidence contour (Figure 2). The Subject Area lies within hilly terrain comprised of cliffs, steep slopes ranging in elevation from 400 metres (m) Above Sea Level (ASL) at the western edge of the UG4 Subject Area, peaking at 480 m RL in the southwest corner of Subject Area.

Previous archaeological assessment in the Subject Area has been included in Aboriginal cultural heritage assessment and archaeological investigation associated with environmental assessment of the Stage 1 Project Approval (05_0117), modifications to existing approvals, and exploration environmental assessments. These investigations have adequately characterised the Aboriginal cultural heritage sites that may be expected to be present. Of key relevance, the desktop assessments and site inspections of sites situated in UG4 are undertaken as part of an Aboriginal Cultural Heritage Assessment by Niche (2019a, 2019b, 2023b and 2024a) and in a separate site verification process (Niche 2024b).

A total of 33 Aboriginal heritage sites are considered in the Technical Report including 23 sites that are recorded within the Subject Area and 10 sites which are recorded in close proximity to the Subject Area (within 100 m).

A framework for the management of Aboriginal cultural heritage sites within the approved Moolarben Coal Complex has been developed as part of the complex-wide Heritage Management Plan (HMP) based on the sites assessed significance, site type and the nature of proposed impacts.

Of the 23 Aboriginal cultural heritage sites within the Subject Area, four sites have been managed (S1MC254, S1MC255, S1MC324 and S1MC461) under existing approvals (i.e. 19 remain *in situ*). Another site within the Subject Area has been partially managed (S1MC466). Of the 10 sites in proximity to the Subject Area, one site has been managed (S1MC323) (i.e. nine sites remain *in situ*).

Table 1 provides a summary of the site types of the 28 Aboriginal cultural heritage sites within and in proximity to the Subject Area which are *in situ*.



Table 1: Site types of recorded Aboriginal cultural heritage sites *in situ* within and in proximity to the Subject Area

Site Type	Number of Sites	Percentage
Sites within the Subject Area		
Artefacts	2	7%
Isolated Find	3	11%
Shelters	14	50%
SUBTOTAL	19	68%
Sites in proximity to the Subject Area		
Artefacts	1	4%
Isolated Find	1	4%
Grinding Grooves	1	4%
Shelters	6	21%
SUBTOTAL	9	32%
TOTAL	28	100%

Note: Shelters include shelters with/without artefact(s) and/or PAD and/or art. Grinding grooves includes grinding grooves with artefacts and PAD.

The nine Aboriginal cultural heritage sites located in proximity to the Subject Area comprise one Artefacts, one Isolated Find, one Grinding Grooves and six Shelters with/without Art and/or Artefact(s) and/or Potential Archaeological Deposit (PAD).

All Aboriginal cultural heritage sites are considered by the Registered Aboriginal Parties to have high cultural significance. Amongst the 19 Aboriginal cultural heritage sites within the Subject Area and not currently managed under the HMP, the following levels of archaeological significance have been established:

- Low- 15 sites
- Moderate- 3 sites
- High- 1 site

Among the nine *in situ* sites located in proximity to the Subject Area, the following levels of archaeological significance have been established:

- Low- 4 sites
- Moderate- 1 site
- High- 4 sites



MSEC (2024) has concluded that it is unlikely that the artefacts and isolated finds themselves would be impacted by surface cracking (MSEC 2024).

MSEC (2024) has also assessed potential subsidence impacts to rock shelters within the Subject Area and concluded that there is potential for fracturing of sandstone and subsequent rock falls which have the potential to affect artefacts and/or PADs associated with the shelters.

The Stage 1 Project Approval (05_0117) provides subsidence impact performance measure of "reduce the likelihood of subsidence damage to low" for Aboriginal heritage sites S1MC264, S1MC282, S1MC283, S1MC286 and S1MC287 which are within or in proximity to the Subject Area. Only one of these sites (S1MC287) is within the Subject Area. In addition, a voluntary performance measure has been proposed for S1MC284 (in proximity to the Subject Area). It is expected the performance measure will be achieved for all relevant sites (MSEC 2024). Site specific recommendations for all Aboriginal heritage sites within and in proximity to the Subject Area are provided within Section 8 of this document.



Glossary and list of abbreviations

Term or abbreviation	Definition
Aboriginal cultural heritage	The tangible (objects) and intangible (dreaming stories, legends and places) cultural practices and traditions associated with past and present-day Aboriginal communities.
Aboriginal intangible heritage	NSW <i>National Parks and Wildlife Act 1974</i> does not provide a definition of intangible heritage. The following definition is used "means any knowledge of or expression of Aboriginal tradition, other than Aboriginal cultural heritage and includes oral traditions, performing arts, stories, rituals, festivals, social practices, craft, visual arts, and environmental and ecological knowledge but does not include anything that is widely known to the public.
Aboriginal object(s)	The legal definition for material Aboriginal cultural heritage under the NSW <i>National Parks and Wildlife Act 1974</i> .
Aboriginal stakeholders	Members of a local Aboriginal Land Council, registered holders of Native Title, Aboriginal groups or other Aboriginal people who may have an interest in the Project.
ACHA	Aboriginal Cultural Heritage Assessment.
ACHCRP	<i>Aboriginal cultural heritage consultation requirements for proponents 2010</i>
AHIMS	Aboriginal Heritage Information Management System.
AHIP	Aboriginal Heritage Impact Permit.
Archaeology	The scientific Subject of material traces of human history, particularly the relics and cultural remains of past human activities.
Archaeological deposit	A layer of soil material containing archaeological objects and/or human remains.
Archaeological investigation	The process of assessing the archaeological potential of an impact area by a qualified archaeologist.
Archaeological site	An area that contains surface or sub-surface material evidence of past human activity in which material evidence (artefacts) of past activity is preserved.
Artefact	An object made by human agency (e.g. stone artefacts).
Assemblage	A group of artefacts found in close association with one another. Any group of items designated for analysis that exist in spatial and/or vertical context - without any assumptions of chronological or spatial relatedness.
Avoidance	A management strategy that protects Aboriginal sites within an impact area by avoiding them totally in development.
Catchment	The area from which a surface watercourse or a groundwater system derives its water.
Code of Practice	<i>Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales</i> .



Term or abbreviation	Definition
Cumulative impacts	Combination of individual effects of the same kind due to multiple actions from various sources over time.
DCCEEW	Department of Climate Change, Energy, the Environment and Water
DECCW	The Department of Environment, Climate Change and Water. The predecessor of the current Department of Climate Change, Energy, the Environment and Water (DCCEEW).
DG	Director General.
DPC	Department of Premier and Cabinet.
DPHI	The Department of Planning, Housing and Infrastructure
DPIE	The Department of Planning, Industry and Environment (now referred to as DPHI).
Drainage	Natural or artificial means for the interception and removal of surface or subsurface water.
EIS	Environmental Impact Statement.
EP&A Act	NSW <i>Environmental Planning and Assessment Act 1979</i> .
EPBC Act	Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> .
Flake	A piece of stone detached from a core, displaying a bulb of percussion and striking platform.
GSE	Ground Surface Exposure.
GSV	Ground Surface Visibility.
Harm	With regard to Aboriginal objects this has the same meaning as the NSW <i>National Parks and Wildlife Act 1974</i> .
Heritage NSW	Aboriginal cultural heritage regulator in the Department of Climate Change, Energy, the Environment and Water (DCCEEW). Responsible for the management of Aboriginal Cultural Heritage (ACH) regulation functions under the <i>National Parks and Wildlife Act 1974</i> . Formerly BCD of DPIE.
Impact	Influence or effect exerted by a project or other activity on the natural, built and community environment.
Impact area	An area that requires archaeological investigation and management assessment.
<i>In-situ</i>	Latin words meaning 'on the spot, undisturbed'.
Isolated artefact / find	A single artefact found in an isolated context.
Landscape character	The aggregate of built, natural and cultural aspects that make up an area and provide a sense of place. Includes all aspects of a tract of land - built, planted and natural topographical and ecological features.
Land unit	An area of common landform, and frequently with common geology, soils and vegetation types, occurring repeatedly at similar points in the landscape over a defined region. It is a constituent part of a land system.



Term or abbreviation	Definition
Landform	Any one of the various features that make up the surface of the earth.
LALC	Local Aboriginal Land Council.
LEP	Local Environmental Plan.
LGA	Local Government Area.
Methodology	The procedures used to undertake an archaeological investigation.
Mitigation	To address the problem of conflict between land use and site conservation.
NHL	National Heritage List
NPW Act	NSW <i>National Parks and Wildlife Act 1974</i> .
NPW Regulation	NSW <i>National Parks and Wildlife Regulation 2019</i> .
NSW	New South Wales.
Open site	An archaeological site situated within an open space (e.g. archaeological material located on a creek bank, in a forest, on a hill, etc.). As opposed to a closed site (shelter site).
PAD	Potential Archaeological Deposit. A location considered to have a potential for subsurface archaeological material.
RAP	Registered Aboriginal Party, a party who has a registered an interest in the project through the process outlined in the <i>Aboriginal cultural heritage consultation requirements for proponents 2010</i> (DECCW, 2010a).
SEARS	Secretary's Environmental Assessment Requirements.
Site recording	The systematic process of collecting archaeological data for an archaeological investigation.
Site	A place where past human activity is identifiable.
SSD	State Significant Development.
Survey coverage	A graphic and statistical representation of how much of an impact area was actually surveyed and therefore assessed.



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1 Introduction

1.1 Introduction and background

The Moolarben Coal Complex is located approximately 40 kilometres (km) north of Mudgee in the Western Coalfields of New South Wales (NSW) in the Mid-Western Regional Council Local Government Area (Figure 1).

Moolarben Coal Operations Pty Ltd (MCO) is the operator of the Moolarben Coal Complex on behalf of the Moolarben Joint Venture (Moolarben Coal Mines Pty Ltd [MCM], Yancoal Moolarben Pty Ltd [YM] and a consortium of Korean power companies). MCO, MCM and YM are wholly owned subsidiaries of Yancoal Australia Limited.

Mining operations at the Moolarben Coal Complex are currently approved until 31 December 2038 and would continue to be carried out in accordance with NSW Project Approval (05_117) (Moolarben Coal Project Stage 1) as modified and NSW Project Approval (08_0135) (Moolarben Coal Project Stage 2) as modified.

In 2007, MCO received approval for Underground 4 (UG4) as part of Project Approval (05_0117) for Stage 1. The approval was supported by an Aboriginal Cultural Heritage Assessment (ACHA) report (Hamm 2006a and Hamm 2006b) and a Mine Subsidence Impact Assessment for the Proposed Longwall Panels LWs 1 to 14, No. 4 Underground Area (Strata Engineering 2006a and 2006b) Technical Report. A complex-wide HMP for Stage 1 and Stage 2 has been approved and is currently implemented (MCO 2023).

Since the Stage 1 Approval in 2007, extensive additional environmental monitoring and studies have been undertaken in the Ulan Coalfields, including MCO's Underground 1, UG4 Longwalls (LW) 401-408 operations to date and neighbouring mining operations. The additional studies and monitoring data associated with the inter-mine data sharing have improved the understanding of the predicted underground mining impacts. This contemporary knowledge, supplemented with targeted site surveys, underpins this technical report and the refined impact predictions, performance indicators, management and monitoring measures for the UG4 LW409-414 Extraction Plan.

UG4 is located approximately 3 km east of the village of Ulan and is situated between the Goulburn River National Park and the existing Ulan Coal Mine. UG4 is bounded by the Goulburn River to the north, Goulburn River National Park to the east; the Gulgong to Sandy Hollow railway to the south, and the Ulan Road to the west (Figure 1). UG4 has been divided into two areas, (i) UG4 - South, which includes the first eight longwall blocks (LW401-408) which would be mined east to west and (ii) UG4 - North (the Subject Area), which includes LW409-414 which would be mined north to south. Access to the longwalls will be to the south of LW401. UG4 secondary workings (longwall extraction) in LW401 commenced in 2022. LW401-404 were completed in May 2024. Extraction of LW409-414 is scheduled to commence in March 2026 (Figure 2).

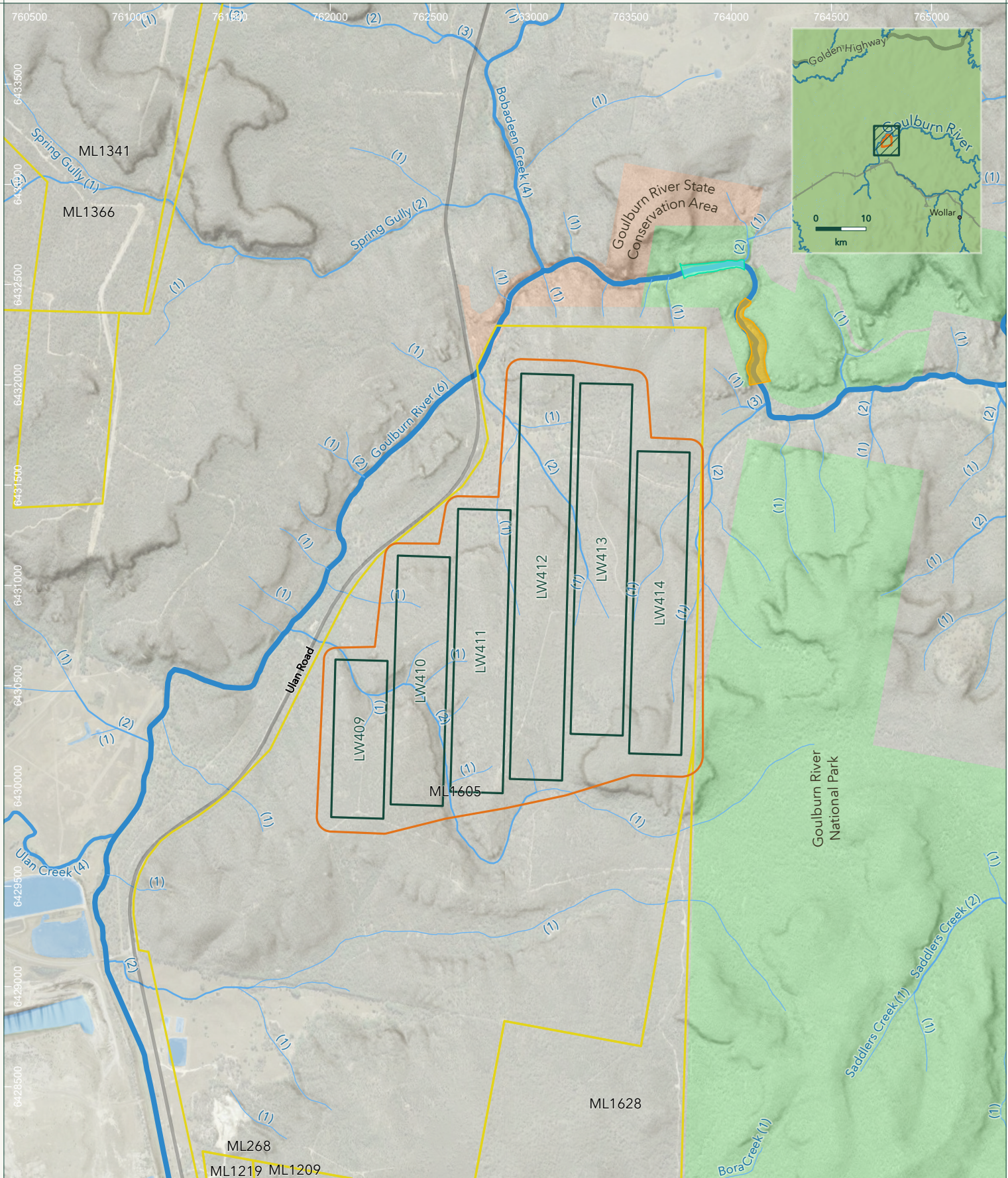
Niche Environment and Heritage Pty Ltd (Niche) has been commissioned by MCO to prepare an Aboriginal Cultural Heritage technical report to inform the Extraction Plan for UG4 LW409-414 at the Moolarben Coal Complex. This technical report is required under Condition 77(e), Schedule 3 of the Project Approval (05_0117), and will be included as an appendix to the Extraction Plan.

The objectives of this technical report are to assess the potential impacts to Aboriginal heritage values within the UG4 LW409-414 Subject Area and to inform the UG4 LW409-414 Extraction Plan accordingly, by providing appropriate mitigation and management recommendations, where required, in accordance with the currently approved HMP.



This technical report has been prepared in accordance with the HMP and with consideration for the following approval conditions and guidelines:

- Project Approval (05_0117);
- *Aboriginal cultural heritage consultation requirements for proponents 2010 (NSW Department of Environment, Climate Change and Water [DECCW] 2010a) (Consultation Requirements);*
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010b);*
and
- *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (NSW Office of Environment and Heritage [OEH] 2011).*



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- Subject Area
- UG4 LW 409-414
- Mining Titles
- Drip Gorge
- Corner Gorge

- Transport**
- Major road
- Hydrography**
- Strahler Stream Order 1
- Strahler Stream Order 2
- Strahler Stream Order 3
- Strahler Stream Order 4
- Strahler Stream Order 6

- Waterbody

- Protected Areas of NSW**
- NPWS Reserve
- National Park
- State Conservation Area

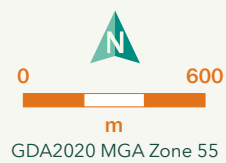
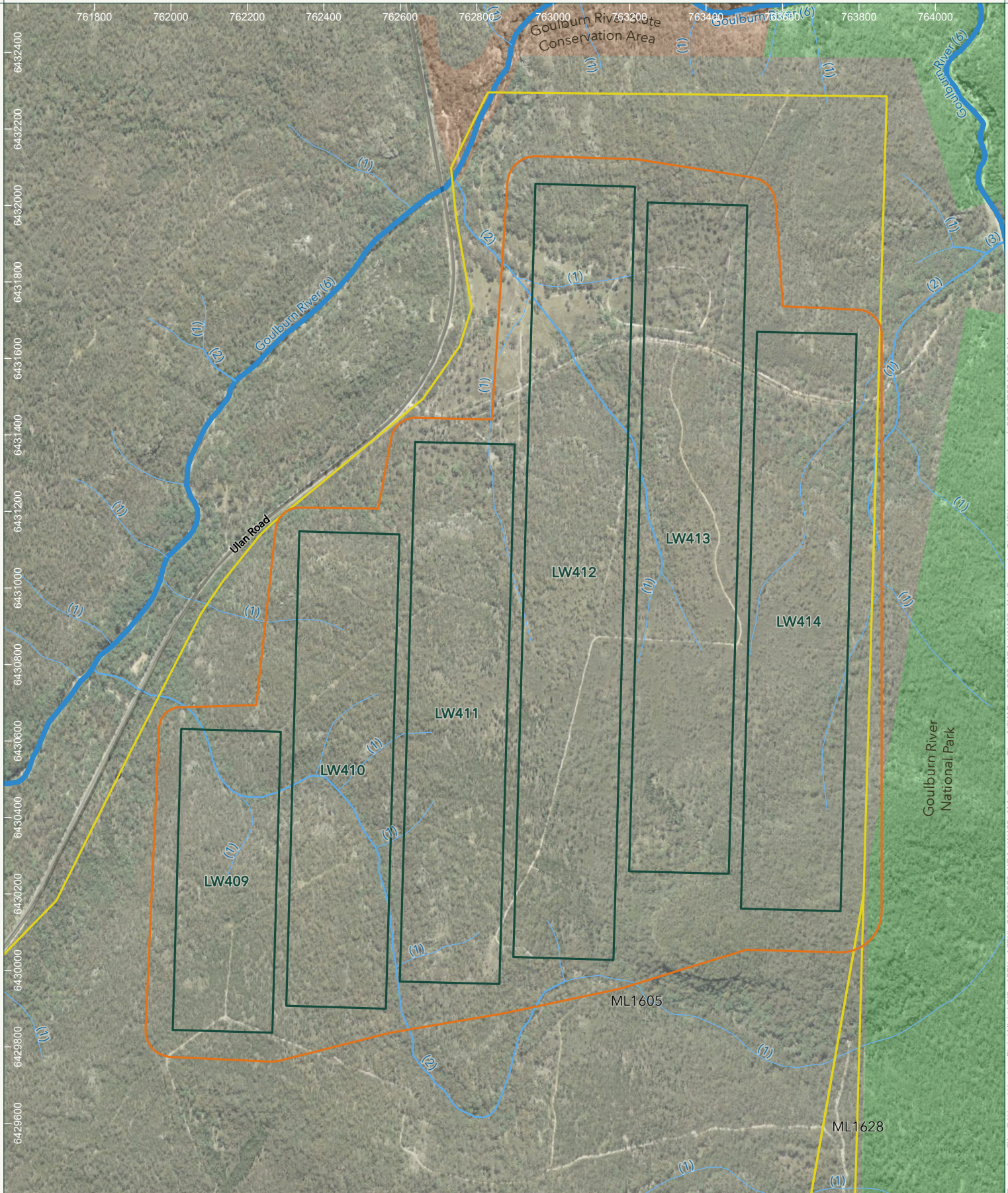


Figure 1
Regional location of Subject area
 UG4 LW409-414 Extraction Plan



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 Client: Moolarben Coal Operations



- Subject Area
- UG4 LW 409-414
- Mining Titles
- Transport**
- Major road

- Hydrography**
- Strahler Stream Order
- 1
 - 2
 - 3

- 6
- Protected Areas of NSW**
- NPWS Reserve
- National Park
- State Conservation Area



0 300

m

 GDA2020 MGA Zone 55

Figure 2
Longwalls 409-414 layout of Subject Area
 UG4 LW409-414 Extraction Plan

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NSW Office of Environment and Heritage's BioNet Atlas, which holds the data from a number of custodians. Data Obtained 13/12/2023. | Hillshade: Esri, Geoscience Australia, NASA, NGA, USGS/ public/NSW_Imagery: © Department of Customer Service 2020 | Watercourses, Waterbodies, Road and Rail alignments, Protected areas of NSW © Spatial Services 2021. | Niche uses GDA2020 as standard for all project-related data. In order to ensure that data from numerous sources and coordinate systems is aligned, on-the-fly transformation to GDA2020 MGA Zone 55 is used in the map above. For ease of reference, the grid tick marks and labels shown around the border of the map are presented in GDA2020 MGA Zone 55

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2 Investigators and contributors

This technical report has been led by Jamie Reeves, endorsed by DPHI as a suitably qualified person, with support from Chelsea Jones (Senior Heritage Consultant; Niche), Shezani Nasoordeen (Associate Heritage Consultant; Niche) and Carly Todhunter (Heritage Consultant; Niche).

A draft of this technical report was provided to all Registered Aboriginal Parties (RAPs) (Table 3) for consultation in accordance with the Consultation Requirements (DECCW, 2010a) on 4 October 2024.



3 Landscape context

The Subject Area of this report has been defined as the LW409-414 Study Area, which is the area of land within the furthest extent of the 26.5° angle of draw and 20 millimetres (mm) predicted subsidence contour (Figure 2). The Subject Area covers approximately 319 hectares (ha) and is situated within the Central Tablelands region of NSW, north-east of Ulan.

The topography ranges between undulating, ridge affected terrain and shallow alluvium and slope wash filled gullies and valleys (Strata Engineering 2006a). Topographic relief is approximately 90 metres (m) between RL 390 m (AHD) to RL 480 m (AHD). Ground slopes generally range between 10° and 20° on the ridges and decrease to between 0° and 10° on the ridge crests, foot slopes and in valley floor areas. Sandstone and conglomerate outcrops and cliff lines ranging from 5 m to 25 m high define the plateau / ridge crests. Slopes, ridges and valley floors are intersected by open depressions and gullies. Numerous loose boulders or talus exist on the mid-slopes and foot slopes of the ridges and cliff lines. The lithic to quartzose sandstone and conglomerate exposures are grey to orange-brown in colour, cross bedded and have low to high material strength (Strata Engineering 2006a).

The Moolarben Coal Project is located predominantly within the Triassic Narrabeen Group (Wollar Sandstone) and underlying Permian Illawarra Coal Measures on the western margin of the Sydney-Gunnedah Basin. Carboniferous granite basement rocks (Ulan Granite) and Rhylstone Volcanics are noted to the west and east of the lease respectively.

There are three predominant soil landscapes as mapped by Murphy and Lawrence (1998) and depicted in Figure 3. The Munghorn Plateau soil landscape characterises the majority of the Subject Area, whereas the Bald Hill soil landscape encompasses a small section of the southeast corner of the Subject Area. Lees Pinch soil landscape is also present but outside of and adjacent to the northwest boundary of the Subject Area.

Munghorn Plateau soil landscape is typically characterised by low undulating hills forming plateau with slopes between 3 percent (%) and 10%. Soils in the Munghorn Plateau Soil Landscape include shallow siliceous sands with yellow earths and yellow podzolic soils. Rock outcrops are often present. The archaeological expectation for this soil landscape is that it may accumulate Aboriginal objects, but these will be sparse outside of rockshelters, and in open contexts will be subject to post-depositional movement in the skeletal and mobile siliceous sands which erode readily.

In the Office of Environment and Heritage (2018) soil and land resource mapping, the soils are further divided into Dermosols, Rudosols, Sodosols and Tenosols. The Munghorn Plateau soils broadly correspond to Tenosols, which are characterised by having weak pedological organisation, possible bleached layers and having limited (<15%) clay content within the B horizon. Tenosols tend to develop within rocky upland areas where soil is poorly-developed. Tenosols tend to have weak profile development (with the exception of darker A horizon soils) and are generally shallow and contain high stone concentrations. The soils are generally not dispersive, however where clay content is higher or where steep slopes are present there is a greater risk of sheet and rill erosion.

The Bald Hill soil landscape is typically found in association with low undulating rises and creek flats on slopes between 2% and 10%. Yellow podzolic soils are present on the lower slopes and drainage lines with yellow and brown earths, earthy sands and occasional occurrences of yellow solodic soils with salt sands. The land and resource unit further distinguishes between the footslopes (Ulan Variant B, erosional soil and land resource unit) with shallow gravelly bleached leptic tenosols soils and the Ulan transferal unit. Generally, these Ulan footslopes have good sub-surface archaeological potential.

Rudosols are soils with little to no pedal organisation, and are characterised as young soils with little time to develop. These occur as an intermittent presence of this soil overlying rocky outcrops, especially along the margins of the UG4 area where there is severe erosion, namely the creek valleys associated with an unnamed creek and Saddlers Creek.



The Goulburn River is the primary watercourse situated to the west and north of the Subject Area. The Goulburn River was diverted in 1982 over approximately 4 km, to allow for mining to continue within the region. Saddlers Creek, a non-perennial third order creek is situated to the east of the Subject Area.

There are no known quarries for raw material sources for the manufacture of stone artefacts in the Subject Area, though the geological formations are known to have provided useable conglomerate and quartz pebbles and cobbles across the region. Outcrops and exposures of tuff and cherts within the Illawarra Coal Measures and Narrabeen Group sandstone may also have provided raw materials for the manufacture of stone artefacts.

3.1 Cliff lines

Cliff lines and steep slopes provide potential shelters and overhangs utilised by Wiradjuri people. In respect to LW409-414, four cliff lines have been recognised (these are discussed in further detail in Niche 2024a). These cliff lines are sheer to rounded in shape and range in height between 5 m and 25 m. The cliff faces slope between 60° and 85°, with numerous small overhangs or rock shelters along their bases (Strata Engineering 2006a). These shelters and overhangs would have provided transient or longer-term habitation and utilitarian or ceremonial use opportunities for past Wiradjuri people moving through the UG4 area, as evidenced by the range of material evidence of shelter use identified in Section 4.

Active natural cliff line instability processes are evident in the Subject Area and are dominated by block, wedge, or toppling failures along persistent rock mass structure (i.e., joints). Block and toppling failures are initiated by the faster weathering rates of the weaker, fine grained, lithic sandstones and shales that are present along the cliff line bases. This has resulted in the undercutting and eventual failure of overhanging quartzose sandstone units.

3.2 The Drip and Goulburn River

The Drip and the Goulburn River are culturally significant landscapes for the Wiradjuri people and have been noted as important features of the broader cultural landscape.

The Drip is a distinctive gorge formation with northern and southern sandstone cliff faces formed by the Goulburn River (which flows towards the east). The Drip has high cultural value due to the easily identifiable material remains demonstrating previous land use and the ceremonial usage of the area tied to several rock art sites present (Hamm 2006a: 82). The Drip is located approximately 645 m from the commencing end of Longwall 413 and is 770 m from the commencing end of Longwall 412 (MSEC 2024). The Goulburn River is a regionally significant waterway situated to the north and west of the Subject Area.

3.3 Ecology and ecological resources

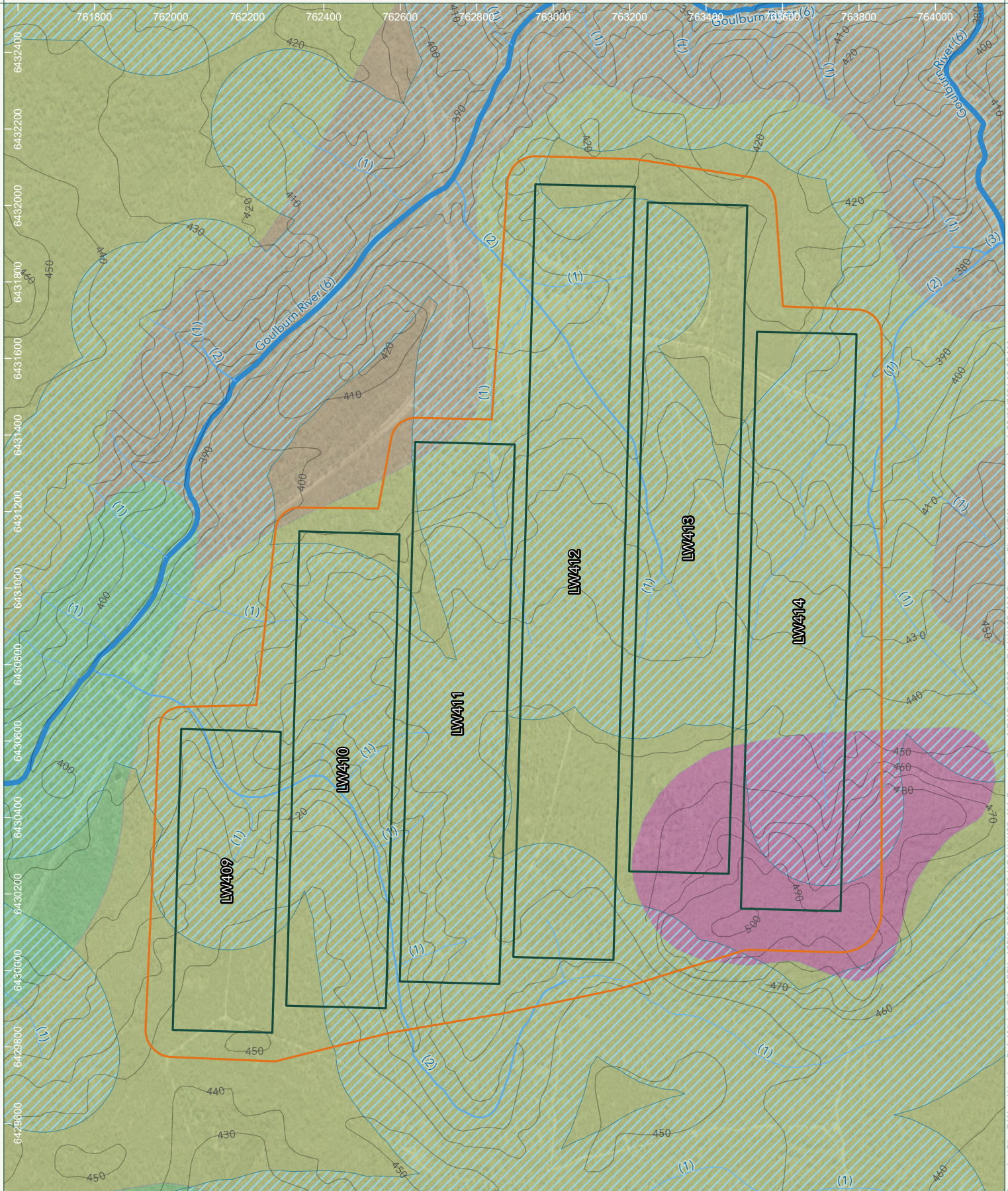
Plants of cultural or historical value to the Aboriginal community “highlight one part of the natural environment that demonstrates the Aboriginal cultural affiliation with the landscape” (Purcell 2002: 12). The Subject Area and surrounds contain numerous examples of plants and animals of traditional value.

The Subject Area is dominated by woodlands with only minor areas subject to previous clearance. The ridgelines within the Subject Area are primarily vegetated with two communities, Scribbly Gum (*E. rossii*) woodlands and Ironbark forests (Department of Climate Change, Energy, the Environment and Water [DCCEEW 2024]). Ironbark’s generally occur in shale enriched sandy soils and Scribbly Gums generally dominate in sandier infertile soils. The rock outcrops along the ridge line landscape support localised occurrences of Dwyer Redgum and other heath species.

The valleys of the Subject Area are characterised by woodland remnants around creek lines and road corridors in predominantly cleared valleys. These remanent woodlands vary in vegetation, characterised by White Box (*E. albens*), Yellow Box (*E. melliodora*) and Blakley’s Redgum (*E. Blakelyi*) (DCCEEW 2024).



The Wiradjuri people of the Moolarben area would have made extensive and obvious use of the natural resources occurring there. The Moolarben area is located within a particularly biodiverse region, as it incorporates ecological traits and species of both the sandstone environments (woodlands and forests on sandstone ridges and plateau) to the east and the western slopes and plains (red soils, large rivers and pine woodland and forests) to the west. This richness and diversity mean the Moolarben area would have been a valuable utilitarian, social and cultural asset for the Wiradjuri. Species of traditional and ongoing cultural value in the Wiradjuri economy include possums, kangaroos, wallabies, emus, wombats, lizards, snakes, goannas, birds, insects, and a range of plant species (Pearson 1981: 335). Many of these resources would have been available in the local landscape of the Subject Area, and motifs directly or abstractly representing many of these species are found in the Wiradjuri rock art of the Ulan area, speaking to both the social, utilitarian and possibly ceremonial importance of some of these plants and animals.



Subject Area

Lees Pinch

Hydrography

3

UG4 LW 409-414

Munghorn Plateau

Strahler Stream Order

6

Soil Landscapes of Central and Eastern NSW

Ulan

1

Watercourse buffer (200m)

Bald Hill

Contour (10m)

2

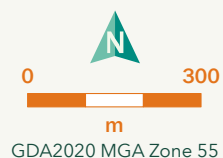


Figure 3

Soil landscapes and hydrology of Subject Area

UG4 LW409-414 Extraction Plan

Niche PM: Ben Slack
 Niche Proj. #: 8520
 Client: Moolarben Coal Operations





4 Previous archaeological work

The mining operations of Moolarben, Wilpinjong and Ulan have been subject to continuous Aboriginal cultural heritage assessment and archaeological study since the 1980s.

4.1 Previous archaeological assessments of the Subject Area

The Subject Area has been assessed for Aboriginal heritage values during environmental assessment of major project approvals, modifications to existing approvals, and exploration environmental assessments. Cultural heritage investigations and assessments previously conducted within and in proximity to the Subject Area are presented in Table 2.

Table 2: Cultural heritage investigations and assessments previously conducted within and in proximity to the Subject Area

Author and date	Report title	Overview
Niche 2024a	Archaeological Report UG4 Additional Survey, Moolarben, NSW	A survey of areas of Aboriginal cultural heritage sensitivity was conducted in March 2021 to provide further information on the nature, significance and extent of Aboriginal cultural heritage sites within and in proximity to LW401-408 and LW409-414. The survey focused on confirming the locations of known sites of high significance and investigating areas of cliff line and steep slopes in the MCO UG4 Subject Area which had not been surveyed during previous environmental assessments. The surveys were conducted in accordance with the HMP. Additional sites were identified, including open sites with stone artefacts with/without PAD and Shelters with/without Artefacts and/or PAD.
Niche 2024b	Moolarben Underground 4 Longwall 409 to Longwall 414 Aboriginal Cultural Heritage Site Verifications (<i>Report in preparation</i>)	Moolarben Coal commissioned Niche to conduct an assessment and verification of 25 Aboriginal cultural heritage sites in the UG4 area of the MCO. The site verification process comprised an audit of the site card recordings and their associated reports to confirm site location and description, site significance and site card updates within AHIMS and the MCO Archaeological Sites Database (MCOASDB). Baseline recording was undertaken. This resulted in the update of 25 Aboriginal heritage sites, 15 of which overlap with the current Subject Area including one within the current Subject Area S1MC467 (AHIMS # 36-3-4053) which had a duplicate record and was registered during that project. A number of sites were integrated into a single AHIMS ID, AHIMS listing coordinates were corrected from AGD to GDA coordinate reference systems due to errors found during a site inspection (2023a) and added details to site cards were updated.
Niche 2023a	Aboriginal Objects Due Diligence Assessment Moolarben Coal	Niche undertook a visual inspection and desktop assessment for the proposed groundwater monitoring equipment to the north of the current Subject Area, in Goulbourn National Park. The site



Author and date	Report title	Overview
	Operations- NPWS REF Monitoring Sites	inspection was completed on 21 and 22 February 2023. The site inspection revealed no Aboriginal objects or sites. The study also identified a number of discrepancies in the AHIMS data and original recording. This was addressed by Niche in a later study (Niche 2024b). This study identified five sites to the north of an outside the current Subject Area, 36-3-1098 is located outside of the current Subject Area, but adjacent. This site was verified by Niche 2024b.
Niche 2023b	Field data for Aboriginal Heritage Sites, Archaeological Report, UG4 Additional Survey, Moolarben, NSW	Niche was commissioned to undertake an additional survey of the UG4 area to support the 2012-2022 Heritage Salvage Compliance Report. The Survey was undertaken under the MCO HMP guidelines and reports of the findings of sixty Aboriginal archaeological sites, and included survey of the UG - North area. Site descriptions from this report are referred to within this report.
Niche 2023c	Moolarben Coal Complex 2021-2022 Aboriginal Heritage Salvage Compliance Report UG4 (LW401-408)	This report presents the results from the Aboriginal heritage salvage program undertaken by Niche in relation to the Stage 1 Underground Four (UG4) mine area at the Moolarben Coal Complex for the 2021- 2022 period ahead of planned ground disturbance. This Subject Area is located immediately adjacent to the southern boundary of the current Subject Area and assessment LW401 to 408.
Niche 2023d	MCO AHIMS Site Card Review PZ237 Activity Area	Niche were commissioned by MCO to undertake an independent review of AHIMS site cards for both S1MC282 (AHIMS ID# 36-3-1096) and S1MC 281 (AHIMS ID# 36-3-1095). A desktop review of the site cards was initially undertaken which identified some discrepancies in the registration and site coordinates. As a result, a visual inspection was also undertaken. A site card update was undertaken to reflect the partial destruction of site S1MC281(AHIMS 36-3-1095) by the construction of a carpark. The coordinates for S1MC282 (36-3-1096) were updated to return to the original Archaeological Risk Assessment Services (ARAS) coordinates (2006).
Niche 2019a	Addendum to Aboriginal Cultural Heritage Assessment, Moolarben Coal Operations UG4 Ancillary Works Modification	This assessment was an addendum to the original ACHA conducted in 2019. A survey was conducted over an additional 0.5 ha. No Aboriginal cultural heritage sites or areas of potential were identified during the survey.
Niche 2019b	Aboriginal Cultural Heritage Assessment, Moolarben Coal Operations UG4 Ancillary Works Modification	This assessment included a survey of the whole area of proposed modification and ranged across several different contexts including unmodified woodland, cleared areas of pasture, cleared areas of partially regrown woodland and vehicle tracks and roads. The survey resulted in the recording of four Aboriginal Heritage sites. This assessment recorded two



Author and date	Report title	Overview
		previously recorded site, S1MC 230 and S1MC 278 and two additional sites, S1MC 460 and S1MC 461.
Niche 2016	Moolarben UG4 Exploration Boreholes - Aboriginal Objects Due Diligence Assessment	This due diligence assessment considered the proposed sites for 8 boreholes and associated access tracks in the UG4 area. The assessment included the partial survey of the Dewatering Bores and Access Track (South) area, but did not overlap elsewhere with other parts of the UG4 Ancillary Works Modification Study Area. No Aboriginal Heritage sites were found in the UG4 Ancillary Works Modification Study Area by this due diligence assessment.
AECOM 2014	Aboriginal archaeological due diligence assessment for Underground 4 (UG4) south drilling works	AECOM Australia Pty Ltd (AECOM) conducted due diligence assessment for a drilling program in the UG4 area. This due diligence assessment resulted in the recording of an open stone artefact site on the vehicle track in the Dewatering Bores and Access Track (South) area. This site is site number S1MC357.
AECOM 2011	Archaeological Collection & Excavation: Northern Borefield Moolarben Coal Operations, Ulan, NSW	AECOM was commissioned by MCO to conduct surface collection of 12 open sites with stone artefacts and excavation of two PAD sites prior to impacts from the construction of a water pipeline and series of connected water boreholes within the Northern Borefield of Moolarben Coal Mine, NSW.
Hamm 2006a	Moolarben Stage 1 Aboriginal Cultural Heritage Assessment	This assessment included survey of a targeted sample of areas in the rocky country above the UG4 area, and extensive sampling of the lower slopes and flats where the current MCO Stage 1 open cuts and facilities are located. The survey recorded a range of Aboriginal Heritage sites within the UG4 area including isolated finds, open sites with stone artefacts, grinding groove sites and Shelters with/without Art, Artefacts, Deposit, Grinding Grooves or PAD. A cluster of sites of high archaeological significance were also identified outside of the current Subject Area but approximately 80 to 100m from the buffered Subject Area. These have been included in Section 5.1 of the current report.
Hamm 2006b	Response to issues raised in respect of the Moolarben Coal project Aboriginal Cultural Heritage Assessment	In Responses to Submissions, Hamm considered the known Aboriginal Heritage sites in the context of the Preferred Underground Mine Plan including the revision of the risk of subsidence impacts.



4.2 Previous survey coverage of the Subject Area

A review of previous survey coverage has been undertaken against topographic data and aerial imagery and indicates that an extensive portion of the Subject Area has been surveyed to date (Figure 4). Within the Subject Area, a total of approximately 262 ha (82%) has been surveyed to date. This has provided good coverage across the Subject Area as a whole, with particular focus within areas of greatest archaeological sensitivity and potential impact associated with mining subsidence. The subsidence predicted in respect to LW409-414 is not severe and therefore 100% coverage across the Subject Area would not be warranted. Furthermore, the landforms present within the Subject Area and the relatively high proportion of closed sites within MCO more generally indicates that flat areas away from rocky exposures are having low likelihood of containing Aboriginal cultural heritage sites.

Previous survey efforts used a targeted sampling strategy to target landforms containing site types susceptible to subsidence, including:

- Breaks of slope where boulders could be present.
- Open depressions and gullies with exposed rock.
- Cliff lines, steep slopes, and ridgelines with exposed rock.

4.3 Archaeological model and synthesis of Wiradjuri land use in the Subject Area

The previous archaeological work at the Ulan, Moolarben and Wilpinjong Coal Mines represents a very intensive amount of study for a relatively small area. As such a good model of past Wiradjuri land use and its archaeological traces has been developed by Kuskie (2009).

The model states that most evidence of occupation will date within the last 5,000 years though may have extended 30,000 – 40,000 years Before Present (BP). The model determines three zones of resources: primary resource zones, secondary resource zones and a third zone that encompasses the land beyond primary and secondary resource zones (Kuskie 2009: 79-87).

In the Upper Macquarie region however, terminal Pleistocene radiocarbon estimates have only been identified in closed rockshelter contexts for the region. The earliest evidence of Aboriginal occupation in the region was found at Granites 2 Shelter, located approximately 150 km south-west of the Subject Area, and dates to the terminal Pleistocene, 7,000 years BP (Pearson 1981). A number of other archaeological excavations have been undertaken in the nearby area and resulted in dates of occupation in the last 5,000 years (Kuskie 2009).

Excavations at a rock shelter site at Bobadeen (situated approximately 20 km north-west of the Subject Area) resulted in the recovery of a large assemblage of 16,000 artefacts including a significant quantity of Bondi points and bone implements mostly manufactured from quartz and grey chert. A radiocarbon date of $7,750 \pm 120$ BP (ANU-124) was determined for the basal occupation of the site (Moore 1970). Results from the excavation of Botobolar shelter provided a basal date of occupation at this site of $5,770 \pm 100$ BP (ANU-1574) from charcoal associated with spit B7 while an overlying date of $5,590 \pm 190$ BP (AHUN-1573) was obtained for charcoal from spit B4 (Pearson 1981). In general, terminal Pleistocene occupation in semi-arid and arid environments are only known to occur in what has been termed "primary" or "secondary" resource zones (Kuskie 2009).

Primary resource zones: areas of more abundant and diverse resource rich zones in north-east Wiradjuri territory including the junction of the higher order watercourses such as Goulburn and Talbragar Rivers would most likely be a focus of occupation. These zones may have supported nuclear and extended family base camps, community base camps and congregations of larger groups. This zone may have been subject to longer stays and more frequent occupation than other areas, such as, secondary resource zones. The model states that these zones would contain substantially higher counts and densities of artefacts, a greater range of stone materials and artefact types and a higher number of activity areas would be present.

Secondary resource zones: these are areas where resources such as watercourses, swamps and wetlands occur in proximity of higher order watercourses and associated flats and terraces. Examples of secondary resource zones



in the Ulan area include higher order parts of Moolarben Creek. In the model these zones were utilised for regular but sporadic seasonal encampments of small parties, but occupations of the encampments would typically have been for short periods. Compared to the surrounding areas this resource zone will host moderately higher counts and densities of artefacts, a number of activity areas, and a relatively broad range of raw materials and artefact types (but much lesser range than sites in primary resource zones).

Outside primary and secondary zones: occupation is anticipated to be hunter gatherer activities with small parties of men, women or children. Movement across the landscape would be transitory between resource locations and may include special purpose journeys for ceremonial purpose or the procurement of stone. Utilisation of landforms such as simple slopes, ridge crests, spur crests and lower order watercourses would be far less intense than that found in primary and secondary resource zones. The evidence of this occupation would be low to very low artefact counts and densities, little range in the number of activity areas, and dates of sporadic occupation rather than continuous occupation. Evidence of stone quarries at sources may also be present.

In this model, the Subject Area contains areas within or in close proximity to secondary resource zones where unnamed second-order tributaries flow towards and into the Goulburn River and areas that would be considered outside of primary and secondary zones.

Activities that may have occurred in the landscape include food procurement and processing, food consumption, maintenance and production of tools, the building of shelter, children's play and learning, ceremonial activity, spiritual activity, burials and social and political activity by Aboriginal people.

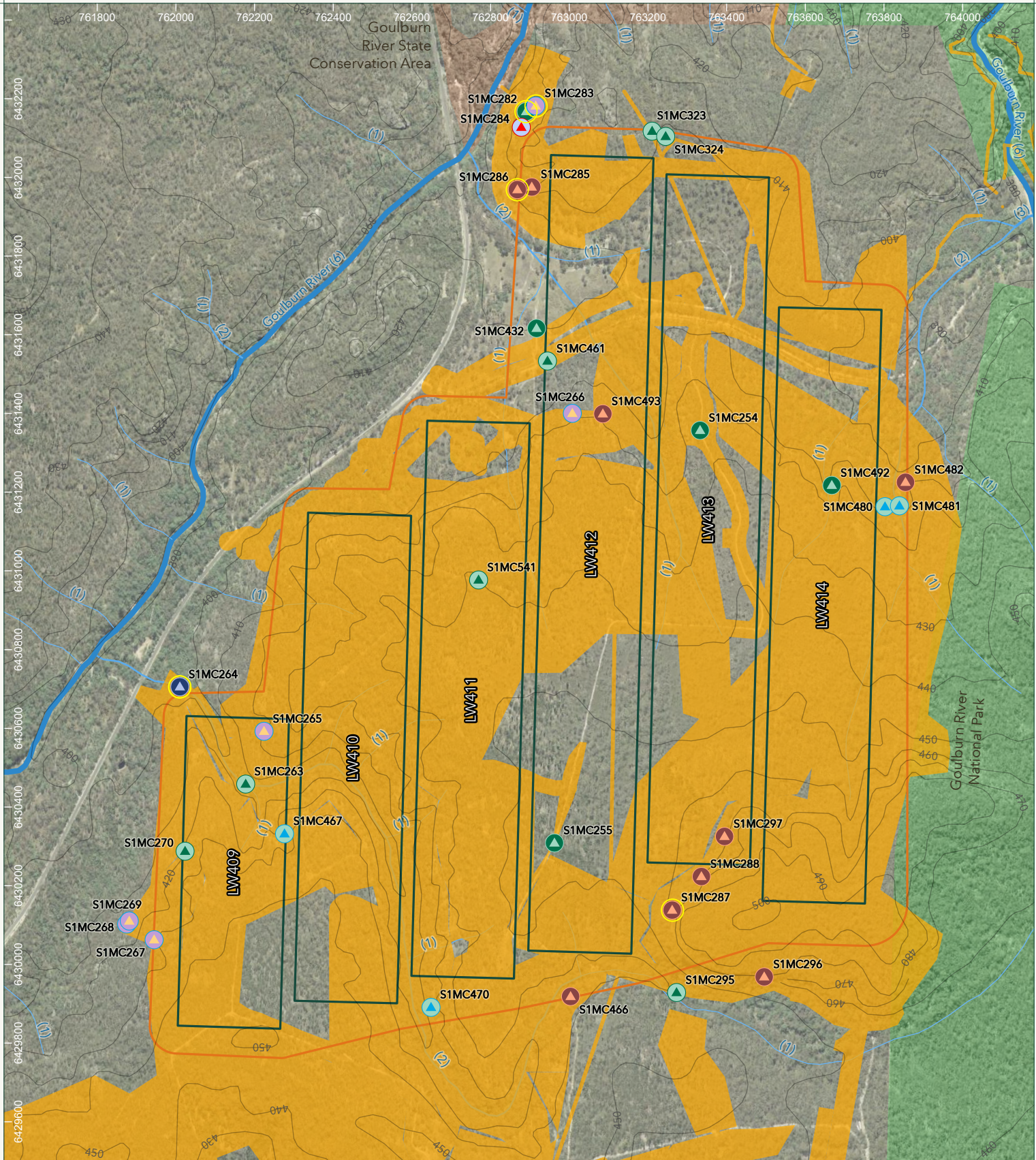
Many of these past activities in the landscape by Wiradjuri people will have left archaeological evidence that can be discovered and interpreted. For instance, food procurement and processing might be evident through the presence of usewear and residue on stone tools. The stone tools themselves are also evidence of other day-to-day activities such as the creation and use of other tools and products, which may be made from organic material that does not survive in the archaeological record. Social, cultural and cosmological aspects of life can be interpreted from rock-art and ceremonial activities may be inferred from the presence of carved trees, bora grounds and stone arrangement.

The archaeological model predicts that most stone artefacts will be made of quartz due to its ease of access and availability in the local landscape. The model hypothesises that the relative intensity of use of each of the materials will be dependent on the proximity of the original source of the stone. Most stone procurement is hypothesised to have occurred during normal daily and seasonal movement without the need for special purpose visits to raw material sources. As a result of the abundance of available local stone, the stone is less likely to exhibit intensive reduction as evidence of conservation of material.

Most stone technology will be basic and non-specific (e.g. complete and broken flakes) with low frequencies of microblade or microlithic technologies, bipolar knapping, backing and usewear. Grinding grooves for the sharpening of ground edge axes may occur on exposed sandstone bedrock but are a rare site within the region. Where they occur in areas of hills and ridges, these occurrences would most likely represent occasional activity and short-term activities.

The predicted use of this area by Wiradjuri people in the past was that it was utilised for regular but shorter visits to transitory visitation of small family groups, moving to and from primary and other secondary resource zones with special visits for ceremonial purposes and resource acquisition. Accordingly, the past traces of Wiradjuri land use are predicted to reflect this, with the area containing a moderate number of sites, and sites that contain low to moderate numbers of artefacts and features.

The Subject Area is characterised primarily by occupation sites along the unnamed tributaries of Goulburn River including shelter sites containing artefacts or PAD (e.g. S1MC263, S1MC470, S1MC480-482 S1MC493) or open sites containing artefacts. S1MC 264 is situated near to the boundary of the Subject Area and is notable for its numerous site features comprising artefacts, grinding grooves and PAD.



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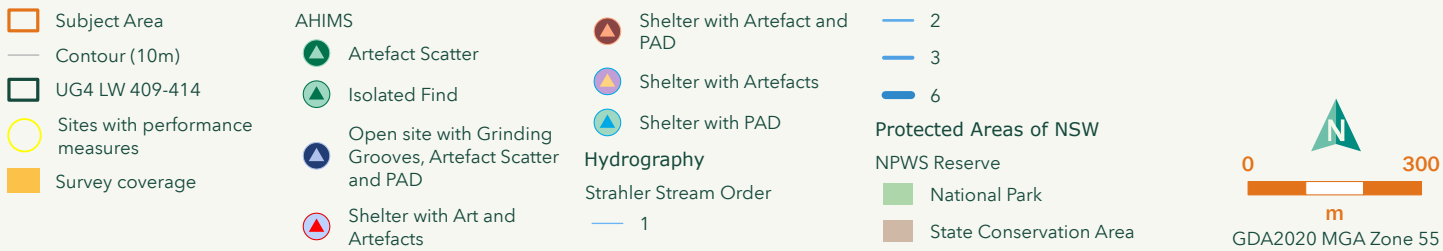


Figure 4
Surveyed areas
 UG4 LW409-414 Extraction Plan



Niche PM: Ben Slack
 Niche Proj. #: 8520
 Client: Moolarben Coal Operations



5 Consultation process

In accordance with the HMP, consultation with eight Registered Aboriginal Parties (as listed in Table 3) is undertaken on an ongoing basis.

Table 3: List of Registered Aboriginal Parties for Moolarben Coal Complex

Registered Aboriginal Parties
Aleisha Lonsdale
Craig McConnell
Mudgee Local Aboriginal Land Council
Murong Gialinga Aboriginal and Torres Strait Islanders Corporation
North-East Wiradjuri Company Ltd
Warrabinga Native Title Claimants Aboriginal Corporation
Warranha Ngumbaay
Wellington Valley Wiradjuri Aboriginal Corporation

5.1 Draft report review

All eight RAPs were provided with a copy of the draft report on 4 October 2024. A statutory timeframe of a minimum of 28 days for responses was provided to all RAPs with the closing date for submissions 1 November 2024.

A meeting was held on 23 October 2024 to discuss with RAPs the findings of the extraction plan, the significance and impact assessment and to discuss the proposed management approach.

A number of RAPs provided feedback during the review period. Their comments are outlined in Table 4.



Table 4: RAP review comments and responses

RAP	Comment provided	Response
<p>Bradley Bliss (Wellington Valley Wiradjuri Aboriginal Corporation)</p>	<p>The grinding groove site must be 3D scanned and High Resolution photos taken using ALL available options by the Archaeologists and if RAPs have the capability they Must be allowed to use varying devices at their disposal to 3D scan and take High Resolution images of this site.</p> <p>Ongoing Monitoring of the Grinding Groove site must start a minimum of six (6) months prior to mining activity within 120m of this site and continue for up to 18 months post mining within 120m of this site with inspections occurring every 6 months with comparison images taken at each site inspection.</p> <p>The grinding groove site must have residue analysis conducted on it by a suitability qualified person in this field with recommendations from RAP's. The report must be forwarded to RAP's as soon as it is available, not months later at an annual meeting.</p> <p>All Rock Shelters within 120m of subsurface mining activity must be 3D scanned and High Resolution photos taken using ALL available options by the Archaeologists and if RAPs have the capability they Must be allowed to use varying devices at their disposal to 3D scan and take High Resolution images of this site.</p> <p>Ongoing Monitoring of the Rock Shelter sites must start a minimum of six (6) months prior to mining activity within 120m of this site and continue for up to 18 months post mining within 120m of this site</p>	<p>The method of baseline recording of Aboriginal cultural heritage sites at the Moolarben Coal Complex includes high-resolution photography and 3D scans. MCO are currently considering options available to share the outcomes of baseline recording directly with RAPs for the entire Complex, which would include any recording from UG4 LW409-414 when available.</p> <p>It is noted there are no sites with grinding grooves or rock art within the Subject Area. It is considered unlikely that ground cracking from subsidence would impact artefacts and grinding grooves outside the Subject Area. Subsidence impacts to shelters located outside the Subject Area are unlikely to occur. On this basis, the Subsidence Assessment (MSEC 2024) determined it is expected the performance measure of reduce the likelihood of subsidence damage to low for sites 264, 282, 283, 286, 287 and 284 will be achieved.</p> <p>Pre- and post-mining inspections would be undertaken for Aboriginal cultural heritage sites with performance measures located outside the Subject Area (including sites with grinding grooves or rock art).</p>



	<p>with inspections occurring every 6 months with comparison images taken at each site inspection.</p> <p>ALL Rock Shelter Sites and the Grinding Groove Site must have GNSS monitoring stations located at the sites in areas identified by Engineers in full onsite consultation with RAP's to ensure RAP's and the Aboriginal community are in agreement.</p> <p>Any indented Rock Art must undergo High Resolution Photography recording with all images processed through a spectrum analysis program/App such as DeStretch to identify all pigmentation that is not currently visible to the human eye. If RAPs have the capability they Must be allowed to use varying devices at their disposal to take High Resolution images of the art site.</p> <p>Site inspection reports must be supplied to ALL RAP's within 4 weeks of the site inspection.</p>	
<p>Warrabinga Native Title Claimants Aboriginal Corporation</p>	<p>Inclusion of Managed Aboriginal Heritage Sites:</p> <p>We request the inclusion of the currently managed Aboriginal heritage sites—S1MC 254, S1MC 255, S1MC 324, S1MC 461, and S1MC 466—in Table 3: Aboriginal Sites within and in Proximity to the Study Area. We understand these sites are under management but think that these sites are of cultural importance and must be acknowledged in the Plan for appropriate management and monitoring.</p>	<p>S1MC254 (Artefact Scatter), S1MC255 (Artefact Scatter), S1MC324 (Isolated Find) and S1MC461 (Isolated Find) have been salvaged and therefore are no longer in situ.</p> <p>These sites are included in the Aboriginal Cultural Heritage Report however were not included in the Heritage Management Plan as there are no applicable management measures for site which are no longer in situ.</p> <p>S1MC466 (Shelter with Artefacts and PAD) is included in Table 3 of the Heritage Management Plan.</p>
	<p>Management Plans for Rock Shelters and Overhangs:</p>	<p>Site S1MC280 is a Shelter with Art, Grinding Grooves, Artefacts and PAD assessed as being of high significance which was previously</p>



	<p>During the RAP presentation on 23rd October 2024, an example was shown of site S1MC 280, located within the LW401-408 study area, with management plans that included a monitoring program, shortening of face, and vertical stress relief. We seek confirmation that similar management measures will be implemented for rock shelters and overhangs within the UG409 to UG414 study area, especially those predicted to experience potential fracturing and rockfall at moderate levels, as outlined in the MSEC report.</p>	<p>located directly above the area to be undermined for LW401-408. In consideration of the site's significance and features, a site-specific management plan was prepared which detailed additional avoidance and management measures to comply with the performance measure of "reduce the likelihood of subsidence damage to moderate".</p> <p>All rock shelter sites above LW409-414 have been assessed as either low or moderate significance and do not have any associated performance measures. On this basis, revisions to the mine plan and site-specific management plans are not proposed.</p>
	<p>Clarification on Monitoring Post-Salvage:</p> <p>Section 6.2.2 of the draft Heritage Management Plan states that monitoring of potential subsidence impacts will be undertaken for a few rock shelters unless they have been previously salvaged. Could you please clarify if this means that salvaged rock shelters will not be subject to further monitoring? We believe ongoing monitoring, regardless of salvage status, is crucial to understanding long-term impacts.</p>	<p>All sites will be subject to inspection following undermining to record any impacts and update AHIMS, if required.</p> <p>This is separate to post-mining monitoring of sites with performance measures outside the Subject Area to confirm no impacts have occurred.</p>
	<p>Frequency of Monitoring:</p> <p>We believe that the proposed six-monthly monitoring schedule is too infrequent, given the high distribution of Aboriginal sites within the area. We recommend that monitoring be conducted three months after undermining to ensure timely identification and mitigation of impacts.</p>	<p>As described in Section 6.2.2 of the Heritage Management Plan, post-mining monitoring/inspection will occur within three to six months of undermining. This is consistent with the approved complex-wide Heritage Management Plan.</p>



	<p>Reporting Frequency:</p> <p>In Section 6.2.2 (<i>HMP</i>), it is stated that copies of monitoring reports will be distributed to RAPs during the annual review. We consider this timeframe to be insufficient and suggest that reports be shared quarterly to keep RAPs fully informed and allow for timely responses to emerging issues.</p>	<p>MCO are currently considering options to share Aboriginal cultural heritage information as it becomes available directly with RAPs for the entire Complex, including reporting.</p>
	<p>Consultation in Salvage and Excavation:</p> <p>Under Section 6.2.3 (<i>HMP</i>), regarding surface collection and excavation, the first paragraph mentions that salvage and test excavation of sites will be undertaken in consultation with an archaeologist. We request that RAPs also be included in this paragraph to avoid any confusion and to ensure culturally appropriate decision-making.</p>	<p>This update has been made as suggested.</p>
	<p>More Frequent Reviews and Portal Access:</p> <p>As discussed during the meeting on 23rd October 2024, annual reviews (Section 8.1 of the <i>HMP</i>) are insufficient for the scale of work being undertaken. We request that reviews be conducted at least quarterly. Additionally, we suggest establishing a portal that would allow RAPs to access reports and submit questions on an ongoing basis, which would foster greater transparency and collaboration.</p>	<p>As above, MCO are currently considering options to share Aboriginal cultural heritage information as it becomes available directly with RAPs for the entire Complex, including reporting.</p>
<p>Craig McConnell (Individual)</p>	<p>The UG4 LW409-414 should not proceed as it is too close in proximity to the Goulburn River and Drip area. This special place cannot in anyway be put in jeopardy by the greedy extraction of Coal near its vicinity. The Goulburn River system which is fed by many aquifers will again be put under more stress. Subsidence and</p>	<p>The significance of the Goulburn River and the Drip to the Aboriginal community is acknowledged. Details of their landscape features and high cultural significance have been included in Section 3.2.</p>



	<p>the Underground extraction of water will effect the Drip Gorge , the River and the whole integrity of this amazing place. if these Longwalls do proceed.</p> <p>The area is very special to my people, to all people and should not be comprimised for greed.</p>	<p>The UG4 LW409-414 Extraction Plan and all supporting management plans include management measures to ensure performance measures for these features are achieved.</p> <p>The Subsidence Assessment (MSEC, 2024) has determined that mining-related impacts to the Drip and Corner Gorge due to the extraction of LW409-414 are considered unlikely to occur. A subsidence monitoring program and Trigger Action Response Pan has been developed for the Drip and Corner Gorge, detailed in the LW409-414 Land Management Plan.</p> <p>The Subsidence Assessment (MSEC, 2024) has also determined subsidence impacts to the Goulburn River would be negligible, and therefore mining of LW409-414 would result in negligible impact or environmental consequence on the Goulburn River. Further detail on monitoring of the Goulburn River is provided in the LW409-414 Water Management Plan.</p>
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6 Aboriginal heritage sites

6.1 Register searches and MCO Aboriginal site database

MCO maintains an Aboriginal Sites Database which provides an up-to-date database of all known Aboriginal Heritage sites at the Moolarben Coal Complex. The database was interrogated to provide a list of all known Aboriginal Heritage sites within and in proximity (100 m) to the Subject Area. This was cross-checked against the AHIMS site records for the Subject Area and surrounds and with previous reporting for UG4 (Niche 2024a and 2024b) for consistency. An extensive AHIMS search was conducted 28 March (Client Service ID 876865) and 25 September (Client Service ID 933818) 2024 (Annex 1).

In total, 33 Aboriginal cultural heritage sites have been identified within and in proximity to the Subject Area. A summary of known Aboriginal Heritage sites by site features previously recorded within and in proximity to the Subject Area is presented in Table 5.

Table 5: Count of recorded Aboriginal heritage sites within and in proximity to the Subject Area by site type

Site Type	Number of Sites	Percentage
Sites within the Subject Area		
Artefacts	4	12%
Isolated Find	5	15%
Shelter	14	42%
SUB TOTAL	23	70%
Sites in proximity to the Subject Area		
Artefacts	1	3%
Isolated Find	2	6%
Grinding Grooves	1	3%
Shelter	6	18%
SUB TOTAL	10	30%
TOTAL	33	100%

Note: Shelters include shelters with/without artefact(s) and/or PAD and/or art. Grinding grooves includes grinding grooves with artefacts and PAD.



Among these 33 sites, 23 sites are located within the Subject Area. Of the 23 sites within the Subject Area, four sites (S1MC254, S1MC255, S1MC324 and S1MC461) have been salvaged and 19 sites are *in situ*. Another site within the Subject Area has been partially managed (S1MC466). This site was subject to surface collection in November 2022 however during a subsequent survey (Niche 2023b) a PAD was identified which requires future management. The remaining 10 sites are located in proximity to the Subject Area; one site (S1MC323) has been salvaged and nine sites are *in situ*.

The Stage 1 Project Approval (05_0117) provides subsidence impact performance measure of "reduce the likelihood of subsidence damage to low" for Aboriginal heritage sites S1MC264, S1MC282, S1MC283, S1MC286 and S1MC287 which are within or in proximity to the Subject Area. Only one of these sites (S1MC287) is within the Subject Area.

Table 6 below provides a summary of the site type and features present for the sites within and in proximity to the Subject Area. All sites identified as managed are not considered further in this report.

Table 6: Aboriginal Heritage sites within and in proximity to the Subject Area

AHIMS ID	Site name	Site type	Easting (GDA 2020 MGA Zone 55)	Northing (GDA 2020 MGA Zone 55)	Location in relation to Subject Area	Number of artefacts/features
Sites within the Subject Area						
36-3-1069	S1MC254	Artefact scatter	763332	6431357	Within	2 quartz artefacts <i>Site has been managed</i>
36-3-1070	S1MC255	Artefact scatter	762962	6430307	Within	7 artefacts <i>Site has been managed</i>
36-3-1078	S1MC263	Isolated find	762177	6430458	Within	1 quartz artefact
36-3-1080	S1MC265	Shelter with artefact(s)	762224	6430592	Within	2 artefacts
36-3-1081	S1MC266	Shelter with artefact(s)	763008	6431400	Within	1 artefact
36-3-1082	S1MC267	Shelter with artefact(s)	761945	6430063	Within	10 artefacts
36-3-1085	S1MC270	Isolated find	762024	6430287	Within	1 quartz artefact



AHIMS ID	Site name	Site type	Easting (GDA 2020 MGA Zone 55)	Northing (GDA 2020 MGA Zone 55)	Location in relation to Subject Area	Number of artefacts/features
36-3-1099	S1MC285	Shelter with artefact(s) and PAD	762905	6431976	Within	3 artefacts and sandy deposit
36-3-1101	S1MC287	Shelter with artefact(s) and PAD	763262	6430138	Within	28 artefacts and sandy deposit
36-3-1102	S1MC288	Shelter with artefact(s) and PAD	763336	6430223	Within	2 artefacts and skeletal deposit
36-3-1111	S1MC297	Shelter with artefact(s) and PAD	763395	6430325	Within	5 artefacts and sandy floor deposit
36-3-2597	S1MC324	Isolated find	763245	6432104	Within	1 quartz artefact <i>Site has been managed</i>
36-3-3236	S1MC432	Artefact scatter	762917	6431617	Within	3 quartz artefacts
36-3-3470	S1MC461	Isolated find	762946	6431534	Within	1 artefact <i>Site has been managed</i>
36-3-3804	S1MC466	Shelter with artefact(s) and PAD	763003	6429918	Within	21 stone artefacts and sandy deposit <i>Site has been partially managed</i>
36-3-3871	S1MC541	Isolated find	762769	6430977	Within	1 artefact
36-3-3877	S1MC480	Shelter with PAD	763803	6431163	Within	Sandy deposit



AHIMS ID	Site name	Site type	Easting (GDA 2020 MGA Zone 55)	Northing (GDA 2020 MGA Zone 55)	Location in relation to Subject Area	Number of artefacts/features
36-3-3878	S1MC493	Shelter with artefact(s) and PAD	763085	6431399	Within	1 artefact and deposit
36-3-3880	S1MC470	Shelter with PAD	762649	6429891	Within	Exfoliated sandy deposit
36-3-3881	S1MC481	Shelter with PAD	763839	6431165	Within	Sandy deposit
36-3-3882	S1MC482	Shelter with artefact(s) and PAD	763855	6431225	Within	7 artefacts and sandy deposit
36-3-3883	S1MC492	Artefact scatter	763667	6431217	Within	2 artefacts
36-3-4053	S1MC467	Shelter with PAD	762276	6430332	Within	Deposit is 5 cm in depth at dripline

Sites in proximity to the Subject Area

36-3-1079 and 36-3-0008	S1MC264 / Curra Creek; Goulburn River (duplicate records)	Grinding grooves, artefact scatter and PAD	762010	6430705	22 m	78 grinding grooves 6 artefacts PAD
36-3-1083	S1MC268	Shelter with artefact(s)	761875	6430102	70 m	1 artefact
36-3-1084	S1MC269	Shelter with artefact(s)	761882	6430110	63 m	1 artefact
36-3-1096	S1MC282	Artefact scatter	762890	6432167	59 m	65 artefacts

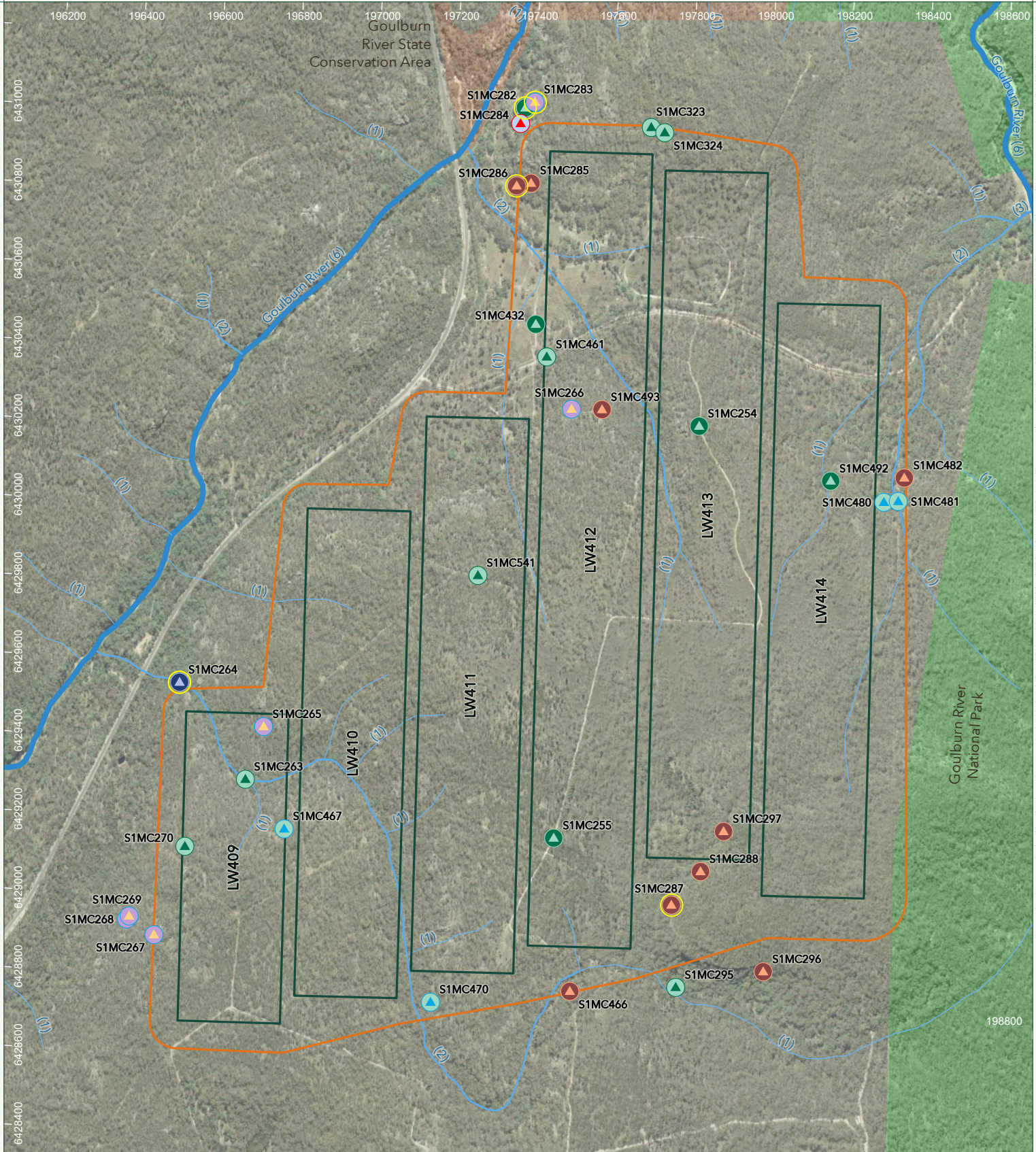


AHIMS ID	Site name	Site type	Easting (GDA 2020 MGA Zone 55)	Northing (GDA 2020 MGA Zone 55)	Location in relation to Subject Area	Number of artefacts/features
36-3-1097	S1MC283	Shelter with artefact(s)	762915	6432182	63 m	6 artefacts
36-3-1098	S1MC284	Shelter with art and artefact(s)	762878	6432127	33 m	9 artefacts and 9 art motifs
36-3-1100	S1MC286	Shelter with artefact(s) and PAD	762868	6431969	7 m	28 artefacts and skeletal deposit
36-3-1109	S1MC295	Isolated find	763273	6429928	52 m	1 quartz artefact
36-3-1110	S1MC296	Shelter with artefact(s) and PAD	763496	6429968	79 m	13 artefacts and skeletal deposit
36-3-1417	S1MC323	Isolated find	763211	6432118	1 m	1 artefact <i>Site has been managed</i>

Note: **Bold Sites** represent the sites have performance measures or voluntary performance measures.

6.2 Site descriptions

Detailed site descriptions for all sites within and in proximity to the Subject Area are provided in Annex 3. Section 14.1 of Annex 3 includes all sites situated within the Subject Area. Section 14.2 of Annex 3 includes all sites situated in proximity to the Subject Area (within a 100 m buffer).



Subject Area

UG4 LW 409-414

Sites with performance measures

AHIMS

Artefact Scatter

Isolated Find

Open site with Grinding Grooves, Artefact Scatter and PAD

Shelter with Art and Artefacts

Shelter with Artefact and PAD

Shelter with Artefacts

Shelter with PAD

Hydrography

Strahler Stream Order

1

2

3

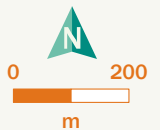
6

Protected Areas of NSW

NPWS Reserve

National Park

State Conservation Area



GDA2020 MGA Zone 55



Figure 5

Aboriginal cultural heritage sites within and in proximity to LW409-414 Subject Area
UG4 LW409-414 Extraction Plan

Niche PM: Ben Slack
Niche Proj. #: 8520
Client: Moolarben Coal Operations



6.3 Analysis and discussion

6.3.1 Site distribution

The sampling strategy and combined survey effort over many years proved to be effective in identifying Aboriginal cultural heritage sites within the LW409-414 Subject Area in UG4. Commonly occurring site types include open sites with stone artefacts and isolated finds within erosional and disturbance contexts within undulating plains, gentle ridge slopes, rolling hill and mid-slope contexts of ridgelines. The prevalence and spatial distribution of isolated finds is contingent on the presence of high visibility and exposure, namely within vehicle tracks and exposures within and adjoining rock shelters.

Shelters and overhangs were identified during the surveys over the years within most cliff lines and along moderate and steep slopes within the LW409-414 Subject Area. Shelter sites demonstrate clustering in several locations, alongside the presence of cliff lines and overhangs, and another cluster within significant cliff lines within close proximity to the eastern bank of Goulburn River. During the 2021 field program conducted in respect to proposed longwall mining of LW409-414, significant areas of moderate and steep slope classes were surveyed.

Survey coverage across the Subject Area has been achieved consistent with the HMP, targeted all landforms containing site types susceptible to subsidence, including:

- Breaks of slope where boulders could be present.
- Cliff lines, steep slopes and ridgelines with exposed rock.
- Open depressions and gullies with exposed rock.

6.3.2 Site types and frequency

Site patterning observed from previous surveys within the UG4 area has demonstrated that the vast majority of sites occur within 200 m of a drainage line. The spatial association with the Goulburn River, in particular, is an important regional resource zone with potential for site occurrence within primary resource zones. Within the present Subject Area, the most significant clustering occurs with proximity to drainage lines (Figure 3). Within the Subject Area, only first- and second- order streams are present however the north of the Subject Area is in proximity to the sixth-order sections of the Goulburn River.

Three sites (S1MC287, S1MC288 and S1MC297) are situated in more remote contexts occurring more than 175 m from the nearest drainage lines and are associated with the Bald Hill soil landscape. All three rock shelters occur within sheltered areas and contain artefacts and PAD demonstrating their cultural use.

Amongst the 19 *in situ* sites within the Subject Area, the most common site type is shelter sites with/without artefact(s) and/or PAD (of which there are 14, 73%). Of the 14 shelter sites, four contain only artefact(s) (28.5%), four contain only PAD (28.5%) and six contain artefact(s) and PAD (43%). The remaining five sites within the Subject Area consist of three isolated finds (16%) and two artefact scatters (11%).

Amongst the nine *in situ* sites in proximity to the Subject Area, the most common site type is shelter sites (n=6, 67%). Of these sites, three contain only artefact(s) (50%), two contain artefact(s) and PAD (33%) and one contains art and artefact(s) (17%). The remaining three in proximity to the Subject Area are registered as isolated finds (11%), artefact scatters (11%) and grinding grooves with artefact(s) and PAD (11%).

No sites situated within the Subject Area have been identified to have high rarity values, with all sites containing features that are common for Moolarben Coal Complex and the region. The condition of sites present within the Subject Area varied between poor to good, however the majority have been identified to be in poor condition.



6.3.2.1 Overview and comparison

A comparison of site features recorded within UG4 relative to the broader Moolarben Coal Complex and Ulan and Wilpinjong mines has previously been undertaken (Niche 2024a). Whilst many of the variations in site type and frequency across the three mine sites can be explained through the different landforms and landscapes present, the following statements have been made regarding the archaeological resources within UG4:

- UG4 contains a high percentage of the shelters recorded within the Moolarben Coal Complex.
- Moolarben Coal Complex contains relatively fewer shelter sites compared with Ulan and Wilpinjong, though recording criteria may factor into this difference (Niche 2024a).
- Grinding groove sites are less common across the Moolarben Coal Complex, Ulan and Wilpinjong mines.
- Open artefact sites, containing isolated finds, multiple artefacts and/or PAD are common across the local region.

6.3.2.2 Potential Archaeological Deposit

A total of 14 sites within and in proximity to the Subject Area have been identified to contain PADs.

Within the Subject Area, 11 sites have been identified to contain PADs, including:

- S1MC285 (AHIMS ID# 36-3-1099)
- S1MC287 (AHIMS ID# 36-3-1101)
- S1MC288 (AHIMS ID# 36-3-1102)
- S1MC297 (AHIMS ID# 36-3-1111)
- S1MC466 (AHIMS ID# 36-3-3804)
- S1MC480 (AHIMS ID# 36-3-3877)
- S1MC493 (AHIMS ID# 36-3-3878)
- S1MC470 (AHIMS ID# 36-3-3880)
- S1MC481 (AHIMS ID# 36-3-3881)
- S1MC482 (AHIMS ID# 36-3-3882)
- S1MC467 (AHIMS ID# 36-3-4053)

Three sites in proximity to the Subject Area have been identified to contain PADs, including:

- S1MC264 (AHIMS ID# 36-3-1079; duplicate of Curra Creek; Goulburn River [AHIMS ID# 36-3-0008])
- S1MC286 (AHIMS ID# 36-3-1100)
- S1MC296 (AHIMS ID# 36-3-1110)

Many of these PADs have been described as shallow, sandy deposits however given the precautionary principle these have been identified as having potential to contain subsurface artefacts obscured by weathering and/or eroded sediment. Site-specific details are provided in Annex 3.



6.3.2.3 Grinding grooves

No sites have been identified within the Subject Area that include grinding grooves. However, one site in proximity to the Subject Area has been identified that includes grinding grooves. S1MC264 contains 78 grinding grooves and located 22 m outside of the Subject Area.

6.3.2.4 Art assemblage

Shelters containing art are a rare site type within UG4 comprising only two known sites, both located outside of the Subject Area.

S1MC280 is located within the LW401-408 mining area (approximately 2 km from the Subject Area) and contains two red ochre hand stencils. S1MC284 occurs 33 m outside of the Subject Area and is recorded as containing ochre hand stencils as well as a lizard and graffiti (engraved lettering).

Active weathering of shelters and the build-up of exfoliated material was observed throughout many of the shelters and overhangs in UG4. The Registered Aboriginal Parties (RAPs) have previously noted that this may be one of the reasons why so few art sites have been identified (Niche 2024a).

6.3.2.5 Stone artefact assemblage

Raw material types observed within the Subject Area include:

- Quartz (both crystal and milky quartz)
- Tuff
- Silicified tuff / indurated tuff
- Chert
- Fine-grained volcanic

Raw materials types for stone artefacts recorded in the Subject Area are common to the Moolarben Coal Complex, Ulan and Wilpinjong assemblages.

Stone artefact types within Subject Area included:

- Complete and broken flakes
- Tools with retouch, backing or usewear
- Cores
- A basalt flake from a ground edge axe
- Anvil (S1MC286)
- Manuport (S1MC286)

Stone artefacts observed during surveys for the Subject Area were reduced using a variety of techniques and strategies including:

- Bipolar flaking and/or anvil rested
- Microblade reduction
- Elongated flake reduction
- General, non-specific reduction techniques

Rotated, exhausted cores and platform preparation flakes were noted in a variety of raw materials including chert, silicified tuff and fossilised wood, which is in line with previous observations that there are differences in the way milky quartz and non-quartz materials are worked and transported in the local area (Doelman 2018). The anvil identified at S1MC286 is a rare artefact type within the Moolarben Coal Complex however more research is required to identify the prevalence of this tool type regionally (Niche 2024a).



6.3.3 Revising the predictive model

The results of surveys undertaken within and in proximity to Subject Area support the predictive model developed by Kuskie (2009 and 2018). The material evidence within the Subject Area and UG4 more broadly supports the hypothesis that Aboriginal people in the past utilised the local landscape:

- More frequent visitation and greater intensity of use closer to primary resource zones including S1MC286. S1MC264 is notable for the concentration of grinding grooves, PAD and association with surface artefacts.
- For regular but shorter visits to transitory visitation by small family groups, moving to and from primary and other secondary resource zones with special visits for artistic and cultural maintenance purposes and resource acquisition, for example travelling between occupation sites along watercourses. This is particularly evidenced within the southern portion of the Subject Area (S1MC263 and S1MC470) and in the north (S1MC254, S1MC266, S1MC282, S1MC283, S1MC284, S1MC493 and S1MC480) in proximity to first- and second-order tributaries.
- For transient movement and use outside primary and secondary zones, for example reflected by isolated and less frequent, low density open sites with stone artefacts such as S1MC432.

Accordingly, the past traces of Wiradjuri land use reflect this, with a moderate number of sites featuring generally low levels of site complexity within and in proximity to the Subject Area, with the exception of S1MC286 and S1MC264 located in proximity to the Subject Area.

The Subject Area demonstrates Wiradjuri people were using shelters and overhangs within most cliff-lines and along moderate and steep slopes, as well as the sandy areas along creeks and drainage lines for a range of utilitarian activities that are reflected in the archaeological record including habitation, building fireplaces, production, maintenance and discard of stone implements. The production and maintenance of stone implements was undertaken using a range of techniques including generalised reduction strategies of other tools and specific reduction strategies such as microblade, blade and bipolar flaking.



7 Scientific values and significance assessment

7.1 Assessment framework

The Burra Charter (Australia ICOMOS 2013) defines the basic principles and procedures to be observed in the conservation of important places. It provides the primary framework within which decisions about the management of heritage sites in Australia should be made.

The NSW Aboriginal cultural heritage regulatory framework supports the significance assessment of Aboriginal archaeological sites and provides guidelines for this ACHA within the *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011) outlines two main themes in the overall Aboriginal cultural heritage significance assessment process, namely, the identification of the cultural/social significance of Aboriginal objects and/or places to Aboriginal people and the identification of the scientific (archaeological) significance to the scientific/research community. These themes encapsulate those aspects of the Burra Charter that are of particular relevance to Aboriginal objects and places.

7.2 Cultural significance

The Burra Charter defines cultural significance as being derived from the following values: aesthetic value, historic value, scientific value and social value however, more precise categories may be developed as an understanding of a particular place or site increases (Table 5).



Table 7: Values from which cultural significance is derived

Value type	Description
Aesthetic value	Aesthetic value includes aspects of sensory perception for which criteria can and should be stated. Such criteria may include consideration of the form, scale, colour, texture and material of the fabric; the smells and sounds associated with the place and its use.
Historic value	Historic value encompasses the history of aesthetics, science and society, and therefore to a large extent underlies all of the terms set out in this section. A place may have historic value because it has influenced, or has been influenced by, an historic figure, event, phase or activity. It may also have historic value as the site of an important event. For any given place the significance will be greater where evidence of the association or event survives in situ, or where the setting are substantially intact, than where it has been changed or evidence does not survive. However, some events or association maybe so important that the place retains significance regardless of subsequent treatment.
Scientific value	The scientific or research value of a place will depend upon the importance of the data involved, on its rarity, quality or representativeness (conservation value), and on the degree to which the place may contribute further substantial information.
Social value	Social or cultural value 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. Places of social or cultural value have associations with contemporary community identity. These places can have associations with tragic or warmly remembered experiences, periods or events. Communities and individuals can experience a sense of loss should a place of social or cultural value be damaged or destroyed.

7.2.1 Scientific significance

The Guidelines specify that information about scientific values will be gathered through archaeological investigation carried out according to the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b). The *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (DECCW 2010b) itself does not specify criteria for assessment of Aboriginal objects, but rather suggests to “identify the archaeological values and assess their significance.” The assessment must be supportable, and the assessment criteria must reflect best practice assessment processes as set out in the Burra Charter.

The scientific values described in the Burra Charter were considered further by the then NSW National Parks and Wildlife Service (NPWS) in their Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS1997). In lieu of specific criteria, the advice from the Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS 1997) is summarised and paraphrased below to provide guidance to the assessment of scientific values (Table 6).



Table 8: Criteria for assessing scientific value

Scientific value	Description
Research potential	It is the potential to elucidate past behaviour which gives significance under this criterion rather than the potential to yield collections of artefacts. Matters considered under this criterion include the intactness of a site, the potential for the site to build a chronology and the connectedness of the site to other sites in the archaeological landscape.
Representativeness	As a criterion, representativeness is only meaningful in relation to a conservation objective. Presumably all sites are representative of those in their class or they would not be in that class. What is at issue is the extent to which a class of sites is conserved and whether the particular site being assessed should be conserved in order to ensure that we retain a representative sample of the archaeological record as a whole. The conservation objective which underwrites the 'representativeness' criteria is that such a sample should be conserved.
Rarity	This criterion cannot easily be separated from that of representativeness. If a site is 'distinctive' then by definition, it will be part of the variability which a representative sample would represent. The criteria might best be approached as one which exists within the criteria of representativeness, giving a particular weighting to certain classes of site. The main requirement for being able to assess rarity is to determine what is common and what is unusual in the archaeological record, but also the way that archaeology confers prestige on certain sites because of their ability to provide certain information. Items may be common, uncommon or rare. The criterion of rarity may be assessed at a range of levels including local, regional, state, national, and global.
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.
Aesthetics	In relation to heritage places, aesthetic significance is generally taken to mean the visual beauty of the place. Aesthetic value is not inherent in a place but arises in the sensory response people have to it. The guidelines provide no expectation for archaeologists to consider aesthetic values, it is often the case that the aesthetics including the physical setting of an archaeological site, or a landscape contributes to its cultural heritage significance. Examples of archaeological sites that may have high aesthetic values include rock art sites or sites located in environments that evoke strong sensory responses.



7.2.1.1 Grading scientific values

The following gradations (Table 7), where a site or zone satisfies at least one criterion, have been applied to provide a measure of the archaeological values/significance for Aboriginal objects identified within the Subject Area, and to provide an overall assessment of the significance of each of the zones used that define the Subject Area.

Table 9: Criteria for grading significance

Gradation	Description
Low	The site or object contains only a single or limited number of features and has no potential to meaningfully inform our understanding of the past beyond what it contributes through its current recording (i.e. no or low research potential). The site or object is a representative but unexceptional example of the most common class of sites or objects in the region. Many more similar examples can be confidently predicted to occur within the Subject Area, and in the region.
Moderate	The site or object derives value because it contains features, both archaeological and contextual, which through further investigation may contribute to our understanding of the local past. These features include but are not limited to: the relationship with landscape features or other Aboriginal archaeological sites or areas of identified heritage importance; diagnostic archaeological or landscape features that inform a chronology; and a relatively large assemblage of stone artefacts. The presence of a diverse artefact and feature assemblage, and connectedness with landscape features and other notable sites provide relatively higher representative and rarity values than sites of low significance.
High	The site or object has value because it contains archaeological and/or contextual features which through further investigation may significantly contribute to our understanding of the past, both locally and on a regional scale. These features include but are not limited to: Aboriginal ancestral remains; the site's relationship with landscape features or other Aboriginal archaeological sites or areas of identified heritage importance; diagnostic archaeological or landscape features that inform a chronology; and a very large assemblage of stone artefacts associated with other features such as oven remains or shell midden. Such sites will be relatively rare and will be representative of a limited number of similar sites that make up this class; hence they derive high representative and rarity values.

7.3 Assessment of archaeological significance

It is recognised that all sites have high cultural value and significance to the RAPs. All sites within and in proximity to the Subject Area have previously been subject to significance assessments (ARAS [2006], Hamm [2006a], Niche [2019a]).

A summary of archaeological (scientific) value and significance for the 19 *in situ* sites within the Subject Area is presented in Table 8 below. The site specific assessment of archaeological (scientific) value and significance for the 19 *in situ* sites within the Subject Area and the nine *in situ* sites in proximity to the Subject Area is presented in Table 9.



Table 10: Summary of archaeological significance for sites within the Subject Area

Significance	Site number	Percentage
Low	15	79%
Moderate	3	16%
High	1	5%

The level of archaeological significance for the nine *in situ* sites located in proximity to the Subject Area is summarised below:

- Low - 4 sites (44%)
- Moderate - 1 site (11%)
- High - 4 sites (44%)

Table 11: Significance assessment for *in situ* sites within and in proximity to the Subject Area

AHIMS	Site name	Site type	Scientific value/ research potential
Sites within the Subject Area			
36-3-1078	S1MC263	Isolated find	Low
36-3-1080	S1MC265	Shelter with artefact(s)	Low
36-3-1081	S1MC266	Shelter with artefact(s)	Low
36-3-1082	S1MC267	Shelter with artefact(s)	Moderate
36-3-1085	S1MC270	Isolated find	Low
36-3-1099	S1MC285	Shelter with artefact(s) and PAD	Low
36-3-1101	S1MC287	Shelter with artefact(s) and PAD	High
36-3-1102	S1MC288	Shelter with artefact(s) and PAD	Low
36-3-1111	S1MC297	Shelter with artefact(s) and PAD	Low
36-3-3236	S1MC432	Artefact scatter	Low
36-3-3804	S1MC466	Shelter with artefact(s) and PAD	Moderate



AHIMS	Site name	Site type	Scientific value/ research potential
36-3-3871	S1MC541	Isolated find	Low
36-3-3877	S1MC480	Shelter with PAD	Low
36-3-3878	S1MC493	Shelter with artefact(s) and PAD	Low
36-3-3880	S1MC470	Shelter with PAD	Low
36-3-3881	S1MC481	Shelter with PAD	Low
36-3-3882	S1MC482	Shelter with artefact(s) and PAD	Moderate
36-3-3883	S1MC492	Artefact scatter	Low
36-3-4053	S1MC467	Shelter with PAD	Low
Sites in proximity to the Subject Area			
36-3-1079 / 36-3-0008	S1MC264/ Curra Creek; Goulburn River	Grinding grooves, artefact scatter and PAD	High
36-3-1083	S1MC268	Shelter with artefact(s)	Low
36-3-1084	S1MC269	Shelter with artefact(s)	Low
36-3-1096	S1MC282	Artefact scatter	High
36-3-1097	S1MC283	Shelter with artefact(s)	High
36-3-1098	S1MC284	Shelter with art and artefact(s)	Moderate
36-3-1100	S1MC286	Shelter with artefact(s) and PAD	High
36-3-1109	S1MC295	Isolated find	Low
36-3-1110	S1MC296	Shelter with artefact(s) and PAD	Low

Note: Bold Sites represent the sites have performance measures or voluntary performance measures.



8 The proposed activity and impact assessment

8.1 Previous impact assessment

The current Stage 1 approval for UG4 was supported by an ACHAR (Hamm 2006a and 2006b) and a Mine Subsidence Impact Assessment for the proposed UG4 Longwall Panels 1 to 14 (Strata Engineering 2006a and 2006b).

The expected impacts on the Aboriginal cultural heritage sites and sandstone overhangs with no visible cultural material were assessed by Strata Engineering (2006a), based on the following key parameters and reference to ACARP (2002) and Shepherd and Sefton (2001):

- The expected magnitudes of subsidence, tilt and strain (tensile or compressive).
- The length of overhang and degree of weathering impact (in the case of a rock shelter), as rated in ACARP, 2002 for cliff line instability.
- The orientation of the overhang or cliff face with respect to the principal strain direction.
- The presence of favourably orientated (i.e. strain relieving) joints and bedding partings (for the case of axe grinding grooves).
- The degree of weathering impact prior to mining.

The proposed extraction of LW409-414 was considered to have the potential to harm the Aboriginal Heritage sites in the Subject Area through subsidence induced changes to the ground surface. These changes were considered to include:

- Opening of cracks at the ground surface in soil
- Buckling and deformation of soils at the ground surface
- Slumping or mass movement of soil and rocks on steep slopes
- Cracking of rock formations
- Rock fall

A damage likelihood assessment was undertaken using a ranking system developed by Strata Engineering (2006a). Based on the outcomes of the assessment of the cliffs, it was assessed that the rock shelters within the limits of extraction had a moderate to high likelihood of damage. Any shelters outside of the extraction limits would have low to very low likelihood of being damaged.

As open artefact sites and isolated finds occur in open contexts, it was considered unlikely that they would be impacted or harmed by changes at the ground surface due to mine subsidence. It is, however, possible that sites may be harmed by any local remediation works to any subsidence-affected areas.

8.2 Subsidence impact assessment

MCO propose to mine sections of the Ulan Seam using the longwall method of extraction. The longwalls will have a void width of 260 m and chain pillar width of 35 m (solid). The overall void length varies between 787 m for LW409 to 2022 m for LW412. The thickness of the Ulan Seam varies within the extents of the proposed longwalls between 2.8 and 3.1 m and the average longwall face extraction height is 3 m.

The layout of longwalls with respect to known Aboriginal cultural heritage sites is presented in Figure 5.



Mine Subsidence Engineering Consultants (MSEC) have prepared a subsidence report to support the Extraction Plan for LW409-414 (MSEC 2024). The predictions and impact assessments provided in this report have been taken from MSEC (MSEC 2024).

A comparison of the maximum predicted subsidence parameters resulting from the extraction of LW409-414, based on the Extraction Plan Layout, with those based on the Approved Layout with a 3 m cutting height, and the setback of LW413 is provided in Table 10. The values are given as the maxima anywhere above the longwall layouts (MSEC 2024).

Table 12: Comparison of Maximum Predicted Conventional Subsidence Parameters based on the Approved Layout and the Extraction Plan Layout (taken from Table 10.3 in MSEC 2024)

Layout	Maximum predicted total conventional subsidence (mm)	Maximum predicted total conventional tilt (mm/m)	Maximum predicted total conventional hogging curvature (km-1)	Maximum predicted total conventional sagging curvature (km-1)
Approved Layout	1900	40	1.3	1.1
Extraction Plan Layout	1900	40	1.3	1.3

It can be seen from the above table, that the majority of the predicted total subsidence parameters based on the Extraction Plan Layout are the same as those based on the Approved Layout. Whilst sagging curvature increases slightly, based on the similar magnitudes of predicted subsidence parameters, the potential impacts for the Aboriginal heritage sites based on the Extraction Plan Layout are the same as those based on the Approved Layout (MSEC 2024).

Impacts to open sites containing artefacts and isolated finds and rock shelters located in proximity to the Subject Area are considered to be unlikely (MSEC 2024).

Of the 19 *in situ* Aboriginal heritage sites identified within the Subject Area, three sites are isolated finds and two sites are artefacts. Open sites within the Subject Area containing artefacts and isolated finds can potentially be affected by cracking of the surface soils as a result of mine subsidence movements. It is unlikely that the artefacts and isolated finds themselves would be impacted by surface cracking (MSEC 2024).

Whilst it is unlikely that the artefacts and isolated finds themselves would be impacted by mine subsidence, it is possible that, if remediation works to the surface areas around the Aboriginal heritage sites was required after mining, these works could potentially impact on the Aboriginal heritage sites. All remediation works would be subject to MCO's ground disturbance permit process. A discussion on surface cracking resulting from the extraction of LW409-414 is provided in Section 4.8 of MSEC (2024).

Rock shelters and overhangs within the Subject Area are predicted to be subject to similar impacts as described for minor cliffs in Section 5.6 of the subsidence report (i.e. potential for fracturing of sandstone and subsequent rockfalls) (MSEC 2024).

MSEC (2024) has calculated the potential subsidence impacts at 28 *in situ* Aboriginal cultural heritage sites within and in proximity to the Subject Area. The predictions have been provided based on the Extraction Plan Layout as well as for the Approved Layout for comparison. The majority of the predicted subsidence parameters based on the Extraction Plan Layout are the same as those based on the Approved Layout. The maximum predicted subsidence, tilt and hogging curvature are unchanged for the Extraction Plan Layout and sagging curvature



increases slightly (MSEC 2024). Based on the similar magnitudes of predicted subsidence parameters, the potential impacts for the Aboriginal heritage sites based on the Extraction Plan Layout are the same as those based on the Approved Layout.

Given its remote location (over 645 m from the nearest longwall), the Subsidence Assessment (MSEC 2024) has determined that mining-related impacts to the Drip and Corner Gorge due to the extraction of LW409-414 are considered unlikely to occur.

8.3 Performance measures

Table 14 of the Stage 1 Project Approval (05_0117) provides several subsidence impact performance measures in respect to known Aboriginal heritage sites within and in proximity to the Subject Area:

- Reduction in the likelihood of subsidence damage to low for the following sites:
 - S1MC264 (AHIMS ID# 36-3-1079) / Curra Creek; Goulburn River (AHIMS ID# 36-3-0008)
 - S1MC282 (AHIMS ID# 36-3-1096)
 - S1MC283 (AHIMS ID# 36-3-1097)
 - S1MC286 (AHIMS ID# 36-3-1100)
 - S1MC287 (AHIMS ID# 36-3-1101)

A voluntary performance measure has also been proposed for S1MC284 (AHIMS ID# 36-3-1098) due to the rare site features (nine red ochre hand stencils combined with an artefact scatter) and moderate archaeological significance.

The Aboriginal cultural heritage sites with performance measures are not expected to experience conventional subsidence movements due to the extraction of LW409-414 as they are all located outside the 20 mm subsidence contour. A summary of the subsidence predictions for these six specified sites is provided in



Table 13. MSEC (2024) has concluded that it is expected the performance measure of reduce the likelihood of subsidence damage to low for sites 264, 282, 283, 286 and 287 will be achieved.

S1MC284 which has the voluntary performance measure comprises a rock shelter with art and artefacts that is situated in proximity to the Subject Area. It is considered unlikely that ground cracking would impact the artefacts. The site is located approximately 100 m to the north west of Longwall 412. Predicted subsidence parameters at this site are negligible, less than typical limits of survey accuracy, and impact to this shelter is considered unlikely to occur.



Table 13: Subsidence Predictions for sites with specific impact performance measures

AHIMS site	Stage 1 Project Approval (05_0117) Performance Measure)	Subsidence predictions
Performance Measure		
S1MC264 (AHIMS ID# 36-3-1079 / Curra Creek; Goulburn River (AHIMS ID# 36-3-0008))	Reduce the likelihood of subsidence damage to low.	The site is situated outside of and adjacent to the Subject Area. The site comprises an artefact scatter, grinding grooves and PAD and is situated at a downstream location within the alignment of Drainage Line 2. The site is located within a context where there is no significant valley profile and therefore impact to the grinding grooves as a result of valley closure is considered to be unlikely. It is possible to experience ground strain and associated ground cracking; however, the incidences of cracking outside the Subject Area are expected to be minor and isolated and it is considered unlikely that ground cracking would impact the artefacts and grinding grooves (MSEC 2024).
S1MC282 (AHIMS ID# 36-3-1096)	Reduce the likelihood of subsidence damage to low.	The site comprises an open site with stone artefacts and is situated outside of the Subject Area. The site is not predicted to experience conventional subsidence movements but may experience far-field horizontal movements. It is possible to experience ground strain and associated ground cracking; however, the incidences of cracking outside the Subject Area are expected to be minor and isolated and it is considered unlikely that ground cracking would impact the artefacts (MSEC 2024).



AHIMS site	Stage 1 Project Approval (05_0117) Performance Measure)	Subsidence predictions
S1MC283 (AHIMS ID# 36-3-1097)	Reduce the likelihood of subsidence damage to low.	The site comprises a rock shelter with artefacts that is situated outside of the Subject Area. The site is not predicted to experience conventional subsidence movements but may experience far-field horizontal movements. It is possible to experience ground strain and associated ground cracking; however, the incidences of cracking outside the Subject Area are expected to be minor and isolated and it is considered unlikely that ground cracking would impact the artefacts. The shelter is a small, isolated feature and impacts to the shelters in proximity to the Subject Area boundary is considered to be unlikely (MSEC 2024).
S1MC286 (AHIMS ID# 36-3-1100)	Reduce the likelihood of subsidence damage to low.	The site comprises a rock shelter with artefacts and PAD and is situated outside of the Subject Area. The site is not predicted to experience conventional subsidence movements but may experience far-field horizontal movements. It is possible to experience ground strain and associated ground cracking; however, the incidences of cracking outside the Subject Area are expected to be minor and isolated and it is considered unlikely that ground cracking would impact the artefacts. The shelter is a small, isolated feature and impacts to the shelters in proximity to the Subject Area boundary is considered to be unlikely (MSEC 2024).
S1MC287 (AHIMS ID# 36-3-1101)	Reduce the likelihood of subsidence damage to low.	The rock shelter with artefacts and PAD is situated immediately downslope of CL3 and is outside the 20 mm subsidence contour. Predicted subsidence parameters at this site are negligible, less than typical limits of survey accuracy, and impact to this shelter is considered unlikely to occur (MSEC 2024).



9 Management, mitigation measures and recommendations

9.1 Management framework

A framework for the management of Aboriginal Heritage sites within the approved Moolarben Coal Complex has been developed as part of the complex-wide HMP (MCO 2023) based on sites assessed significance, site type and the nature of proposed impacts.

This management framework provides a robust system for managing subsidence impacts within LW409-414. Table 14 provides an overview of management approach and Table 15 provides a summary of the management framework for each site.

9.1.1 Ground disturbance and permit process

In the event that any surface disturbance works are required (e.g. in relation to subsidence remediation activities), MCO should apply the ground disturbance permit process outlined in the currently approved complex-wide HMP (MCO 2023).

9.1.2 Monitoring of Aboriginal heritage sites

9.1.2.1 Monitoring – sites for inclusion in the subsidence monitoring program

Section 5.9.1 of the complex-wide HMP states that:

Monitoring of potential subsidence impacts will be undertaken for a number of rock shelter and open grinding groove sites (unless previously salvaged), in order to identify and document whether any subsidence impacts have arisen from mining. Monitoring of the above sites will involve the following:

- *MCO will engage an appropriately qualified expert to monitor the Aboriginal archaeological sites described as requiring monitoring in Appendix D. This may include the establishment of a percentage estimate of the likelihood of subsidence occurring in sensitive areas.*
- *Where insufficient pre-existing information is available for any of the specific Aboriginal archaeological sites to permit comparison with the condition post-mining, more detailed recording will occur prior to undermining*
- *Monitoring will involve inspecting and recording the condition of these specific Aboriginal archaeological sites within three to six months after undermining has occurred. Each inspection will involve recording of data on environmental conditions, pre-existing human and natural impacts, heritage evidence present and any identified changes to these environmental and heritage conditions compared with previous inspections. The potential cause (subsidence or other impacts) of changes to the condition of individual sites will be assessed.*
- *Monitoring will be focussed on the features of the site that make it significant (e.g. grooves, art, artefacts and/or PAD).*
- *A report documenting the results of monitoring will be prepared that details the methodology of the inspections, conditions of the environment and Aboriginal heritage evidence at the relevant sites, comparisons with previously reported conditions at each site, identification of any natural and/or*



human impacts during the intervening period, identification of any implications for the ongoing management and protection of Aboriginal heritage evidence at the Moolarben Coal Complex, and documentation of the actual impacts of operations on the Aboriginal archaeological sites.

- *Copies of this report will be distributed to the RAPs, Heritage NSW and the DPIE and a summary included in the Annual Review.”*

Sites recommended for monitoring of subsidence impacts at LW409 - 414 are outlined in Table 15.

9.1.2.2 Baseline recording

In line with the complex-wide HMP (MCO 2023):

Where insufficient pre-existing information is available for any of the specific Aboriginal archaeological sites to permit comparison with the condition post-mining, more detailed recording will occur prior to undermining.

One site (S1MC466) has previously been subject to baseline recording.

9.1.3 Previously unrecorded Aboriginal heritage sites

Section 5.10 of the complex-wide HMP (MCO 2023) describes protocols for the management for previously unrecorded Aboriginal archaeological sites. It says:

5.10.5: If the site is determined to be of ‘high scientific significance’ by the qualified archaeologist, proposed management actions will be discussed with the RAPs. Following these discussions, management actions will be implemented (e.g. salvage, excavation, subsidence monitoring and blast vibration monitoring) in accordance with the procedures outlined in this HMP appropriate for the type of site.

5.10.6: If the site is determined to be of ‘low or moderate scientific significance’, the qualified archaeologist will propose appropriate management of the newly identified site in accordance with the procedures outlined in this HMP, at which time a salvage team will be organised. MCO may utilise a salvage team that is already onsite to complete the salvage works depending on the priority of the work area in relation to the construction program.

9.1.4 Surface collection and excavation

The complex-wide HMP (MCO 2023) requires that sites be managed via surface collection and test excavation. Should test excavation result in the site being determined to be of high scientific significance then salvage excavations should follow.

Individual site recommendations for surface collection and excavation are presented in Table 15.

The complex-wide HMP (MCO 2023) describes the process as follows:

Aboriginal archaeological sites that are considered to hold research potential and are scheduled to be impacted will undergo a two-phase program of archaeological excavation. This program will include an initial exploratory phase followed, when warranted, by a more targeted investigation of the site’s research potential as follows:

- 1. initial subsurface testing using one or more linear transects of hand excavated, regularly-spaced shovel test pits (Section 5.6.1); and*
- 2. controlled salvage excavation of areas with high research potential as identified through Phase 1 (the initial subsurface testing) (Section 5.6.2).*



If the initial program of shovel test pits determines that the site does not hold high scientific significance in accordance with the Burra Charter (Australia ICOMOS 1999) and the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (OEH, 2011), then the second phase of investigation (i.e. open area excavation) will not be undertaken. For instance, if initial subsurface testing revealed evidence of poor spatial integrity at the site (e.g. ground disturbance, sheet erosion) or few subsurface artefacts, there will remain little value in a more detailed scientific investigation of the site through controlled salvage excavation.

Initial Subsurface Testing

The objective of the initial phase of the archaeological excavation program is to determine the nature, extent and composition of each site. Data collected during this phase will be used to inform the need for a further controlled salvage excavation phase (where required), which is designed to target in situ concentrations of sub-surface cultural deposits.

Following the initial subsurface testing (shovel test pits), any sites that reveal poor spatial integrity, significant ground disturbance, shallow soil profiles and/or few subsurface cultural material, will not be subject to further subsurface investigation (i.e. the second phase of more detailed investigation and controlled salvage excavation will not occur).

Initial subsurface testing will be undertaken as follows:

- One or more transects of shovel test pits spaced no more than 20 m apart will be excavated along the length and/or width of the site (as determined from surface expression of artefacts). Areas of grossly modified terrain (e.g. dams) will be excluded from the sampling process.
- Approximately 0.5 m x 0.5 m (0.25 square metres [m²]) test pits will be dug by hand (shovel) at each designated shovel test pit point (approximately 20 m apart along the length of the transect).
- For the initial subsurface testing, all excavated material will be sieved through 5 millimetre (mm) aperture screens.
- The number of transects and shovel test pits may be reduced depending on the nature and scale of the site being assessed, subject to advice from a suitably qualified and experienced archaeologist and in consultation with the attending RAPs.
- The spacing of transects and shovel test pits may be reduced depending on the nature and scale of the site being assessed, subject to advice from a suitably qualified and experienced archaeologist and in consultation with the attending RAPs. For example, when undertaking test pits within a rock shelter, testing will be undertaken in closer proximity.

Controlled Salvage Excavation

Where controlled salvage excavation is determined to be warranted in consultation with a suitably qualified and experienced archaeologist and the attending RAPs, the following process will be generally implemented at a level appropriate to the extent and nature of the site:

- Controlled salvage excavation will be undertaken by a suitably qualified archaeologist(s), with assistance provided by the RAPs.
- All excavation will be carried out manually using trowels, shovels and mattocks (where appropriate).
- Open area excavation will proceed in 1 m² units.
- All excavation units (i.e. shovel test pits and open area 1 x 1 m² squares) will be assigned an alpha-numeric identifier.
- The first excavation unit will be excavated and documented in 5 cm spits at each area – either PAD or site – being investigated. Based on the evidence of the first excavation unit, 10 cm spits or sediment profile/stratigraphic excavation (whichever is smaller) may then be implemented.



- *Excavation will cease at culturally sterile units or bedrock in all instances - the identification of sterile stratigraphic units will draw upon a geomorphological understanding of the wider Moolarben Coal Complex.*
- *Photographic and/or scale-drawn records of exposed soil profiles in open area excavations will be made.*
- *If specific archaeological features (e.g. hearths) are identified, the entire feature will be excavated and recorded prior to the continuation of excavation. Features will be photographed and scale plans drawn.*

9.1.5 Site specific management measures and summary of management requirements

Table 14 below provides an overview of the management approach in consideration of the sites assessed significance, site type and the nature of proposed impacts.

Table 15 provides a summary of the management requirements and recommendations for each site within the Subject Area and sites relevant to LW409-414 with performance measure located in proximity to the Subject Area (i.e. S1MC264, S1MC282, S1MC283, S1MC284 and S1MC286).



Table 14: Overview of management approach

Area	Scientific Significance	Site Type	Management / Monitoring	Other Actions
Within the Subject Area	Low	Artefacts / Isolated find	Ground disturbance permit process (if required)	Update AHIMS (if required due to surface disturbance).
		Shelter with artefact(s)	Pre-mining salvage	Update AHIMS to reflect salvage / and any observed impacts post-mining, if required.
		Shelter with artefact(s) and PAD	Pre-mining salvage (for artefacts) No test excavation required	Update AHIMS to reflect salvage / and any observed impacts post-mining, if required.
		Shelter with PAD	None required (i.e. no test excavation)	N/A
	Moderate	Shelter with artefact(s)	Pre-mining salvage	Update AHIMS to reflect salvage / and any observed impacts post-mining, if required.
		Shelter with artefact(s) and PAD	Pre-mining salvage (for artefacts) Test excavation (and salvage if required)	Update AHIMS to reflect test excavation and salvage as required / and any observed impacts post-mining, if required.
	Moderate-high	N/A- no sites within the Subject Area		



Area	Scientific Significance	Site Type	Management / Monitoring	Other Actions
	High Site relevant to LW409-414 with performance measure (i.e. S1MC287)	Shelter with artefact(s) and PAD	Pre-mining salvage (for artefacts) Test excavation (and salvage if required) Pre-mining and post-mining inspections	Update AHIMs to reflect test excavation and salvage as required. Update AHIMS in unlikely event that subsidence impact occurs.
In proximity to the Subject Area	Sites relevant to LW409-414 with performance measure (i.e. S1MC264, S1MC282, S1MC283, S1MC284 and S1MC286)	All	Pre-mining and post-mining inspections	Update AHIMS in unlikely event that subsidence impact occurs.



Table 15: Summary of management requirements for LW409-414 Aboriginal cultural heritage sites

AHIMS	Site name	Site type	Scientific significance	Management requirements
Sites within the Subject Area				
36-3-1078	S1MC263	Isolated find	Low	Ground disturbance permit process (if required)
36-3-1080	S1MC265	Shelter with artefact(s)	Low	Pre-mining salvage
36-3-1081	S1MC266	Shelter with artefact(s)	Low	Pre-mining salvage
36-3-1082	S1MC267	Shelter with artefact(s)	Moderate	Pre-mining salvage
36-3-1085	S1MC270	Isolated find	Low	Ground disturbance permit process (if required)
36-3-1099	S1MC285	Shelter with artefact(s) and PAD	Low	Pre-mining salvage (for artefacts) No test excavation required
36-3-1101	S1MC287	Shelter with artefact(s) and PAD	High	Pre-mining salvage (for artefacts) Test excavation (and salvage if required) Pre-mining and post-mining inspections
36-3-1102	S1MC288	Shelter with artefact(s) and PAD	Low	Pre-mining salvage (for artefacts) No test excavation required
36-3-1111	S1MC297	Shelter with artefact(s) and PAD	Low	Pre-mining salvage (for artefacts) No test excavation required
36-3-3236	S1MC432	Artefact scatter	Low	Ground disturbance permit process (if required)



AHIMS	Site name	Site type	Scientific significance	Management requirements
36-3-3804 <i>(partially managed)</i>	S1MC466	Shelter with artefact(s) and PAD	Moderate	Test excavation (and salvage if required)
36-3-3871	S1MC541	Isolated find	Low	Ground disturbance permit process (if required)
36-3-3877	S1MC480	Shelter with PAD	Low	None required (i.e. no test excavation)
36-3-3878	S1MC493	Shelter with artefact(s) and PAD	Low	Pre-mining salvage (for artefacts) No test excavation required
36-3-3880	S1MC470	Shelter with PAD	Low	None required (i.e. no test excavation)
36-3-3881	S1MC481	Shelter with PAD	Low	None required (i.e. no test excavation)
36-3-3882	S1MC482	Shelter with artefact(s) and PAD	Moderate	Pre-mining salvage (for artefacts) Test excavation (and salvage if required)
36-3-3883	S1MC492	Artefact scatter	Low	Ground disturbance permit process (if required)
36-3-4053	S1MC467	Shelter with PAD	Low	None required (i.e. no test excavation)
Sites in proximity to the Subject Area				
36-3-1079 / 36-3-0008	S1MC264 / Curra Creek; Goulburn River (duplicate site records)	Grinding grooves, artefact scatter and PAD	High	Pre-mining and post-mining inspections



AHIMS	Site name	Site type	Scientific significance	Management requirements
36-3-1096	S1MC282	Artefact scatter	High	Pre-mining and post-mining inspections
36-3-1097	S1MC283	Shelter with artefact(s)	High	Pre-mining and post-mining inspections
36-3-1098	S1MC284	Shelter with art and artefact(s)	Moderate	Pre-mining and post-mining inspections
36-3-1100	S1MC286	Shelter with artefact(s) and PAD	High	Pre-mining and post-mining inspections

Note: **Bold Sites** represent the sites have performance measures or voluntary performance measure.



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12 Annex 1

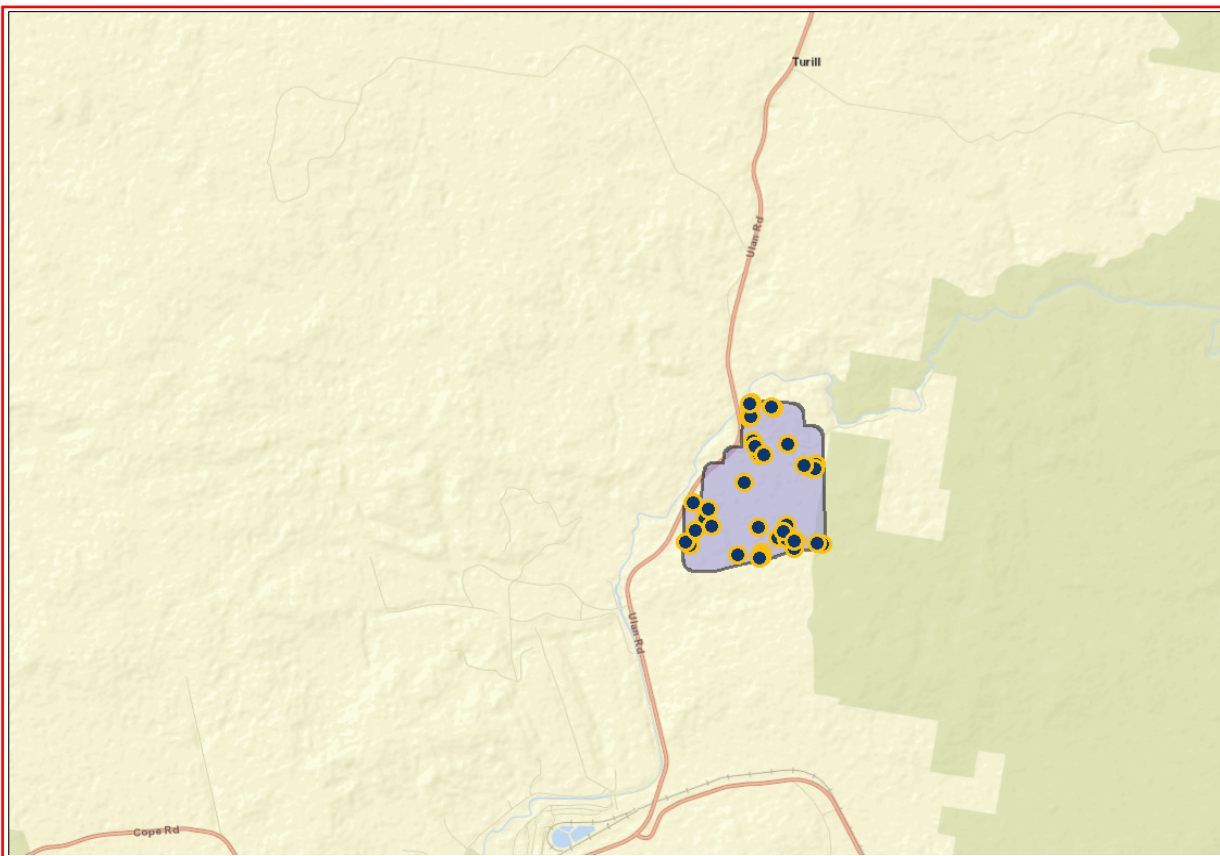
12.1 AHIMS search results

Niche Environment and Heritage
PO Box 3104
Umina Beach New South Wales 2257
Attention: Carly Todhunter
Email: ctodhunter@niche-eh.com

Date: 25 September 2024

Dear Sir or Madam:

AHIMS Web Service search for the following area at Search using shape-file 8520 GDA2020 mga55 100mbuffer/a8520 100mBuffer SubjectArea GDA2020 MGA55 20240924 with a buffer of 0 meters. Additional Info : Archaeological Assessment, conducted by Carly Todhunter on 25 September 2024.
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:

42	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 : 8520 SA and 100 m buffer

Client Service ID : 933818

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-3-1074	S1MC259	AGD	55	762889	6429671	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm							Permits
36-3-1076	S1MC261	AGD	55	762876	6429660	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm							Permits
36-3-1079	S1MC264 duplicate of 36-3-0008	GDA	55	762010	6430705	Open site	Valid	Artefact : 1, Grinding Groove : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-1082	S1MC267	GDA	55	761945	6430063	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-1110	S1MC296	GDA	55	763496	6429968	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-3236	S1MC432	GDA	55	762917	6431617	Open site	Valid	Artefact : -		
	Contact	Recorders	Niche Environment and Heritage,Niche Environment and Heritage,Mr.Balazs Hans							Permits
36-3-1070	S1MC255	GDA	55	762962	6430307	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm,Mr.Giles (dup ID#12832) Hamm							Permits 3439
36-3-1078	S1MC263	GDA	55	762177	6430458	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm							Permits
36-3-1101	S1MC287	GDA	55	763262	6430138	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-1111	S1MC297	GDA	55	763395	6430325	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-3804	S1MC466	GDA	55	763003	6429918	Closed site	Partially Destroyed	Artefact : -, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Niche Environment and Heritage, Miss.Chelsea Fr							Permits
36-3-1100	S1MC286	GDA	55	762868	6431969	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa							Permits
36-3-1106	S1MC292	AGD	55	763406	6429904	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm							Permits
36-3-1109	S1MC295	AGD	55	763273	6429928	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm							Permits

Report generated by AHIMS Web Service on 25/09/2024 for Carly Todhunter for the following area at Search using shape-file 8520_GDA2020_mga55_100mbuffer/a8520_100mBuffer_SubjectArea_GDA2020_MGA55_20240924 with a buffer of 0 meters. Additional Info : Archaeological Assessment. Number of Aboriginal sites and Aboriginal objects found is 42



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 8520 SA and 100 m buffer

Client Service ID : 933818

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports	
36-3-3882	S1MC482	GDA	55	763855	6431225	Closed site	Valid	Artefact : -, Potential Archaeological Deposit (PAD) :-			
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits		
36-3-3871	S1MC541	GDA	55	762769	6430977	Open site	Valid	Artefact : -			
	Contact	Recorders	Niche Environment and Heritage, Mr.Riley Finnerty						Permits		
36-3-1069	S1MC254	AGD	55	763332	6431357	Open site	Valid	Artefact : 1			
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits		
36-3-1077	S1MC262	AGD	55	762876	6429676	Open site	Valid	Artefact : 1			
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits		
36-3-1080	S1MC265	GDA	55	762224	6430592	Closed site	Valid	Artefact : 1			
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits		
36-3-1097	S1MC283	GDA	55	762915	6432182	Closed site	Valid	Artefact : 1			
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits		
36-3-1098	S1MC284	GDA	55	762878	6432127	Closed site	Valid	Artefact : 1, Art (Pigment or Engraved) :-, Potential Archaeological Deposit (PAD) :-			
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits		
36-3-1102	S1MC288	GDA	55	763336	6430223	Closed site	Valid	Artefact : 1			
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits		
36-3-1103	S1MC289	AGD	55	763795	6429838	Open site	Valid	Artefact : 1			
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits		
36-3-1105	S1MC291	AGD	55	763726	6429853	Open site	Valid	Artefact : 1			
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits		
36-3-3877	S1MC480	GDA	55	763803	6431163	Closed site	Valid	Potential Archaeological Deposit (PAD) :-			
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits		
36-3-1083	S1MC268	GDA	55	761875	6430102	Closed site	Valid	Artefact : 1			
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits		
36-3-1107	S1MC293	AGD	55	763385	6429901	Open site	Valid	Artefact : 1			
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits		
36-3-3880	S1MC470	GDA	55	762649	6429891	Closed site	Valid	Potential Archaeological Deposit (PAD) :-			
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits		

Report generated by AHIMS Web Service on 25/09/2024 for Carly Todhunter for the following area at Search using shape-file 8520_GDA2020_mga55_100mbuffer/a8520_100mBuffer_SubjectArea_GDA2020_MGA55_20240924 with a buffer of 0 meters. Additional Info : Archaeological Assessment. Number of Aboriginal sites and Aboriginal objects found is 42

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-3-3881	S1MC481	GDA	55	763839	6431165	Closed site	Valid	Potential Archaeological Deposit (PAD) :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman					Permits		
36-3-3883	S1MC492	GDA	55	763667	6431217	Open site	Valid	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman					Permits		
36-3-2597	S1MC324	GDA	55	763245	6432104	Open site	Destroyed	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Archaeological Risk Assessment Services (ARAS),					Permits	3439	
36-3-1417	S1MC323	GDA	55	763211	6432118	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm					Permits	3439	
36-3-0008	Curra Creek;Goulburn River; Mudgee duplicate of 36-3-1079	GDA	55	762010	6430705	Open site	Valid	Grinding Groove : 78	Axe Grinding Groove	1299
	Contact	Recorders	L Giles, Miss.Lauren Roach					Permits		
36-3-1073	S1MC258	AGD	55	762865	6429652	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm					Permits		
36-3-1081	S1MC266	GDA	55	763008	6431400	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa					Permits		
36-3-1099	S1MC285	GDA	55	762905	6431976	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa					Permits		
36-3-3470	S1MC461	GDA	55	762946	6431534	Open site	Destroyed	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Niche Environment and Heritage, Mr.Jamie Reeve:					Permits		
36-3-3878	S1MC493	GDA	55	763085	6431399	Closed site	Valid	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman					Permits		
36-3-1084	S1MC269	GDA	55	761882	6430110	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa					Permits		
36-3-1085	S1MC270	GDA	55	762024	6430287	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm					Permits		
36-3-1096	S1MC282	GDA	55	762890	6432167	Open site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa					Permits		
36-3-4053	S1MC467	GDA	55	762276	6430332	Closed site	Valid	Potential Archaeological Deposit (PAD) :-		
	Contact	Recorders	Niche Environment and Heritage, Mr.Jamie Reeves					Permits		

**** Site Status**

Valid - The site has been recorded and accepted onto the system as valid

Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.

Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground

Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 8520

Client Service ID : 876865

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-3-1082	S1MC267	GDA	55	761945	6430063	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa Permits							
36-3-1078	S1MC263	GDA	55	762177	6430458	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm Permits							
36-3-3236	S1MC432	GDA	55	762917	6431617	Open site	Valid	Artefact : -		
	Contact	Recorders	Niche Environment and Heritage,Niche Environment and Heritage,Mr.Balazs Hans Permits							
36-3-3804	S1MC466	GDA	55	763003	6429918	Closed site	Partially Destroyed	Artefact : -, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Niche Environment and Heritage, Miss.Chelsea Fr Permits							
36-3-1101	S1MC287	GDA	55	763262	6430138	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa Permits							
36-3-1111	S1MC297	GDA	55	763395	6430325	Closed site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa Permits							
36-3-1070	S1MC255	AGD	55	763334	6431358	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm, Mr.Giles (dup ID#12832) Hamm Permits							3439
36-3-1106	S1MC292	AGD	55	763406	6429904	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm Permits							
36-3-3871	S1MC541	GDA	55	762769	6430977	Open site	Valid	Artefact : -		
	Contact	Recorders	Niche Environment and Heritage,Mr.Riley Finnerty Permits							
36-3-3882	S1MC482	GDA	55	763855	6431225	Closed site	Valid	Artefact : -, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman Permits							
36-3-1109	S1MC295	AGD	55	763273	6429928	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm Permits							
36-3-3877	S1MC480	GDA	55	763803	6431163	Closed site	Valid	Habitation Structure : -		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman Permits							
36-3-1102	S1MC288	GDA	55	763336	6430223	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa Permits							
36-3-1069	S1MC254	AGD	55	763332	6431357	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm Permits							
36-3-1080	S1MC265	GDA	55	762224	6430592	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage,Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa Permits							

Report generated by AHIMS Web Service on 26/03/2024 for Chelsea Jones for the following area at Search using shape-file Study_Area_and_20mm_subs_contour_LW409-414_(GDA2020)_240216 with a buffer of 0 meters. Additional Info : Archaeological Assessment. Number of Aboriginal sites and Aboriginal objects found is 25



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 8520

Client Service ID : 876865

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-3-3880	S1MC470	GDA	55	762649	6429891	Closed site	Valid	Potential Archaeological Deposit (PAD) :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits	
36-3-1107	S1MC293	AGD	55	763385	6429901	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits	
36-3-3883	S1MC492	GDA	55	763667	6431217	Open site	Valid	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits	
36-3-3881	S1MC481	GDA	55	763839	6431165	Closed site	Valid	Potential Archaeological Deposit (PAD) :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits	
36-3-1099	S1MC285	GDA	55	762905	6431976	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits	
36-3-3470	S1MC461	GDA	55	762946	6431534	Open site	Destroyed	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Niche Environment and Heritage, Mr.Jamie Reeve:						Permits	
36-3-1081	S1MC266	GDA	55	763008	6431400	Closed site	Valid	Artefact : 1		
	Contact	Recorders	Niche Environment and Heritage, Mr.Giles (dup ID#12832) Hamm, Miss.Lauren Roa						Permits	
36-3-3878	S1MC493	GDA	55	763085	6431399	Closed site	Valid	Artefact :-		
	Contact	Recorders	Niche Environment and Heritage, Miss.Chelsea Freeman						Permits	
36-3-1085	S1MC270	GDA	55	762024	6430287	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Giles (dup ID#12832) Hamm						Permits	
36-3-4053	S1MC467	GDA	55	762276	6430332	Closed site	Valid	Potential Archaeological Deposit (PAD) :-		
	Contact	Recorders	Niche Environment and Heritage, Mr.Jamie Reeves						Permits	

**** Site Status**

Valid - The site has been recorded and accepted onto the system as valid

Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.

Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground

Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified

Report generated by AHIMS Web Service on 26/03/2024 for Chelsea Jones for the following area at Search using shape-file

Study_Area_and_20mm_subs_contour_LW409-414_(GDA2020)_240216 with a buffer of 0 meters. Additional Info : Archaeological Assessment. Number of Aboriginal sites and Aboriginal objects found is 25



13 Annex 2

13.1 AHIMS site cards



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1069

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC254

Easting: 763332 Northing: 6431357 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source:
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

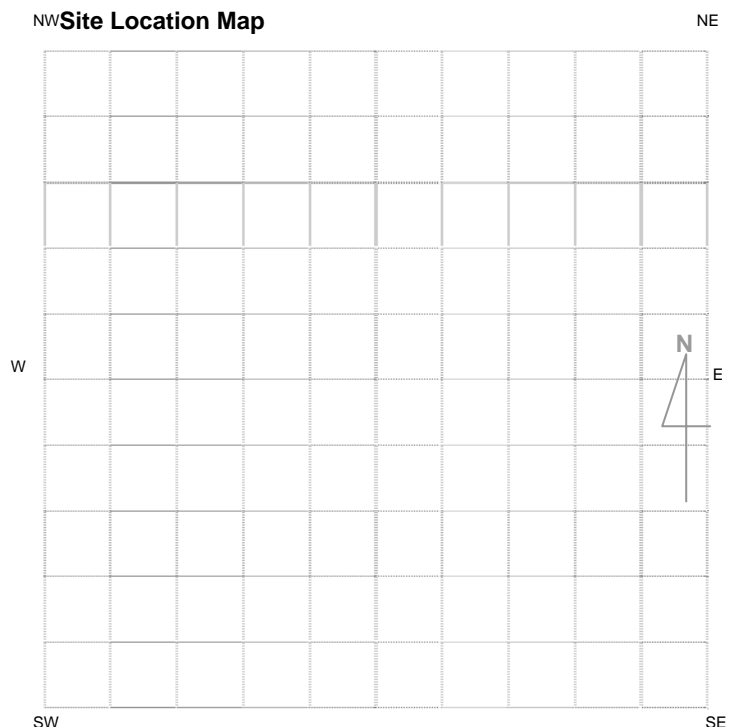
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

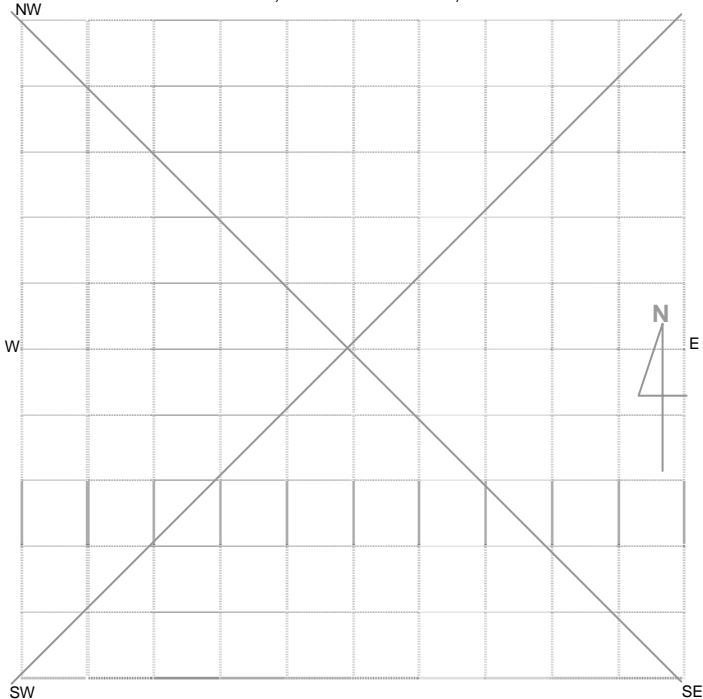
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Open Site</p> <p>Site Orientation</p> <input checked="" type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

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
 - Estimated area of visible site
 - Length of assessed site area
- 8.2m x 2m

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Two artefacts lying on vehicle track on ridge crest, both made from quartz. Low archaeological significance. Poor condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source:
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

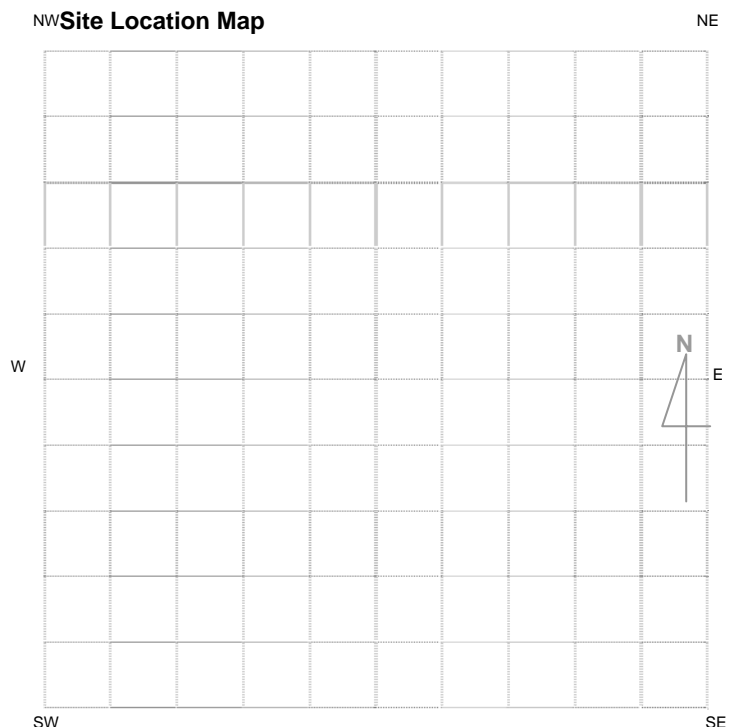
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

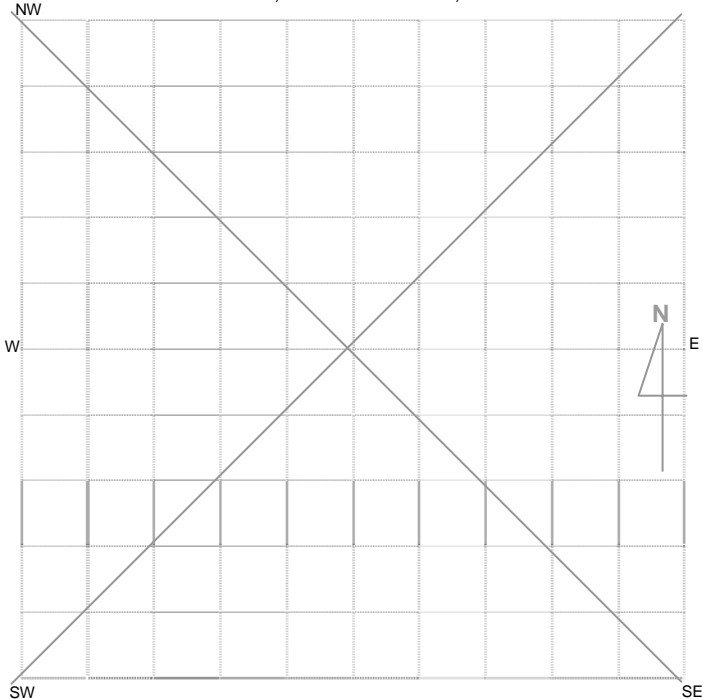
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
	<p>Open Site</p> <p>Site Orientation</p> <input checked="" type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A	

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
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Broken flake made from tuff distal, grey. Low archaeological significance. Poor condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title	Surname	First Name	Initials
-------	---------	------------	----------

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1070 (additional Information)

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 Mr Surname Livingston-Blevins First Name Ian Initials

Organisation Moolarben Coal Mines Pty Ltd

Address Locked Bag 2003 Mudgee NSW 2850

Knowledge Holder

Title Surname First Name Initials

Organisation

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1M255

Easting: 0762962 Northing: 6430307 AMG GDA

Mapsheet: Durrigere 8833/1/S

Zone 54 1:25k topographic map Non differential GPS
 55 1:50k topographic map Differential GPS
 56 1:100k topographic map Engineering survey plan or map
 Client GIS or CAD system

Primary Recorder

Title Surname First Name
Initials
Mr Hamm Giles

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded: 24 November 2009

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Lower slope
- Mid slope

- Upper slope
- Plain
- Ridge
- Tor
- Valley Flat
- Levy

- Stream Bank
- Stream channel
- Swamp
- Terrace
- Terrace flat

Slope

0-5 Degrees

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500 – 2000 metres
 Distance to temporary water source: 500 – 2000 metres
 Name of nearest permanent water source: Bora Creek
 Name of nearest temporary water:

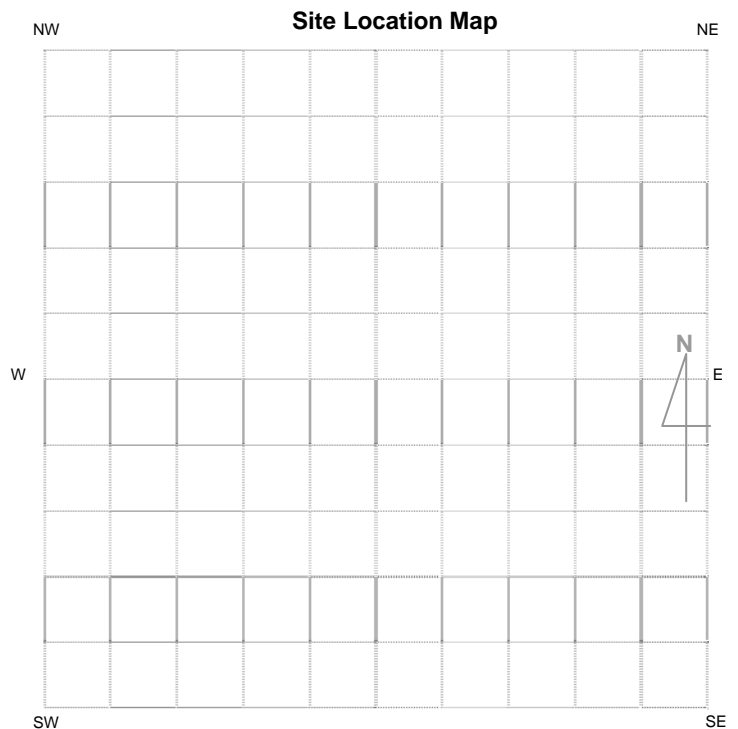
Directions for Relocation

Current Land Tenure

- Public National Park / other Government Dept.
- Private

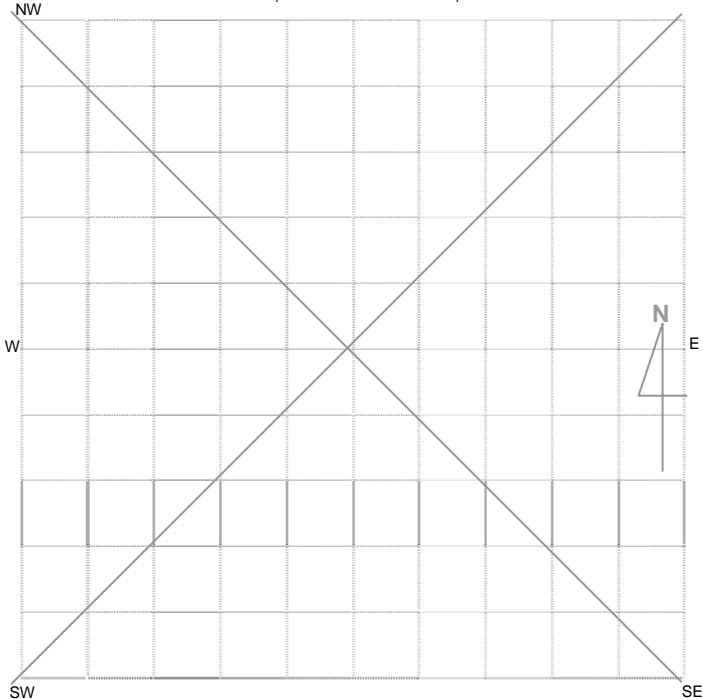
Private report

I.D. (I.D. Office Use only)



General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Open Site</p> <p>Site Orientation</p> <input checked="" type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

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)

- 8.5 m Total length of visible site
- 3 m Average width of visible site
- 8.5 m x 3 m Estimated area of visible site
- 8.5 m Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

This site is of low scientific significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979. The site is surrounded by potential archaeological deposit and further investigation is recommended.

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter located on a vehicle track along a ridge crest (Site previously recorded as an isolated find). Four silcrete flakes recorded in disturbed context. Artefact 1: Silcrete distal flake, no cortex, feather termination. Measurements: L17mm x W9mm x T3mm. Artefact 2: Silcrete distal flake, no cortex, feather termination. Measurements: L23mm x W17mm x T7mm. Artefact 3: Silcrete distal flake, no cortex, feather termination. Measurements: L16mm x W12mm x T3mm. Artefact 4: Silcrete proximal flake, feather termination, broad platform, flake scars on platform. Measurements: L27mm x W24mm x T6mm.

The site is surrounded by potential archaeological deposit and further investigation is recommended. This site is of low significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Organisation

Address

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1078

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC263

Easting: 762177 Northing: 6430458 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: <100m
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

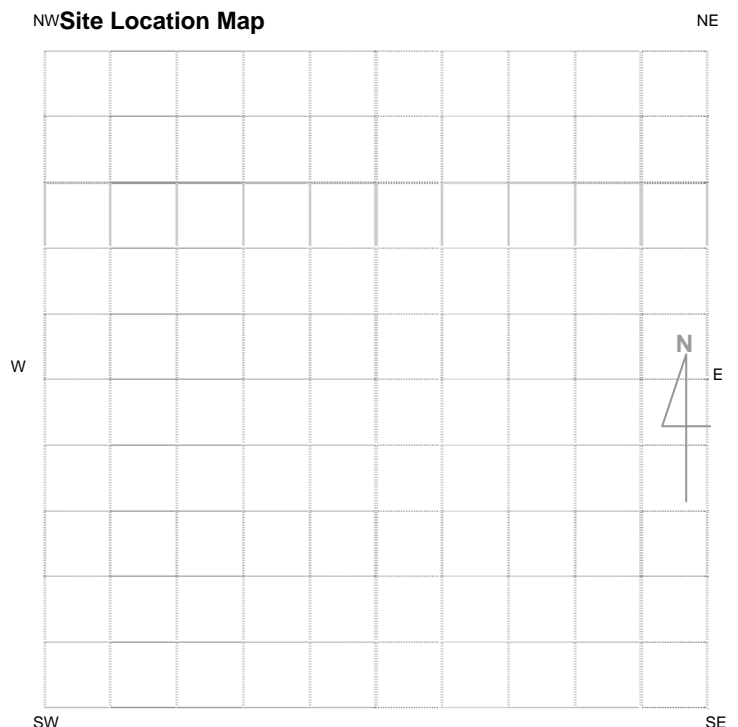
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

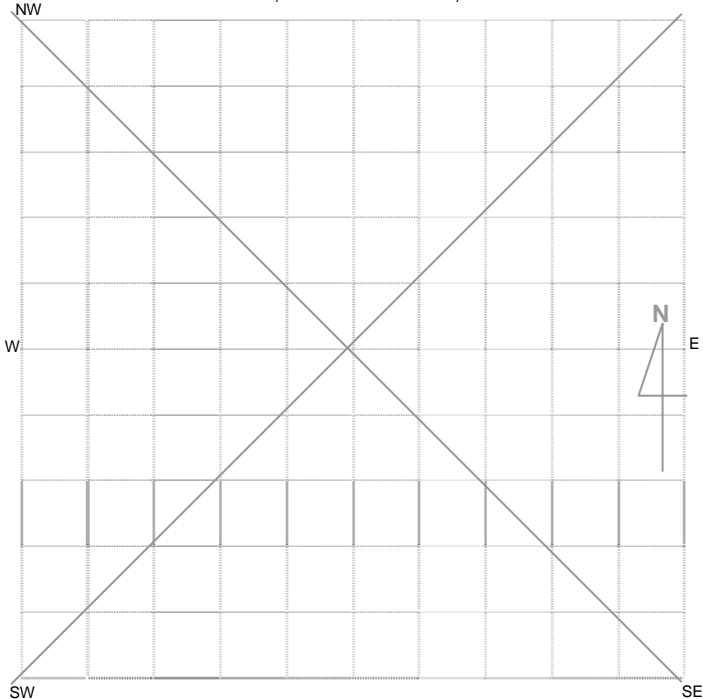
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input checked="" type="checkbox"/> N/A		

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
- Estimated area of visible site
- Length of assessed site area

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single quartz flake lying on edge of creek channel, in poor condition. Site assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

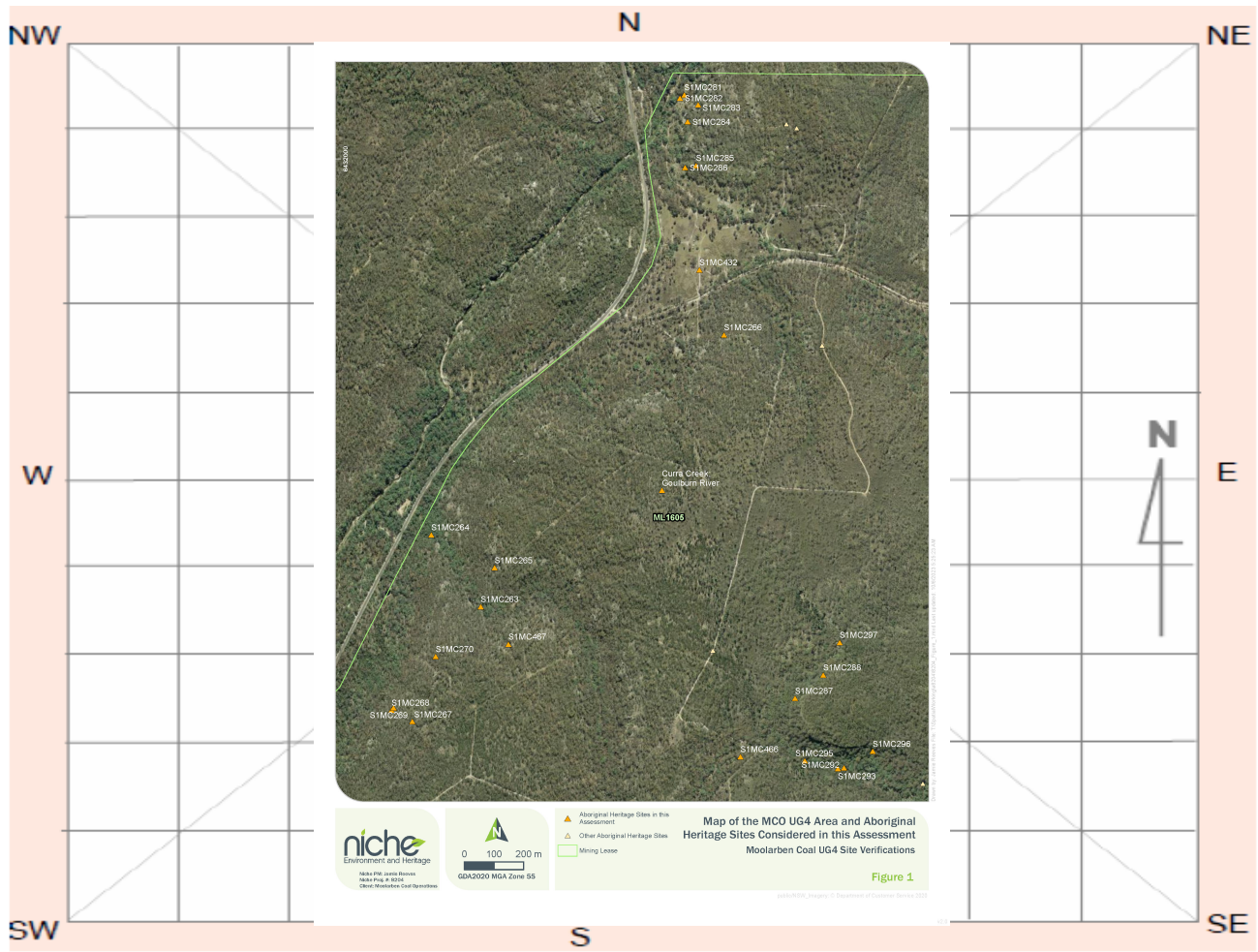
Distance to Water (m): Primary Report:

How to get to the site:

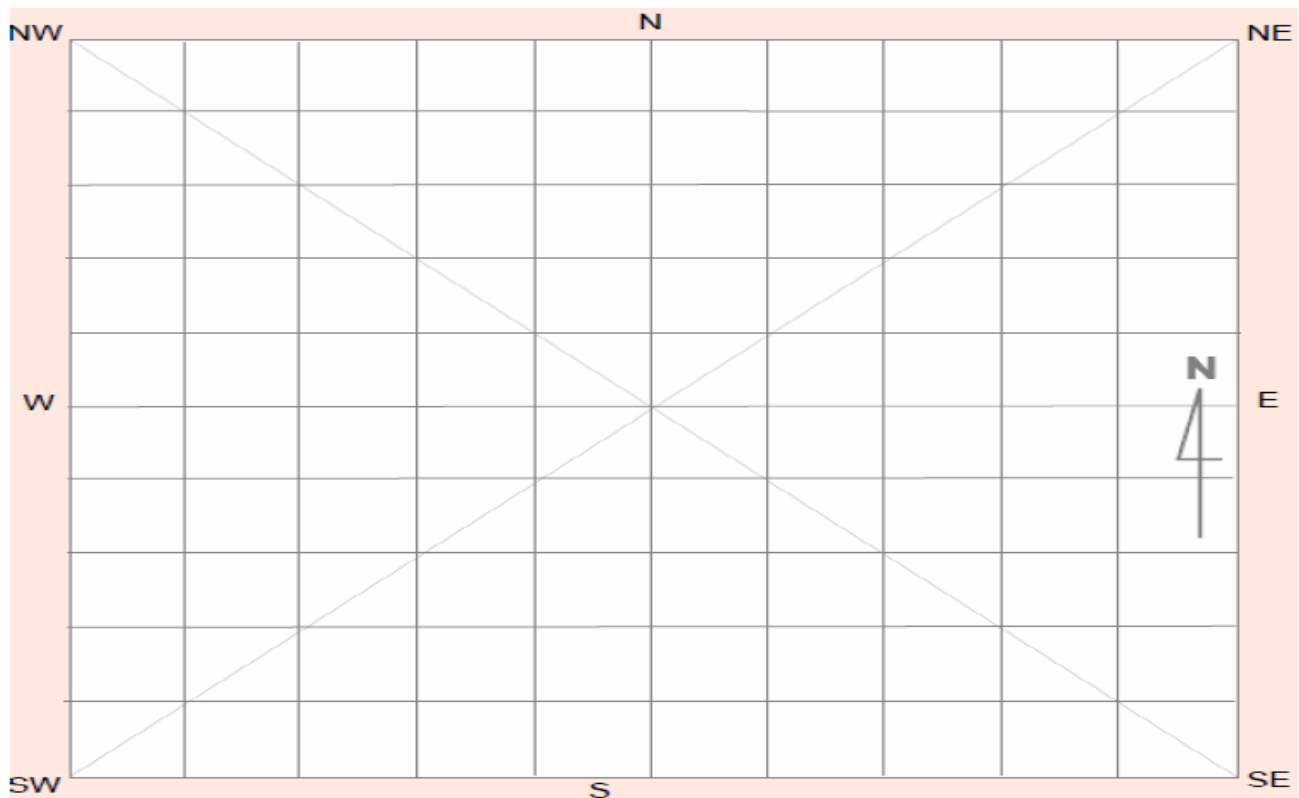
Other site information:

The site is a duplicate of AHIMS site #36-3-0008 which was initially recorded by Lorraine Giles in 1976. The site is considered to be of high archaeological significance.

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)

1.

Feature condition:

Description:

Artefacts were recorded in 2007 by Mr Giles Hamm and in 2021 by Niche.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Description:

The site is in fair condition and is assessed to be of high archaeological significance. The site is a duplicate record with Curra Creek; Goulburn River (AHIMS# 36-3-0008)

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Description:

50 cm+ PAD located to the north and SW of the grinding groove location. Some wombat activity noted within PAD extent.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

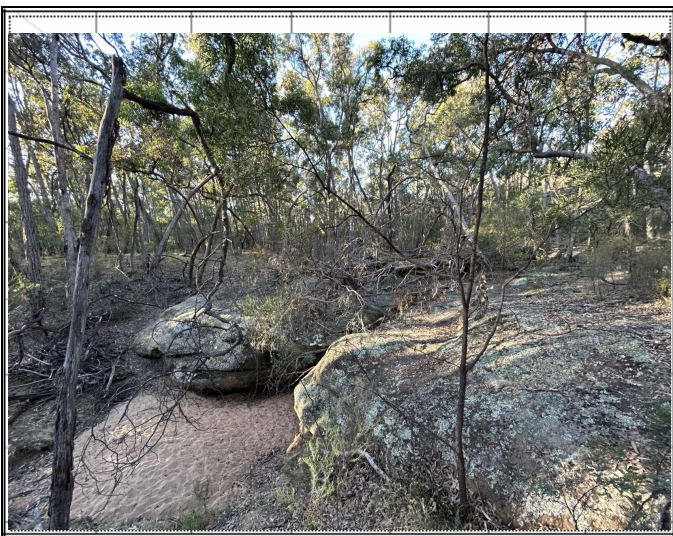
5.

Feature condition:

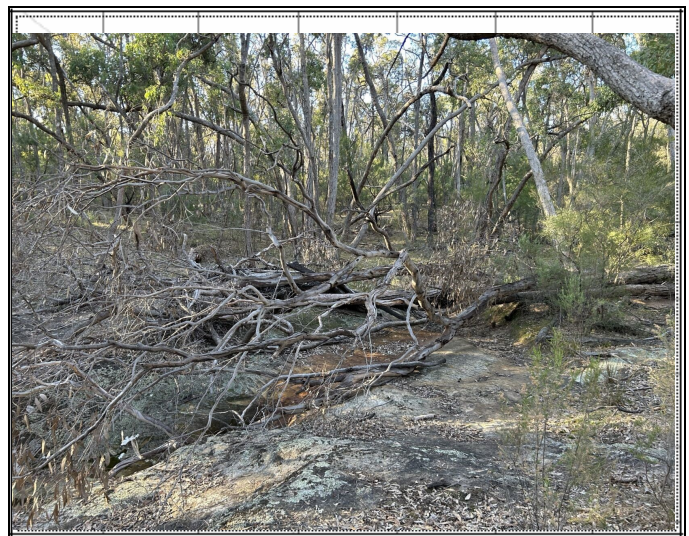
Description:

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:



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

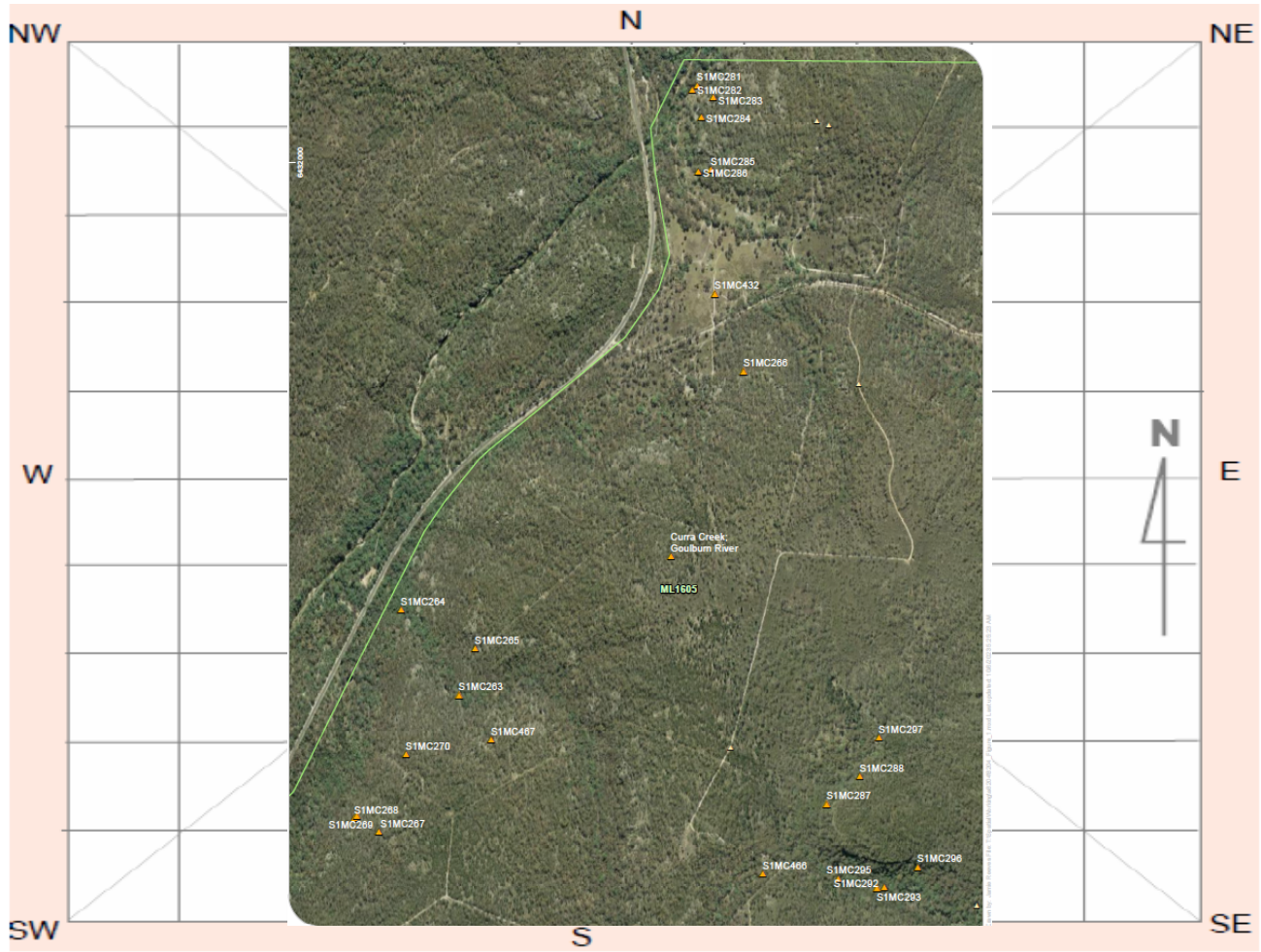
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

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)

1. 5

Feature condition:

Description:

Artefacts were recorded in 2007 by Mr Giles Hamm

Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar shape Tree Species

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2. 5

Feature condition:

Description:

The site is in fair condition and is assessed to be of high archaeological significance

Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar shape Tree Species

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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:



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

This site is considered to be of high significance.

S I 8833

DUBBO SI/55-4

36-3-8

GOULBURN RIVER

Curra Creek

Locality

AXE GRINDING GROOVES

Military map/other reference 1:250,000 275.014

Portion 30.

Pastoral or other property, parkDescription of site About a 100 grooves east of the road on a little, permanent creek. There is a silted up rock hole with the grooves and a deep pool in the creek at this point.

The creek runs through low eucalyptus woodland, but there are dry ridges nearby.

C-1299



36-3-0008

Length of siteWidthNearest water supply By creekKind of rockNumber of groovesSize of groovesAssociated withrock engravings
stone arrangements
other relicsrock paintings
quarrycarved trees
campsite

State of preservation

36-3-8.

Photo record by

Where deposited

Scale chart by

Where deposited

History

Aboriginal meaning and name

Published reference

Remarks Site reported by Lorraine Giles during a survey of the area for the Goulburn River Proposal. The area may be threatened by mining.

GOULBURN RIVER PROPOSAL

36-3-8

Quilbo 275.014

PORTION 30 PARISH LENNOX,
COUNTY PHILLIP (CN.L. 37/3
MUDGEE).

ABORIGINAL SITE



Tributary Creek of Goulburn River which runs through Portion 30 semi-permanent water is found in a deep pool, and more than 100 axe-grinding grooves are associated with it. The site is within 2.5 kilometres of a most significant Aboriginal site (hand stencils in cave), protected within a Reserve for Preservation of Caves R.57443.



①

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

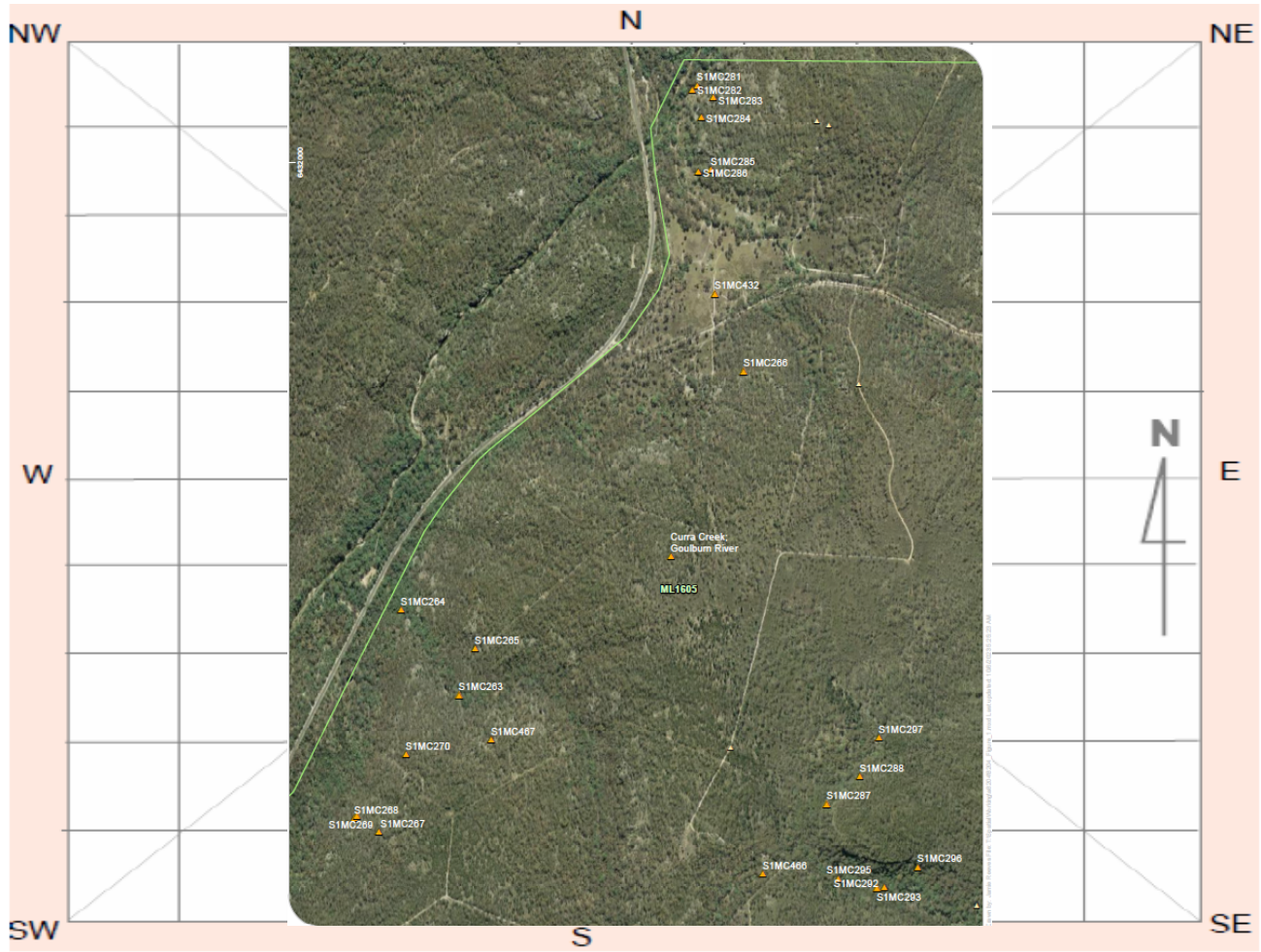
Distance to Water (m): Primary Report:

How to get to the site:

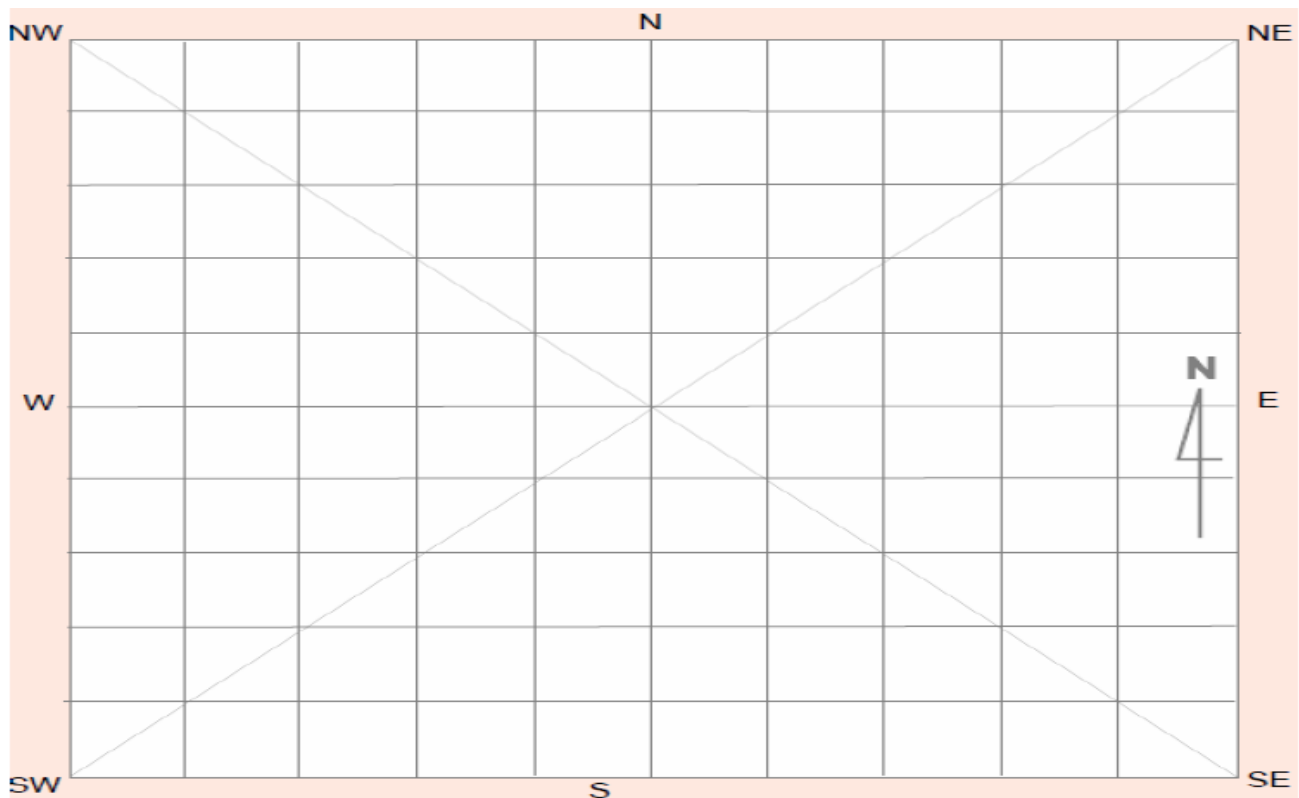
Other site information:

The rock shelter at the site is 10m x 4.4m, and 1.6m in height. The site was recorded in 2007 by Giles Hamm, who assessed that the rock shelter contains no archaeological deposit other than the 2 quartz artefacts found within the dripline, and that the site is in poor condition and of low archaeological significance.

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)

1.

Feature condition:

Description:

2 quartz artefacts lying in front of the rock shelter in the dripline.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.

Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

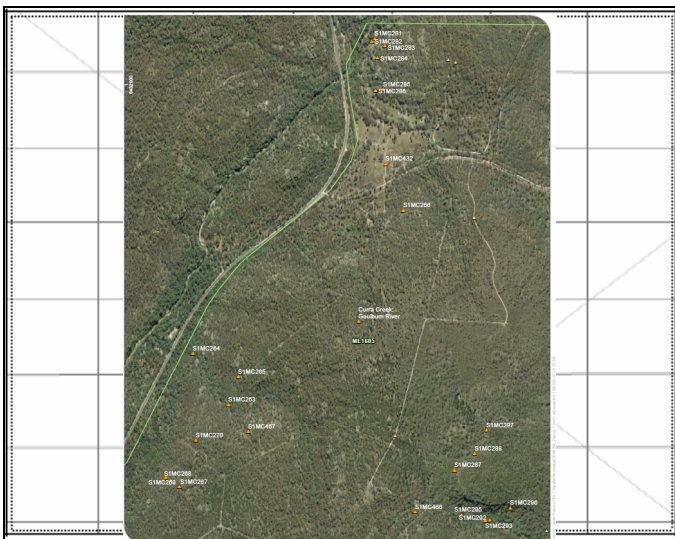
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.

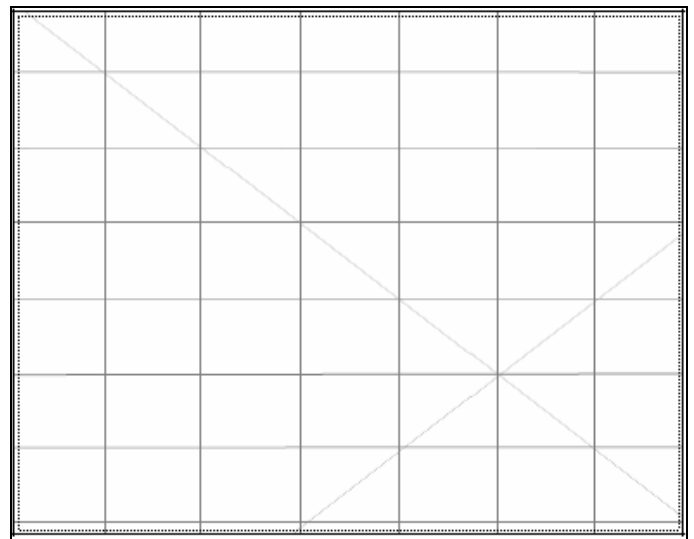
Feature condition:

Description:

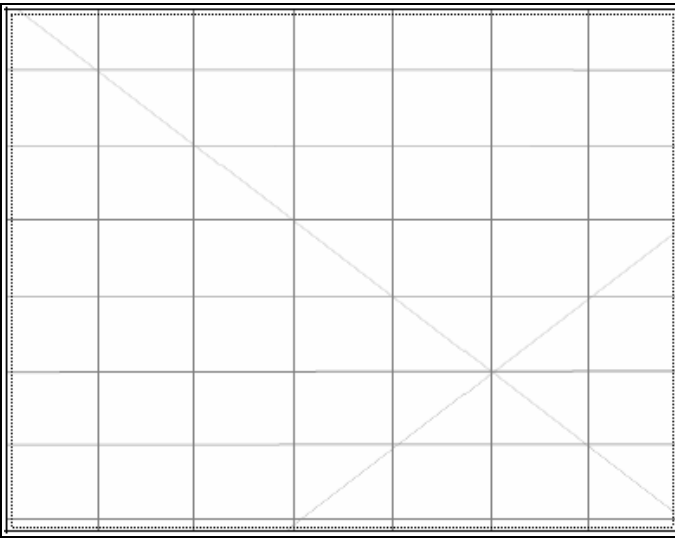
Site photographs



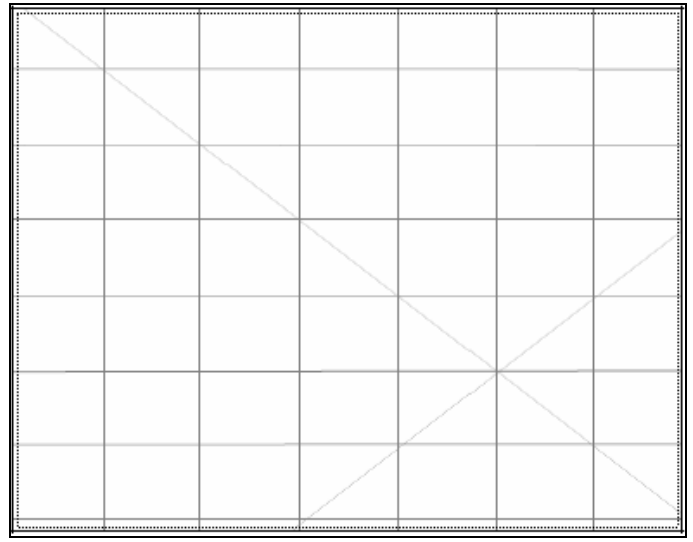
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1080

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
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Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC265

Easting: 762224 Northing: 6430592 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: <400m
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

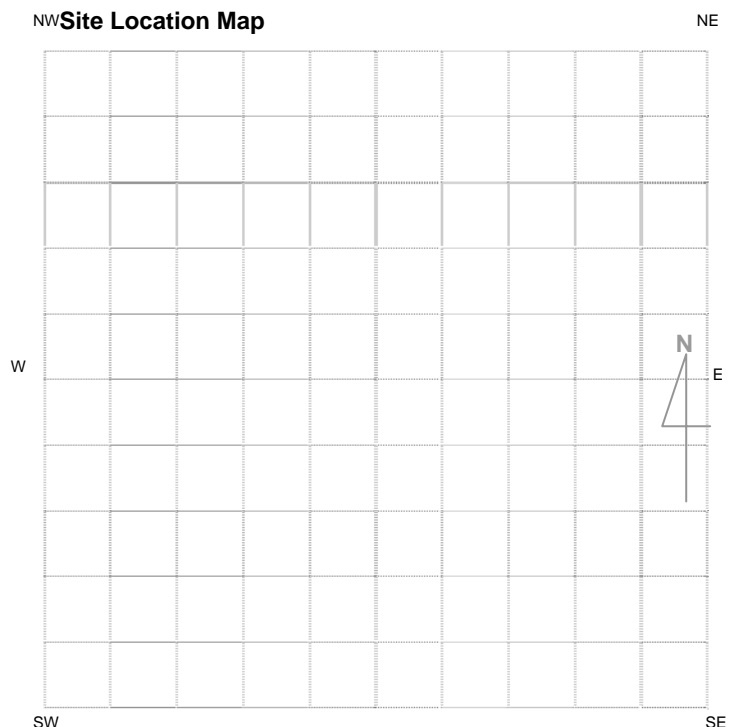
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

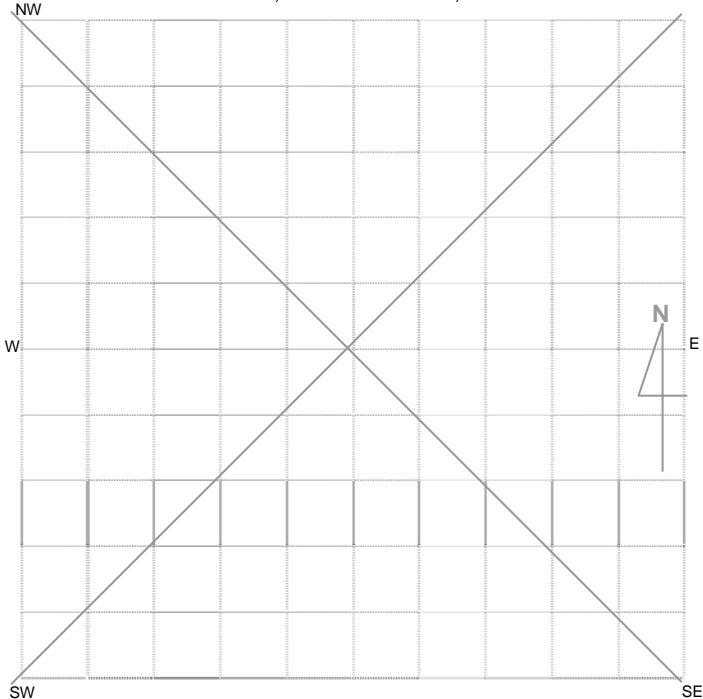
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input checked="" type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input checked="" type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input checked="" type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 4.4m deep Internal length
- 10m Internal width
- 1.6m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- 10m Total length of visible site
- 5m Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

2 artefacts made from quartz lying in front of a rock shelter in the drip line. Rock shelter contains no archaeological deposit. Site is in poor condition and assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

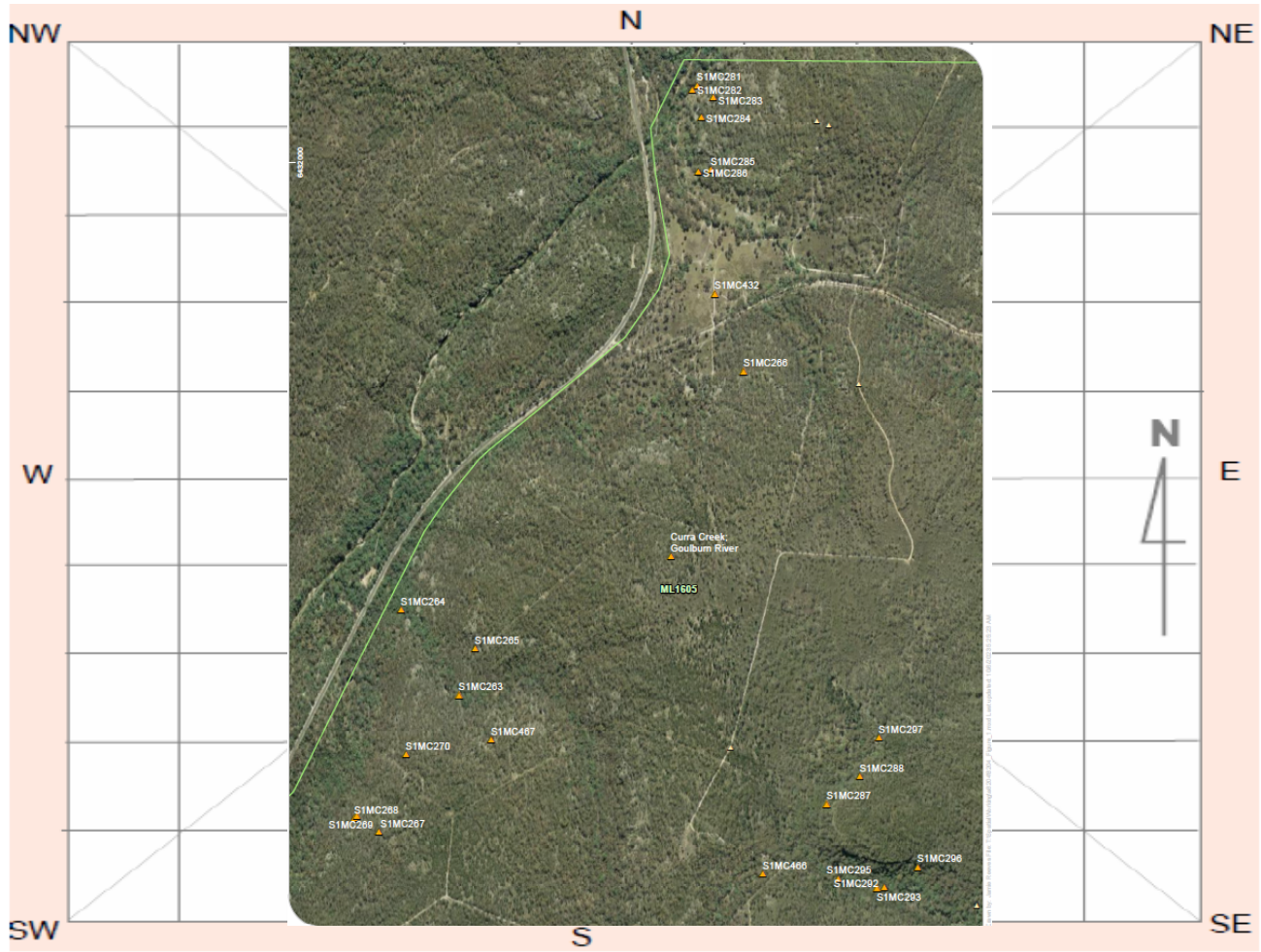
Distance to Water (m): Primary Report:

How to get to the site:

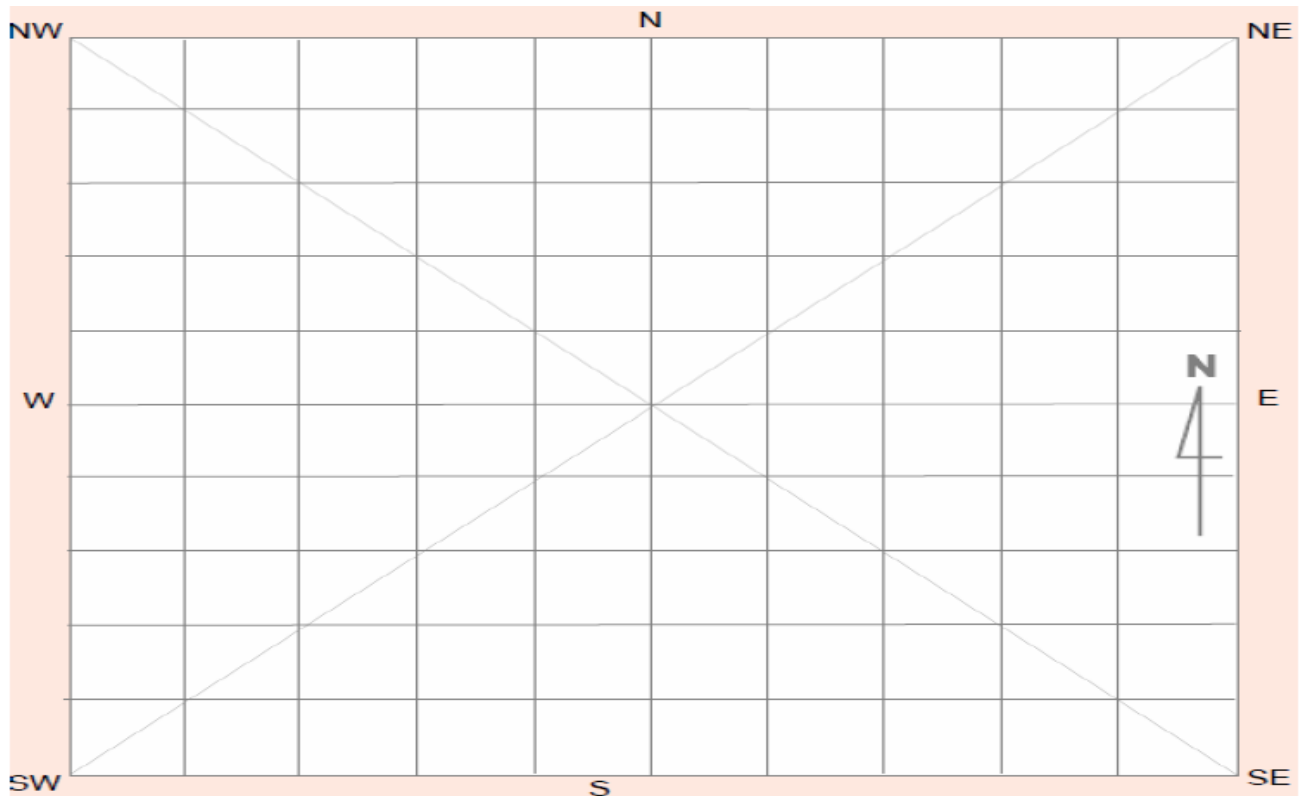
Other site information:

The rock shelter is 11.6m x 4.3m, and 3m in height. The shelter has a sandy floor sloping down to East and rock floor at rear. 1 single quartz flake artefact was located out the front of the shelter. The site is in poor condition and assessed to be of low archaeological significance.

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)

1.

Feature condition:

Description:

A single quartz flake was found lying in front of the rock shelter.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.

Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

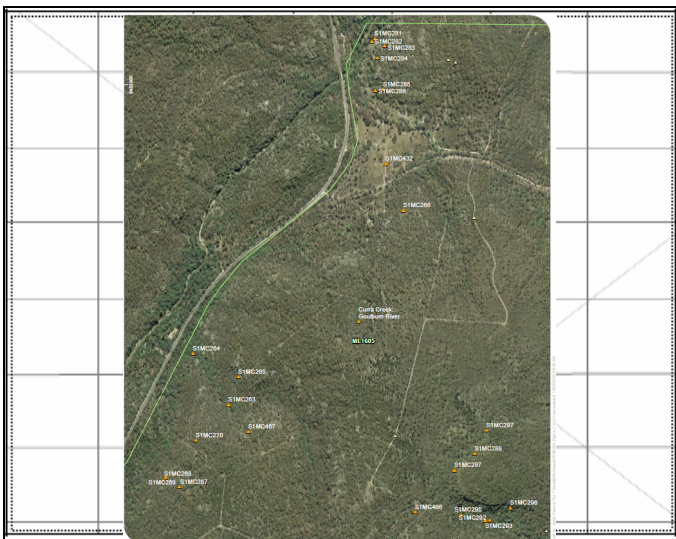
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.

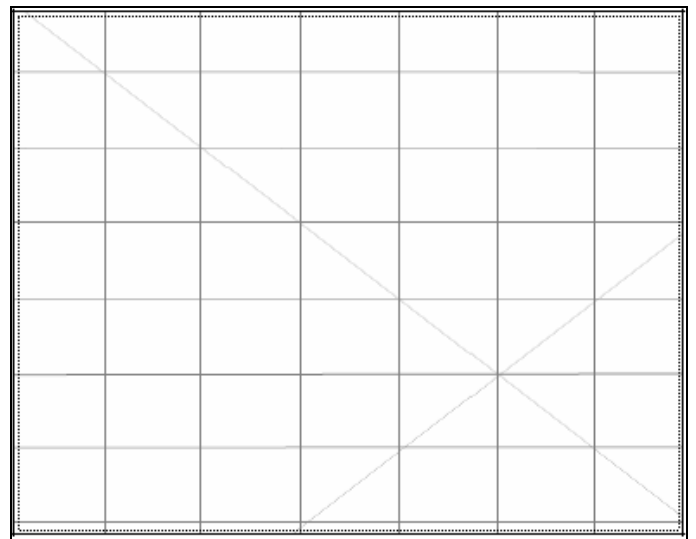
Feature condition:

Description:

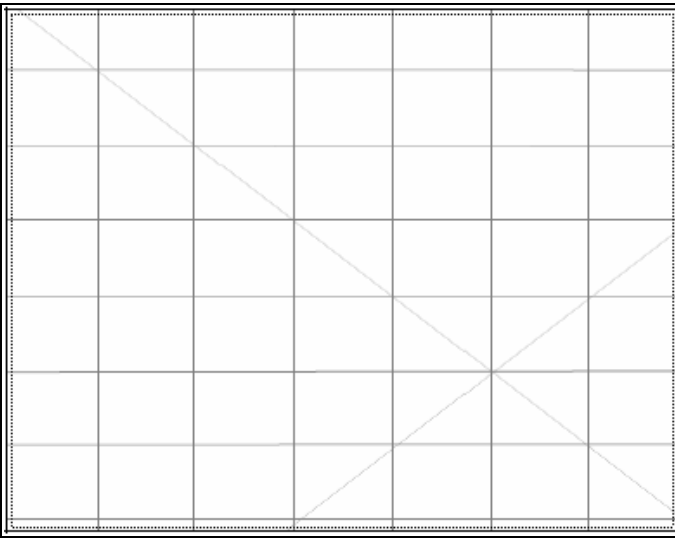
Site photographs



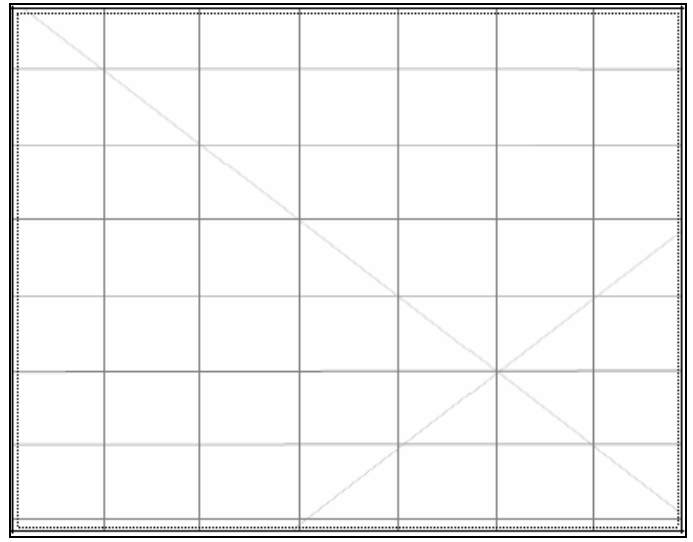
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1081

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC266

Easting: 763008 Northing: 6431400 AMG GDA

Mapsheet: Durrigere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: 500m-2km
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

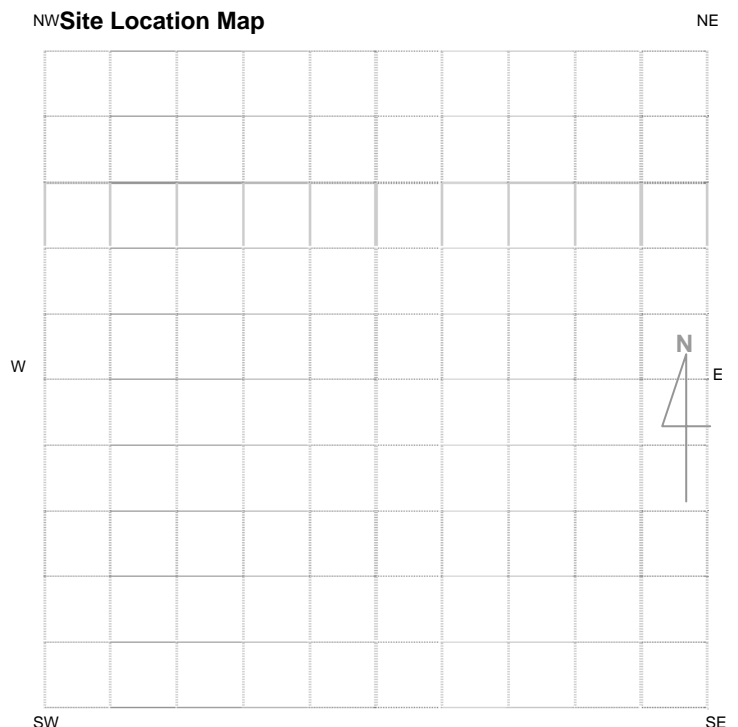
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

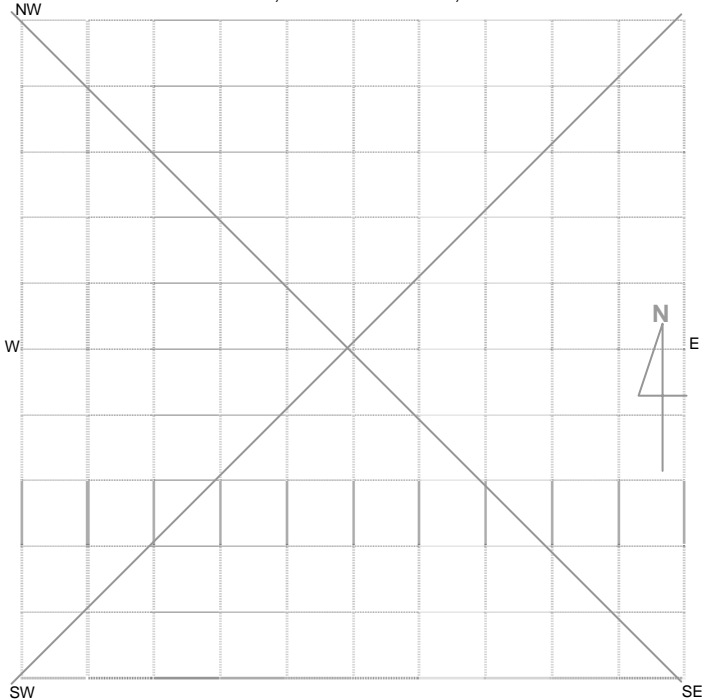
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input checked="" type="checkbox"/> N/A		

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
- Estimated area of visible site
- Length of assessed site area

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single quartz flake lying in front of a rock shelter. Site is in poor condition and assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

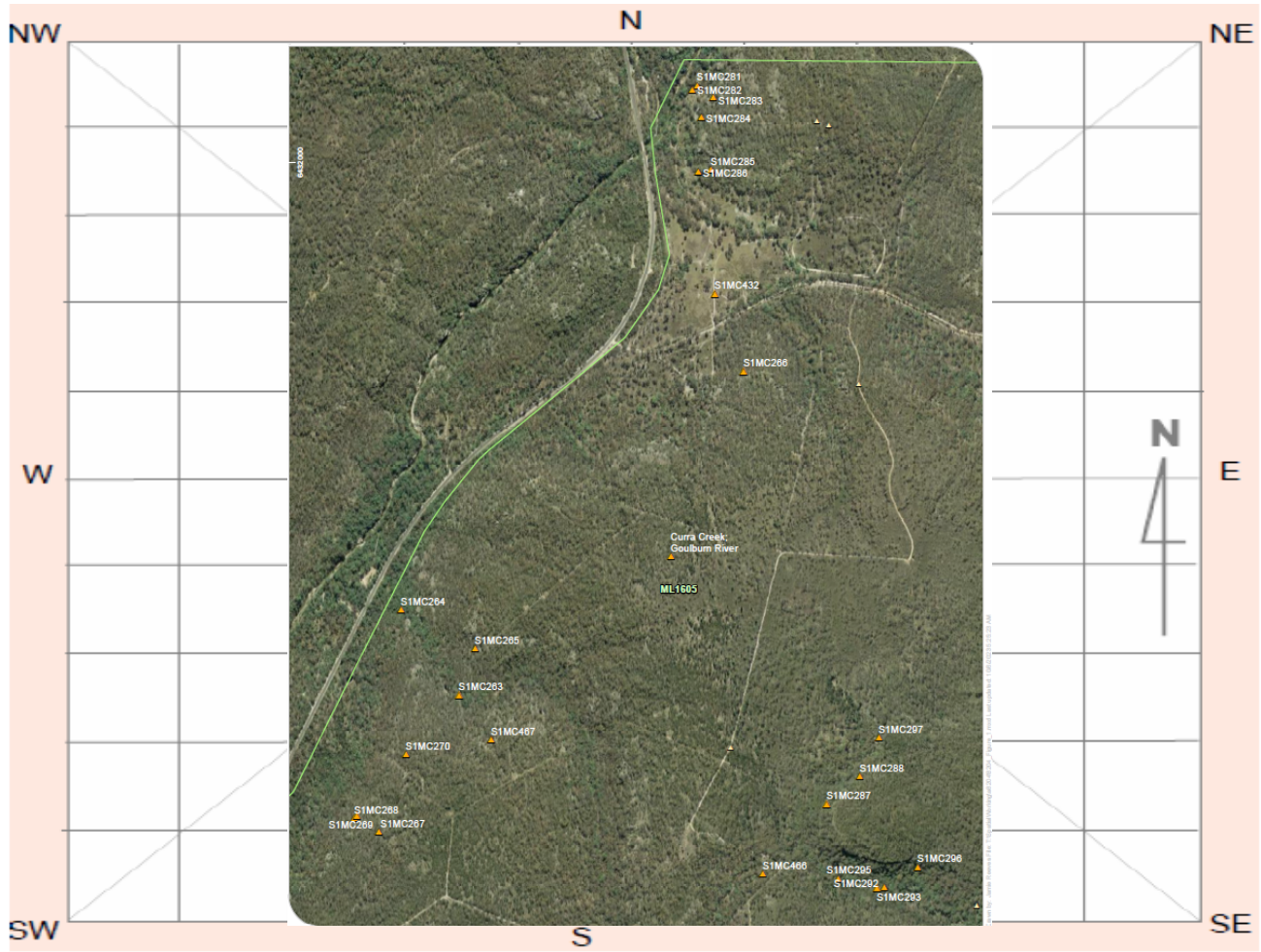
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

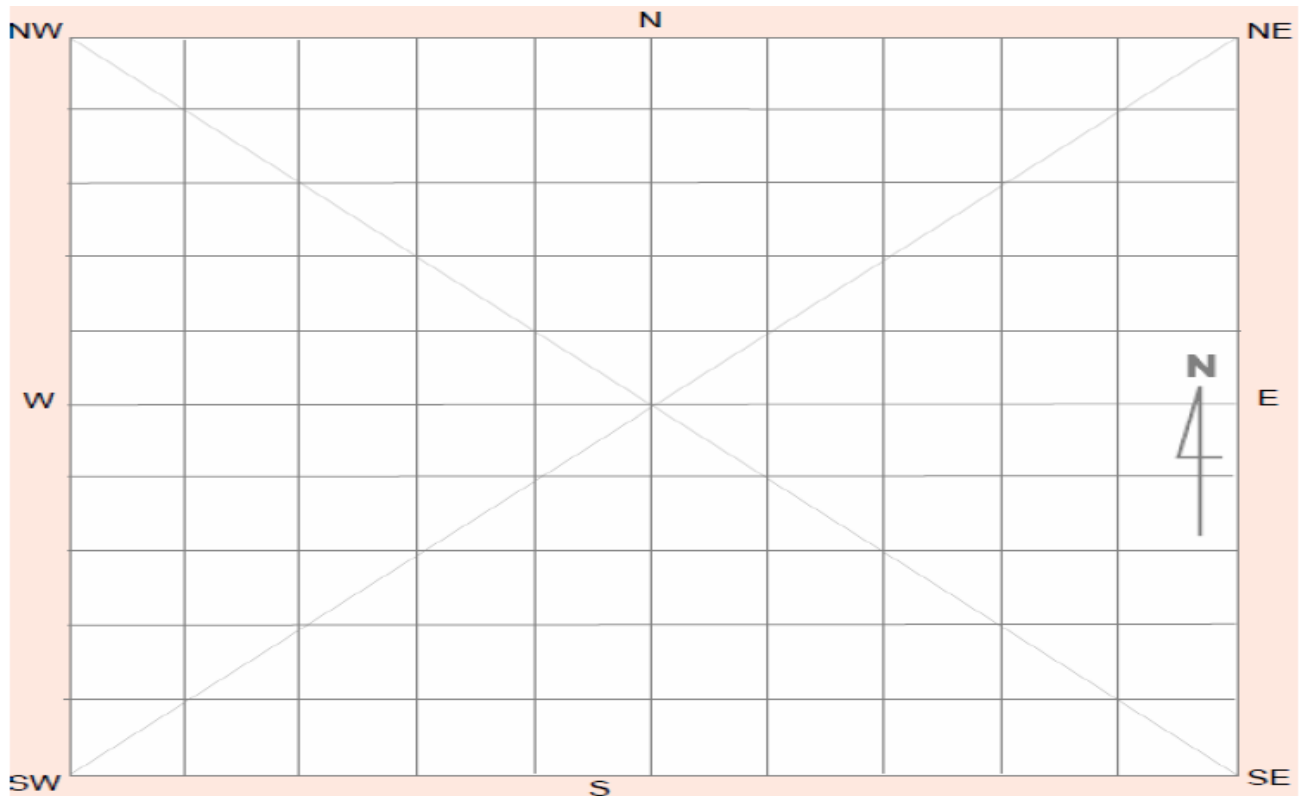
How to get to the site:

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)

1.

Feature condition:

Description:

There are 10 quartz artefacts lying in front of the rock shelter.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

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"/>

Features:

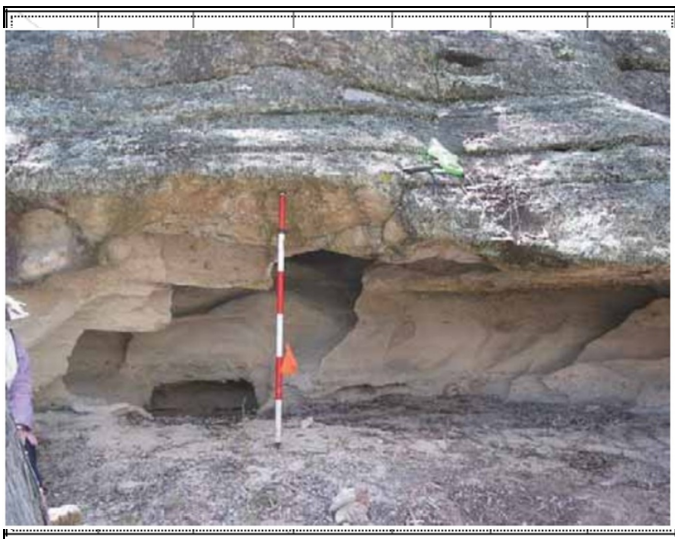
5.

Feature condition:

Description:

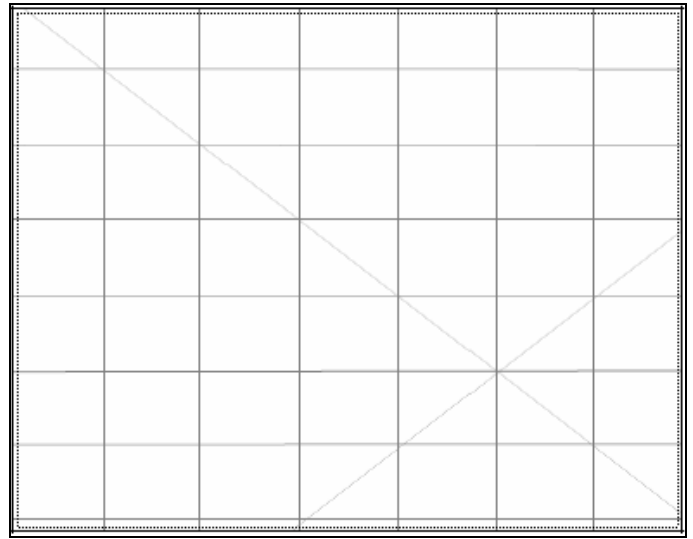
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Site photographs



Description: S1MC267. Source: G. Hamm, Aboriginal Cultural Heritage Assessment Report, 2006.

Description: S1MC267. Source: G. Hamm, Aboriginal Cultural Heritage Assessment Report, 2006.



Description:

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1082

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC267

Easting: 761945 Northing: 6430063 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: 100-50m
 Name of nearest permanent water source:
 Name of nearest temporary water:

Directions for Relocation

Soil Type

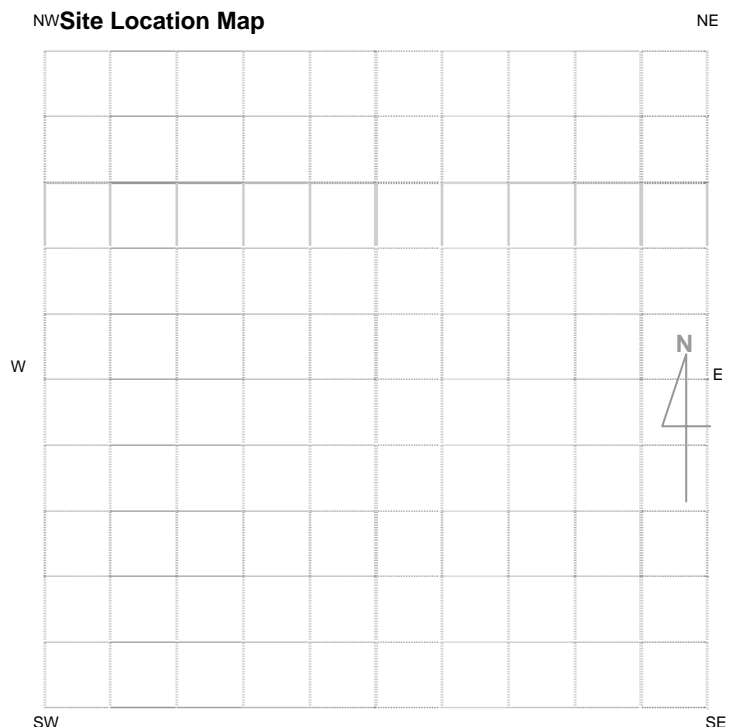
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

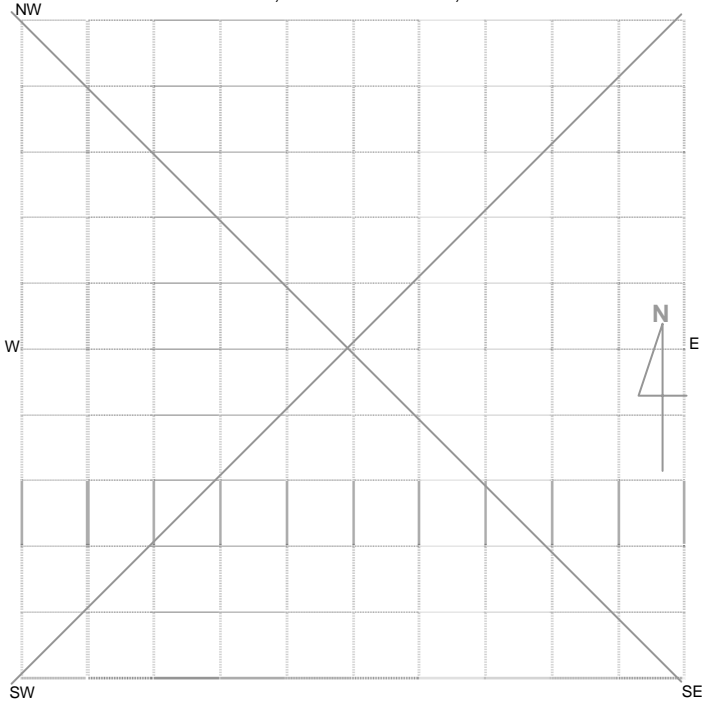
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

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)

- 17m Total length of visible site
- 10m Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter containing 10 artefacts lying in front of rock shelter, all made from quartz in poor condition. Site is assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

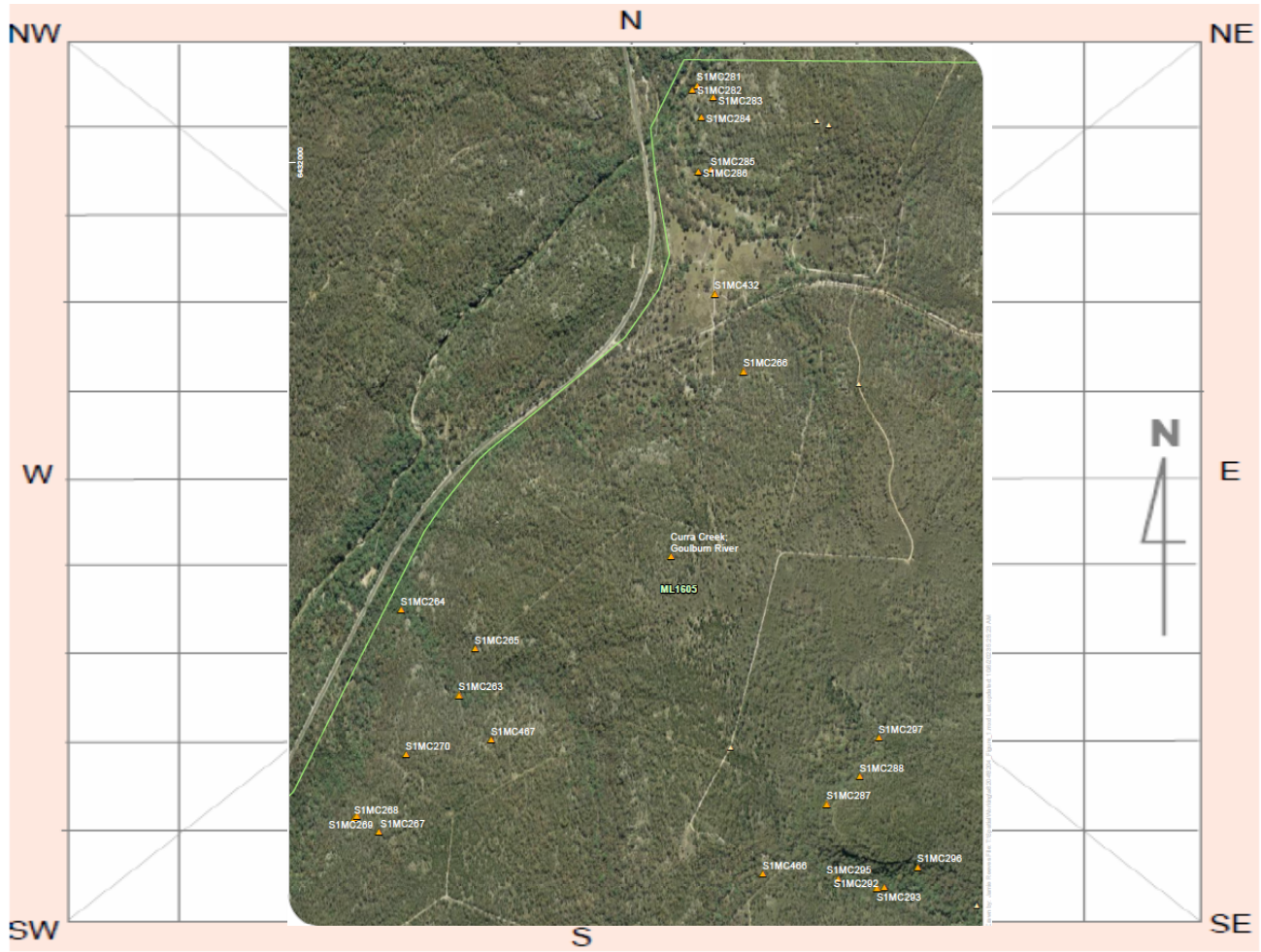
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

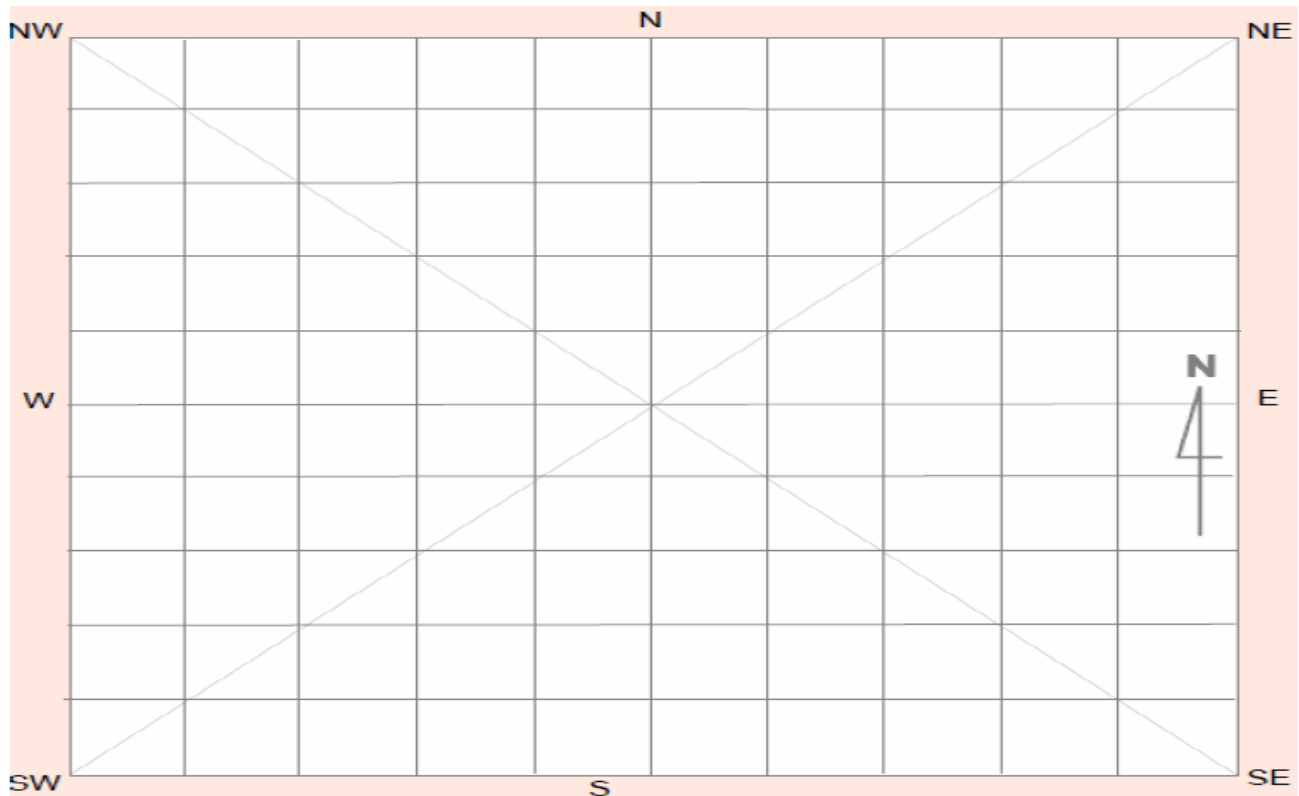
How to get to the site:

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

The site was recorded in 2007 as a single quartz artefact lying down slope from a rock shelter on the edge of an ephemeral channel. In the MCO Subsidence Impact Assessment by Strata Engineering, 2006 the site listed as RS114 is in close proximity to S1MC268 and likely the associated rock shelter.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.

Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

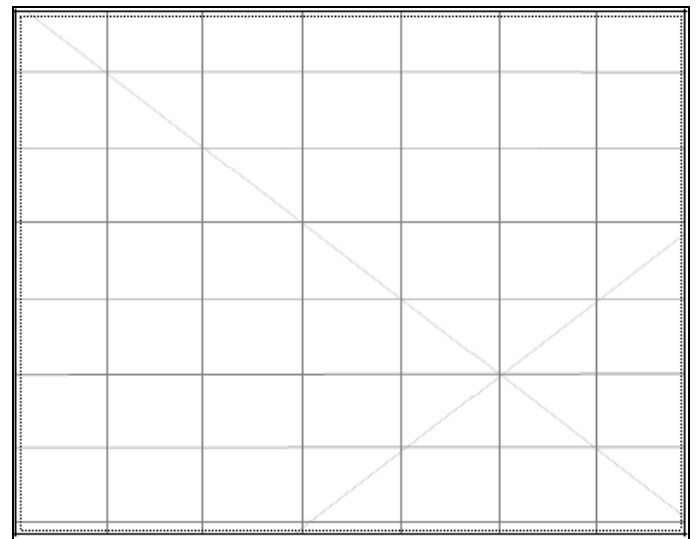
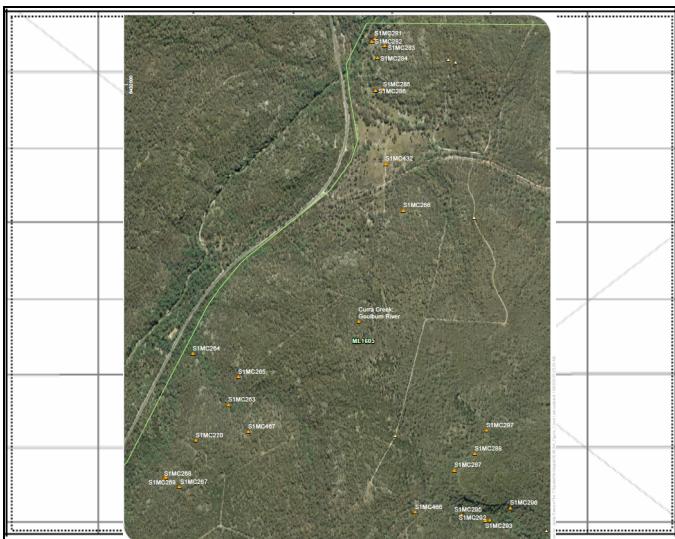
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.

Feature condition:

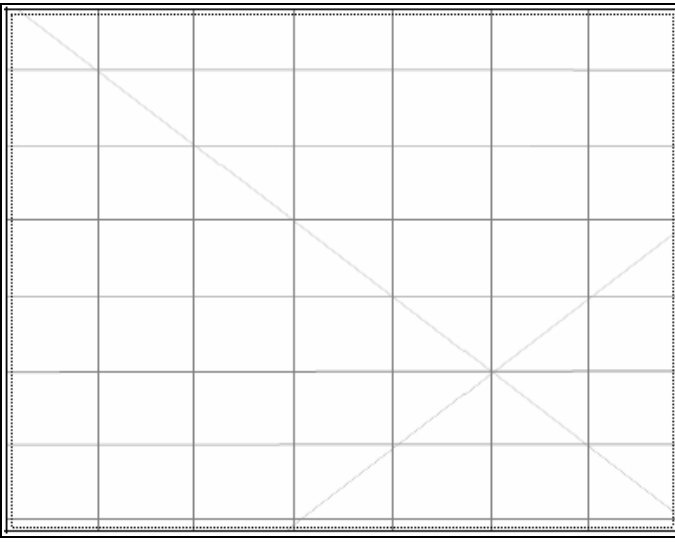
Description:

Site photographs

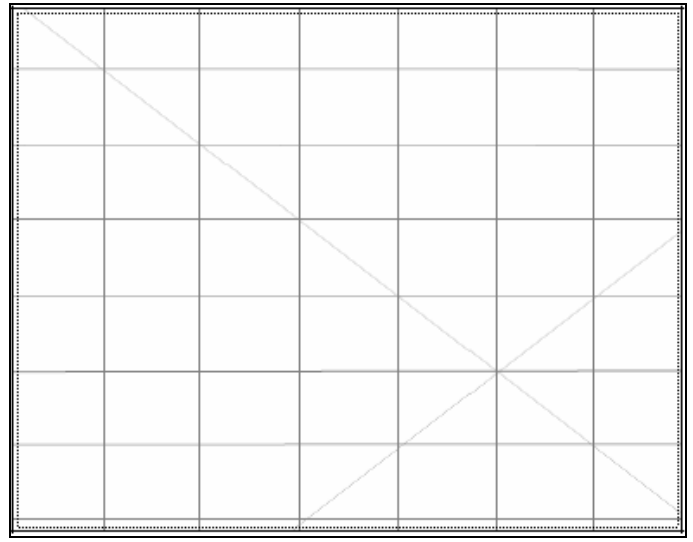


Description:

Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1083

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC268

Easting: 761875 Northing: 6430102 AMG GDA

Mapsheet: Durrigere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500m-2km

Distance to temporary water source:

Name of nearest permanent water source:

Name of nearest temporary water:

Directions for Relocation

Soil Type

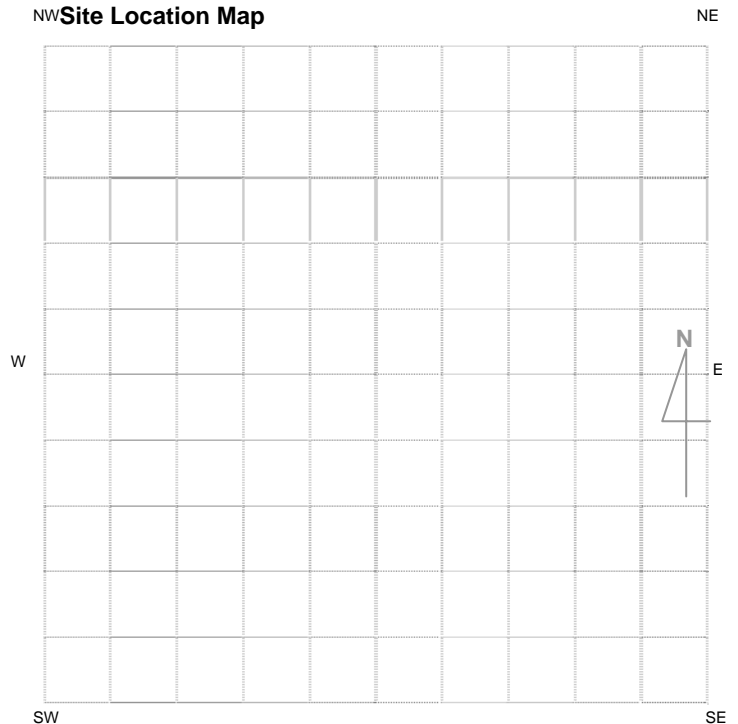
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

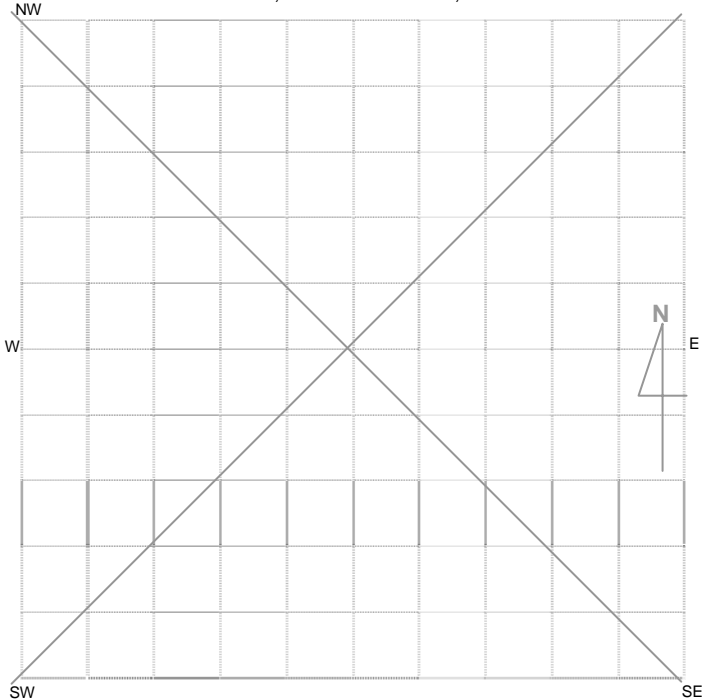
Site Location Map



Please See Attached Map

General Site Information		Features	
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input checked="" type="checkbox"/> N/A	
<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		<p>Features</p> <input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole	
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	

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
- Estimated area of visible site
- Length of assessed site area

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single quartz flake lying down slope from rock shelter on edge of ephemeral channel. Poor condition. Site is assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

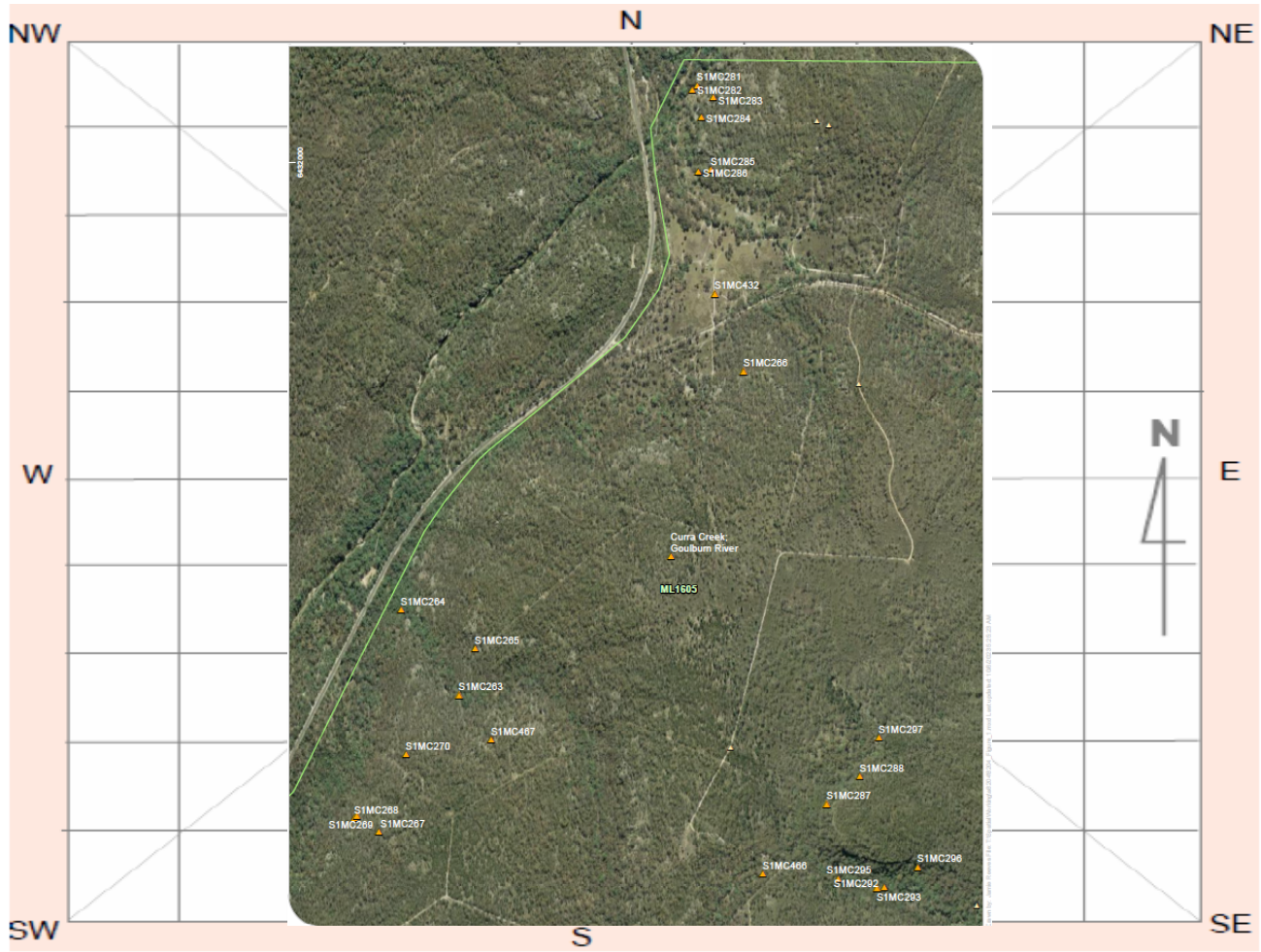
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

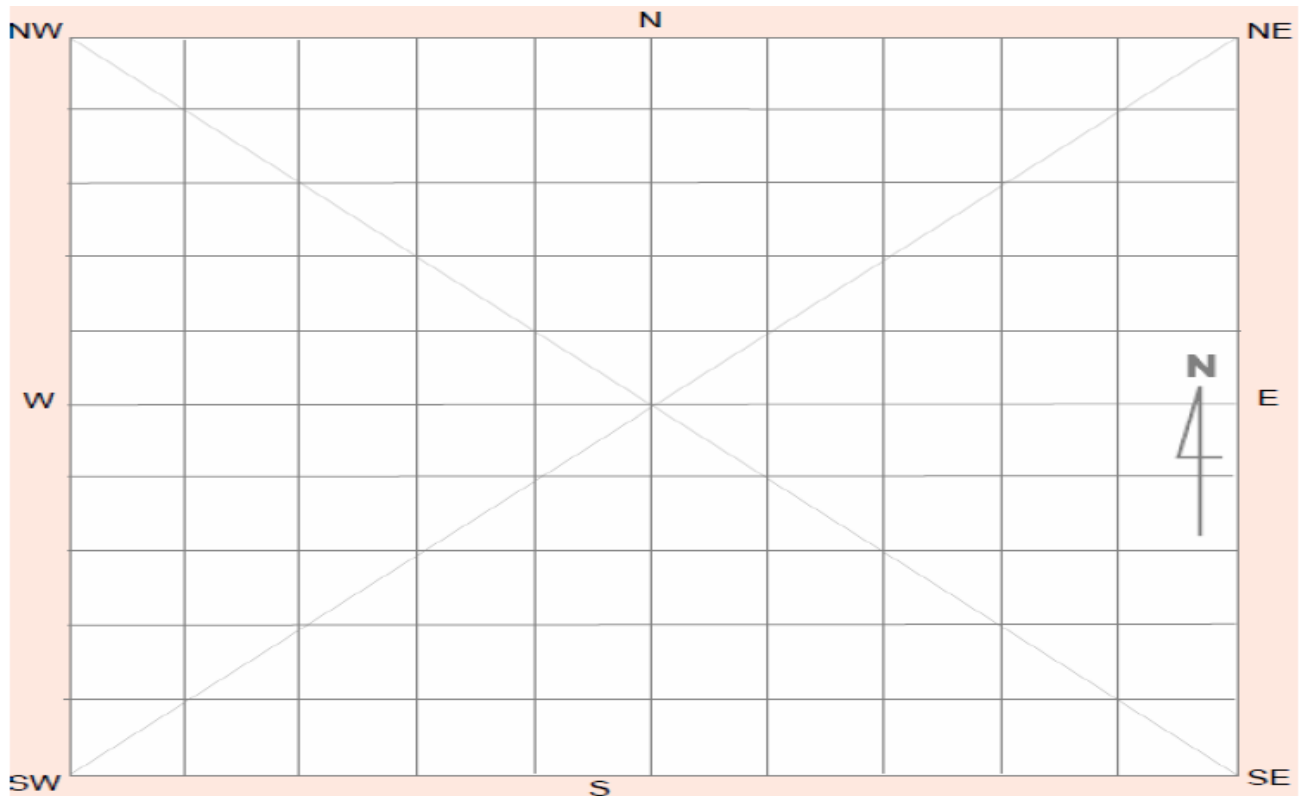
How to get to the site:

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)
1	1	1

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1.

Feature condition:

Description:

The site was recorded in 2007 as a single isolated grey tuff flake on edge of ephemeral channel. In the MCO Subsidence Impact Assessment by Strata Engineering, 2006 the site listed as RS111 in the same location as S1MC269 is recorded as a shelter with an artefact scatter out the front. There is a wombat hole inside the shelter and it was suggested that artefacts may have been kicked up by wombat.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
<input type="text"/>	<input type="text"/>	<input type="text"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2.

Feature condition:

Description:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
<input type="text"/>	<input type="text"/>	<input type="text"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3.

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.

Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

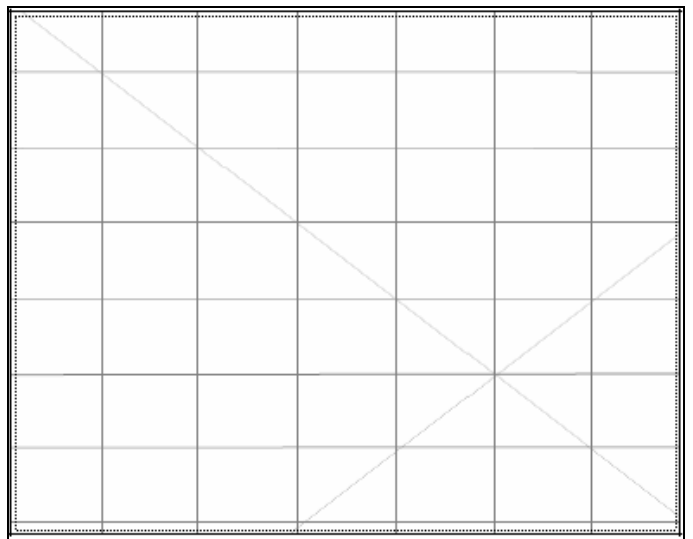
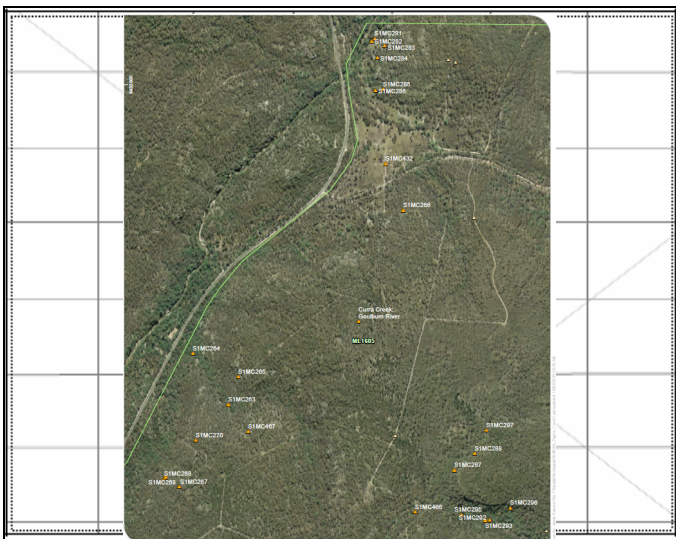
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.

Feature condition:

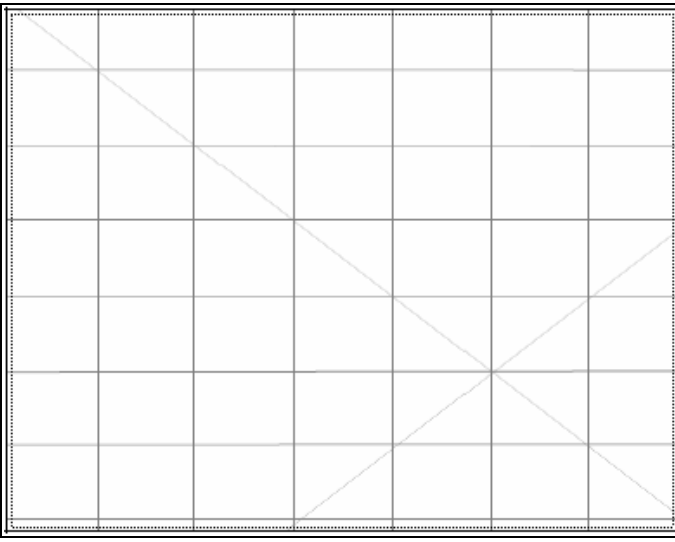
Description:

Site photographs

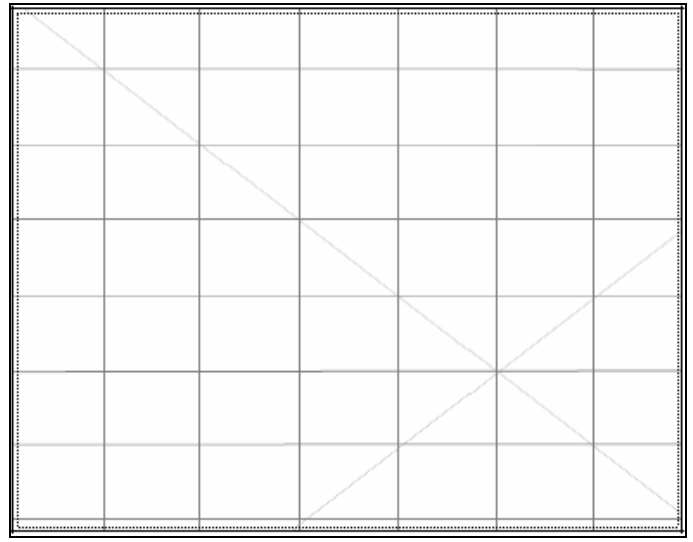


Description:

Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1084

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC269

Easting: 761882 Northing: 6430110 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500m-2km
 Distance to temporary water source: <100m
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

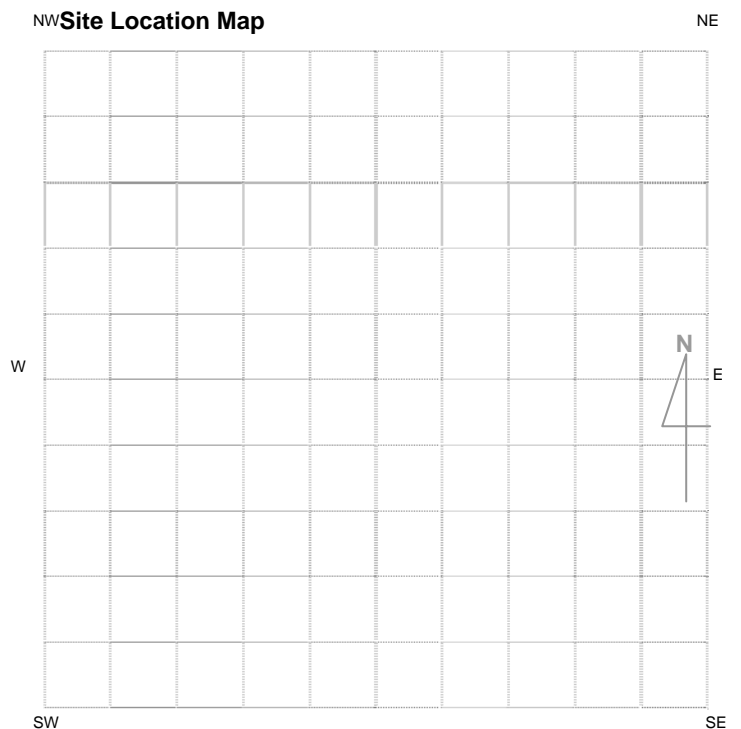
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

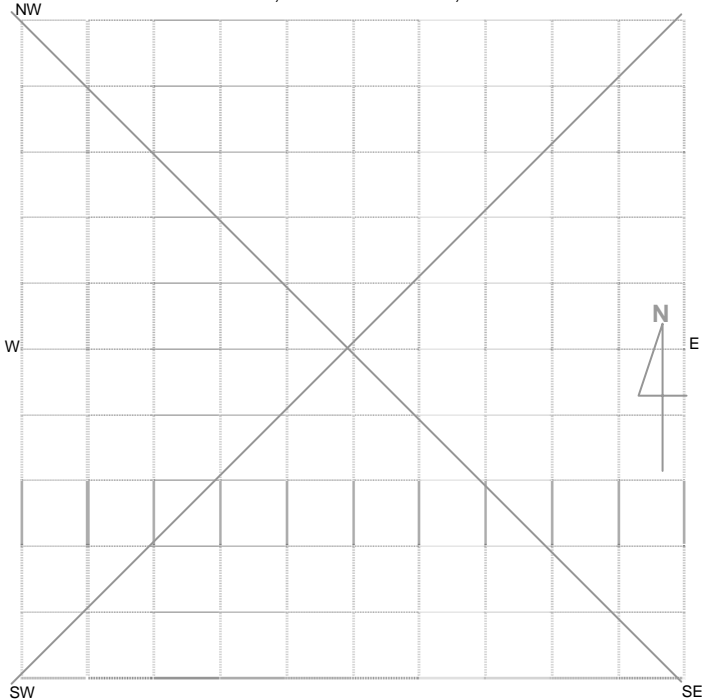
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

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
- Estimated area of visible site
- Length of assessed site area

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single isolated grey tuff flake lying on edge of ephemeral channel. Site is in poor condition and assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1085

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC270

Easting: 762024 Northing: 6430287 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500-2km
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

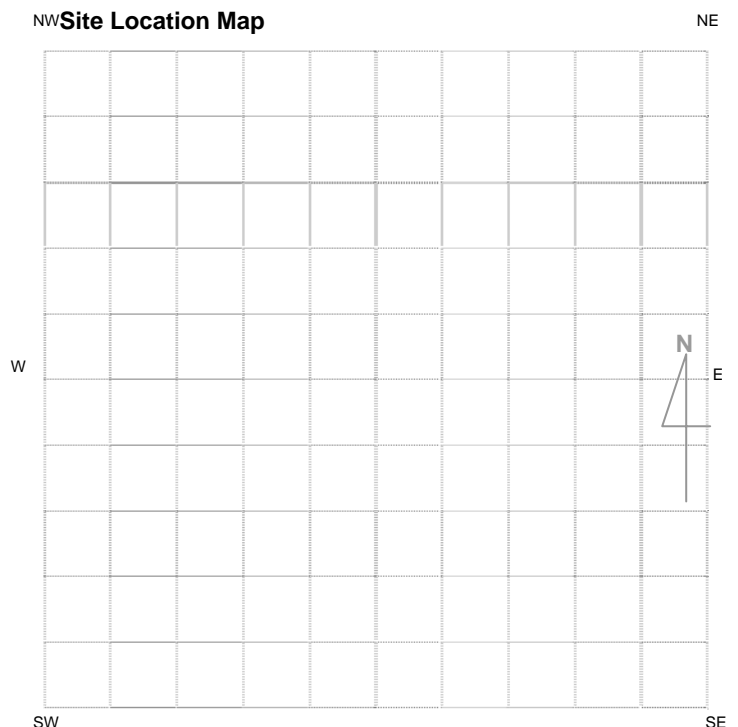
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

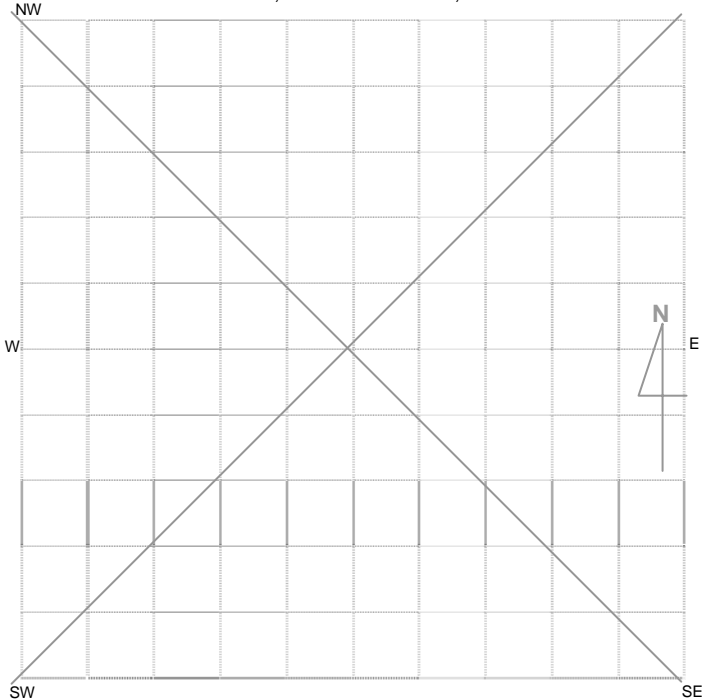
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

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
- Estimated area of visible site
- Length of assessed site area

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single isolated quartz core lying on ridge slope in poor condition, site is assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: **Northing:** **Coordinates must be in GDA94 (MGA)**

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: **E-mail:**

Site Context Information

Land Form Pattern: **Land Use:**

Land Form Unit: **Vegetation:**

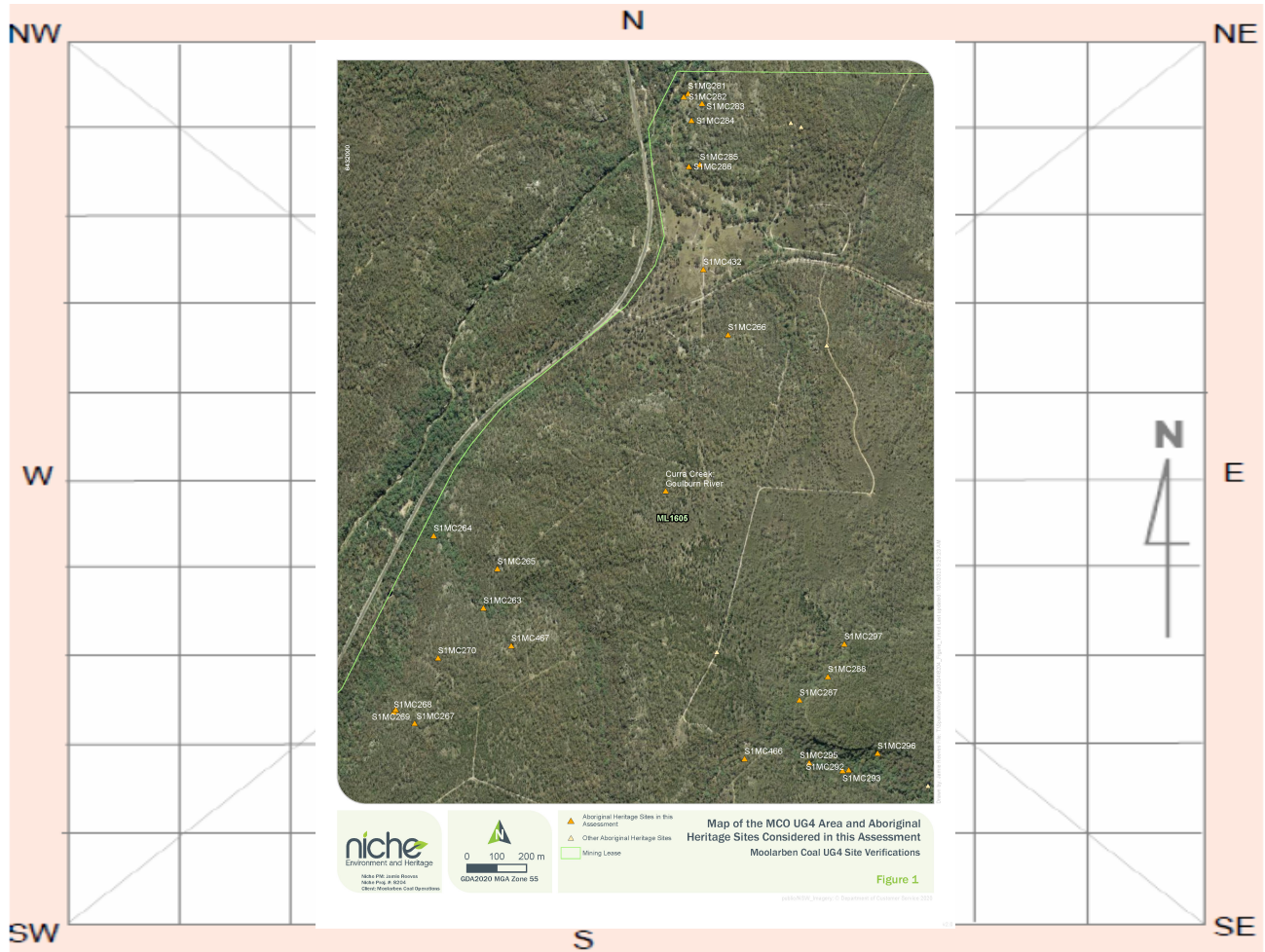
Distance to Water (m): **Primary Report:**

How to get to the site:

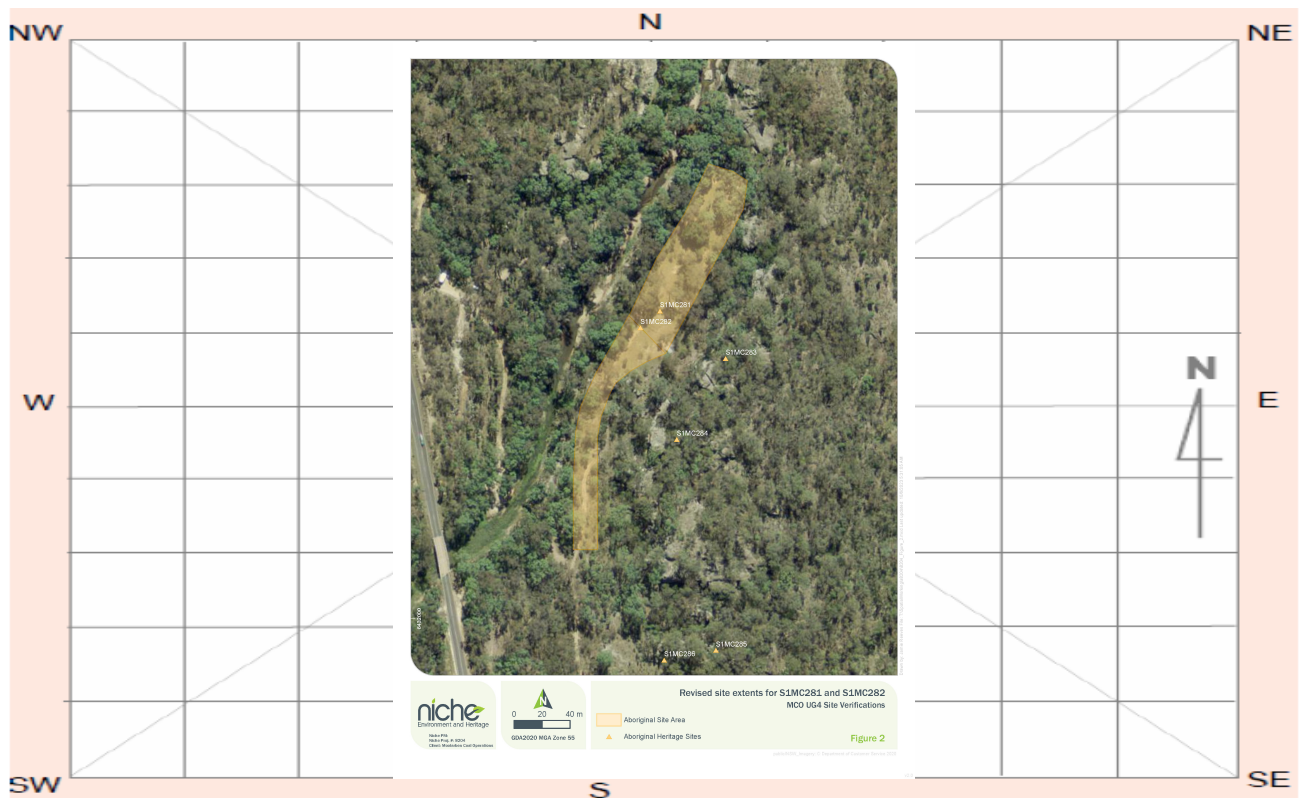
Other site information:

Archaeological visibility and exposure conditions during inspection by Niche in 2023 were poor, but found artefacts occurring for approximately 150 m along a vehicle track south of the site location originally recorded for S1MC282. There are various rural infrastructure ruins and relics such as stockyards, sheds, slabs and shelters. These structures are of no heritage value.

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

There are 65 artefacts lying adjacent to Goulburn River. The site is in a poor condition and has been identified to be part of a continuous large open artefact site encompassing the nearby site S1MC281 (AHIMS ID# 36-3-1095). The site has been identified to have high archaeological significance (Hamm 2006).

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<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)

5.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

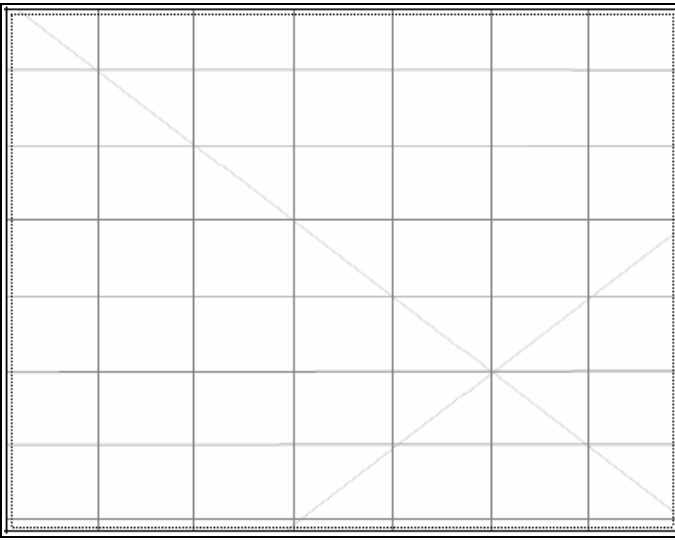
Site photographs



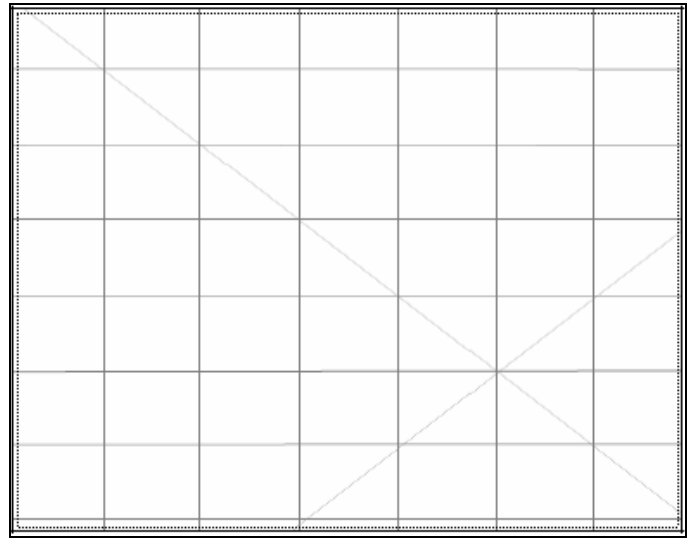
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

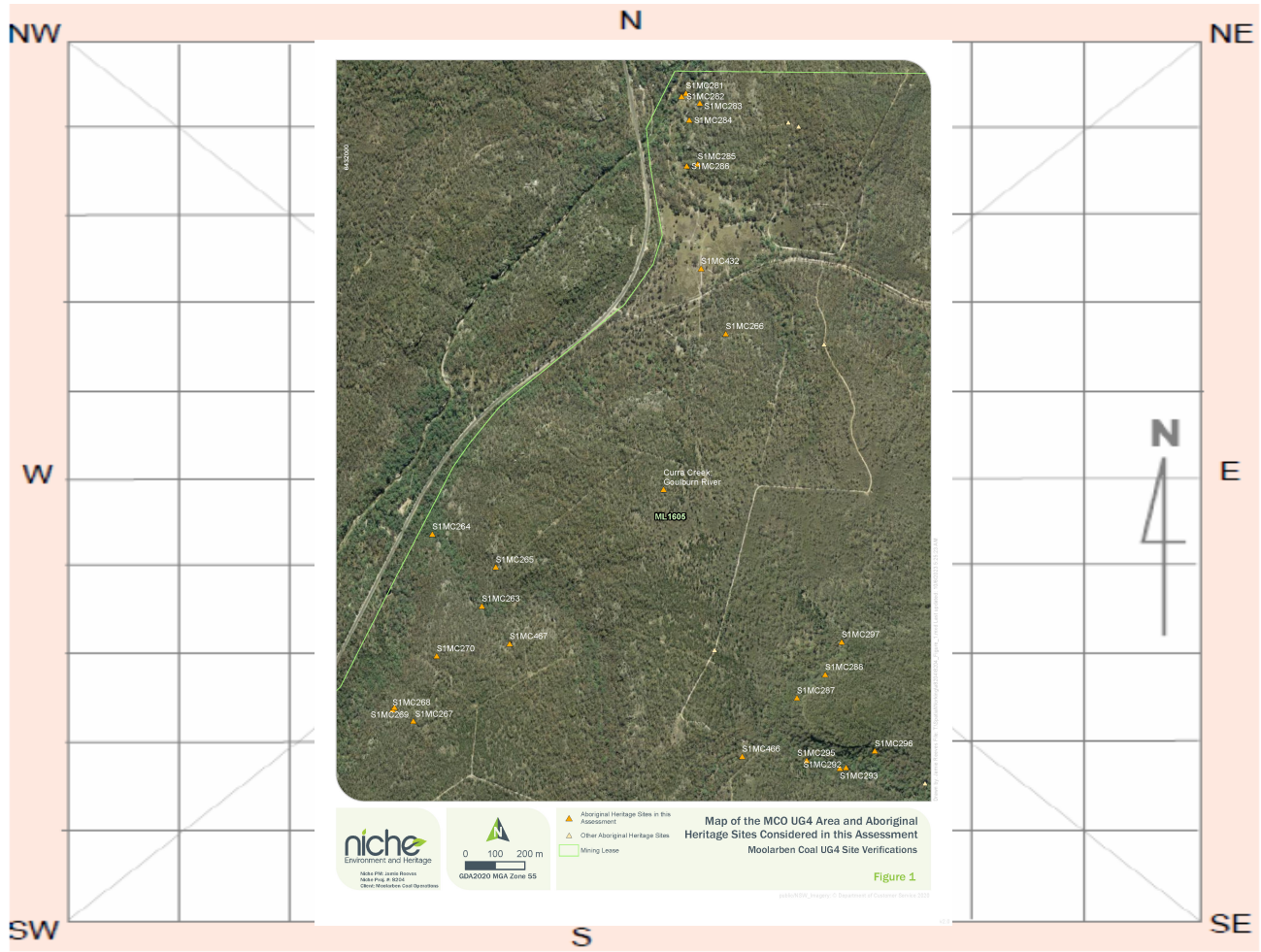
Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Archaeological visibility and exposure conditions during inspection by Niche in 2023 were poor, but found artefacts occurring for approximately 150 m along a vehicle track south of the site location originally recorded for S1MC282. There are various rural infrastructure ruins and relics such as stockyards, sheds, slabs and shelters. These structures are of no heritage value.

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

There are 65 artefacts lying adjacent to Goulburn River. The site is in a poor condition and has been identified to be part of a continuous large open artefact site encompassing the nearby site S1MC281 (AHIMS ID# 36-3-1095). The site has been identified to have high archaeological significance (Hamm 2006).

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

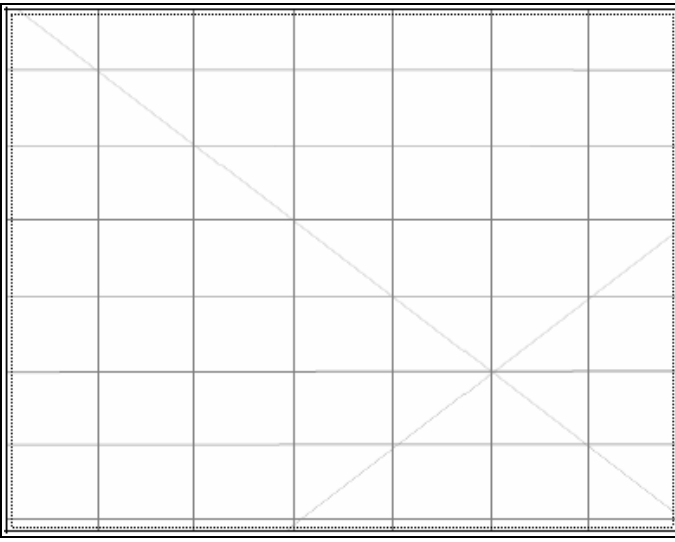
Site photographs



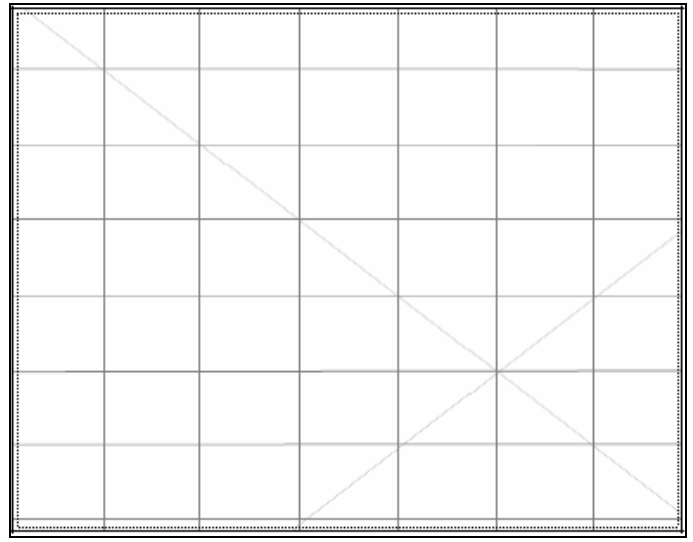
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

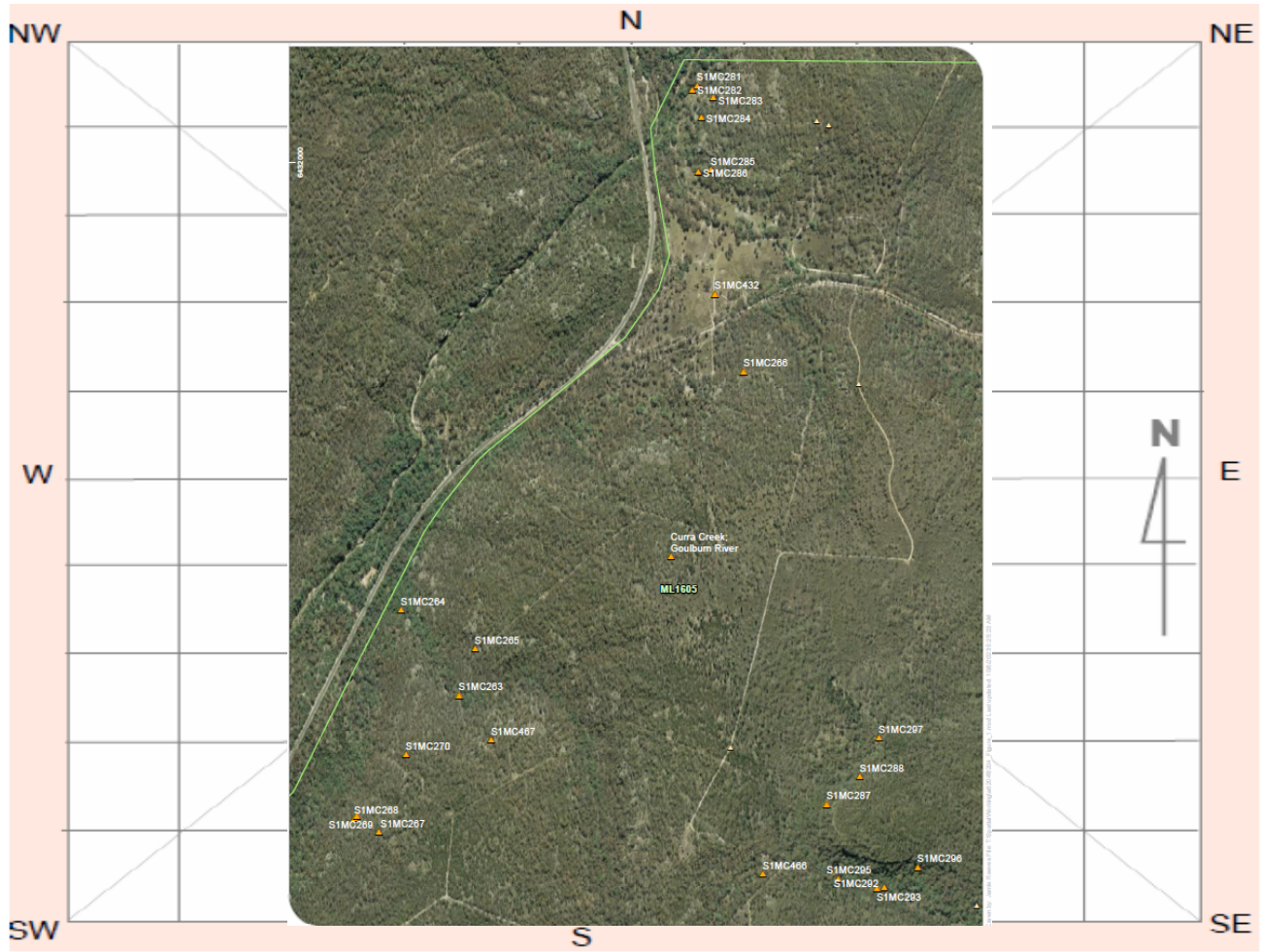
Distance to Water (m): Primary Report:

How to get to the site:

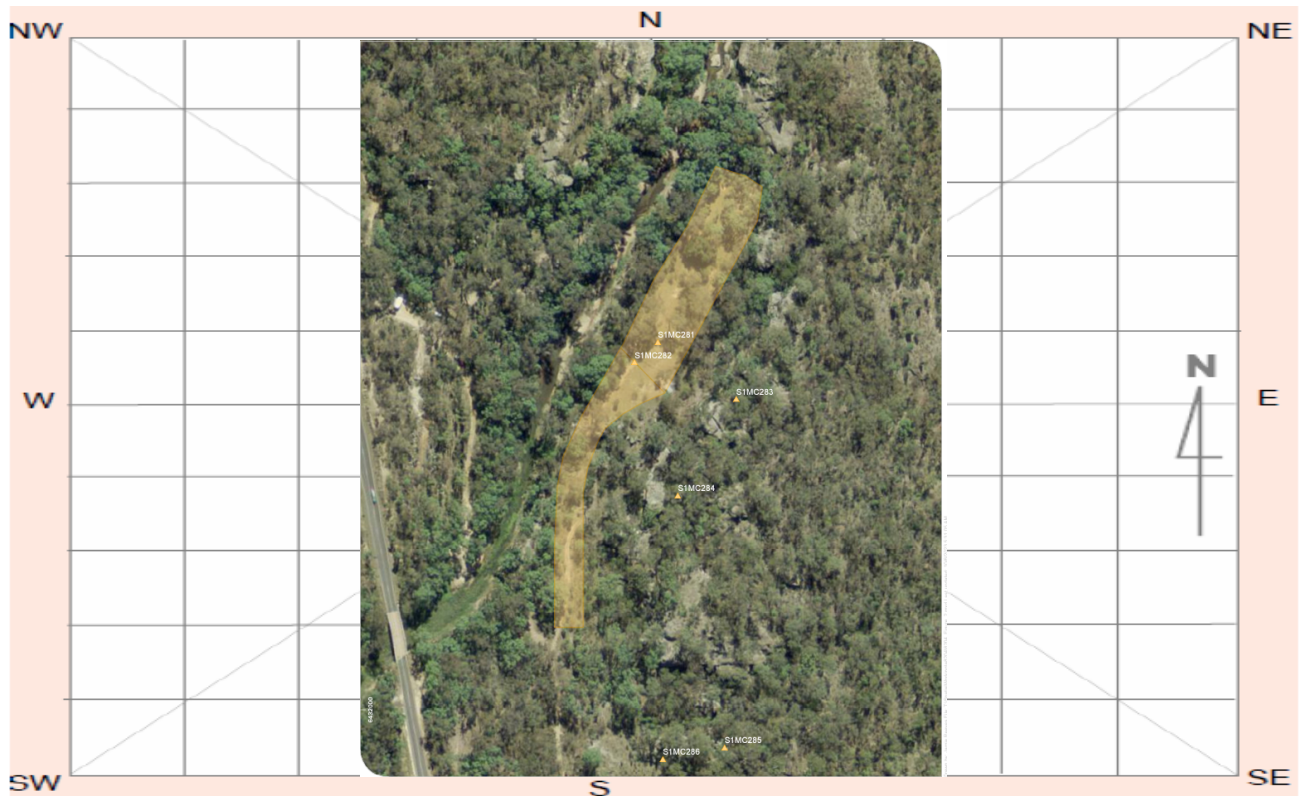
Other site information:

Archaeological visibility and exposure conditions during inspection by Niche in 2023 were poor, but found artefacts occurring for approximately 150 m along a vehicle track south of the site location originally recorded for S1MC282. There are various rural infrastructure ruins and relics such as stockyards, sheds, slabs and shelters. These structures are of no heritage value.

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

There are 65 artefacts lying adjacent to Goulburn River. The site is in poor condition and assessed to be of low archaeological significance. S1MC282 is actually part of a continuous artefact scatter approximately 300m long with site S1MC281 (AHIMS ID# 36-3-1095), located north of the location recorded for S1MC282.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<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)

5.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

Site photographs



Description:



Description:



Description: General context photo, showing rural infrastructure



Description: Photo showing rural infrastructure at the site

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: <100m
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

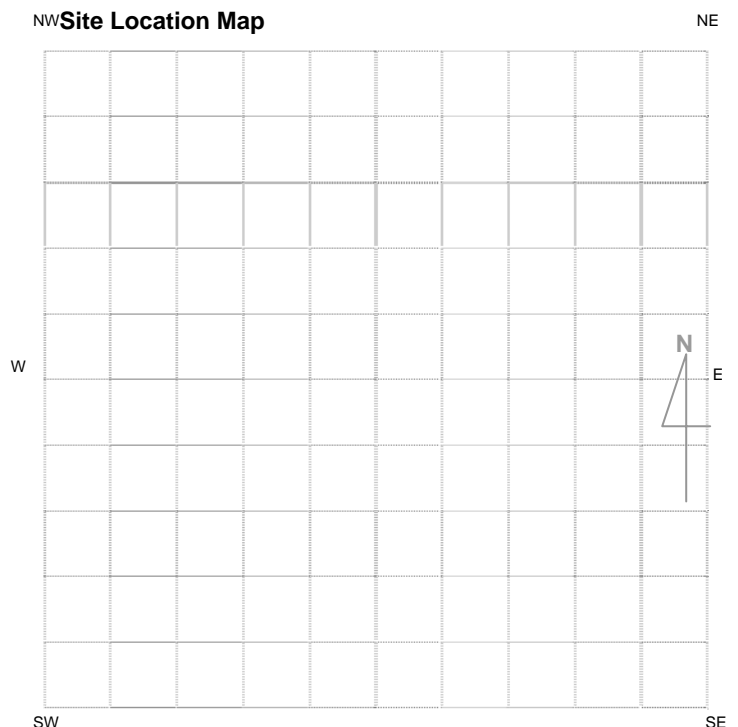
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

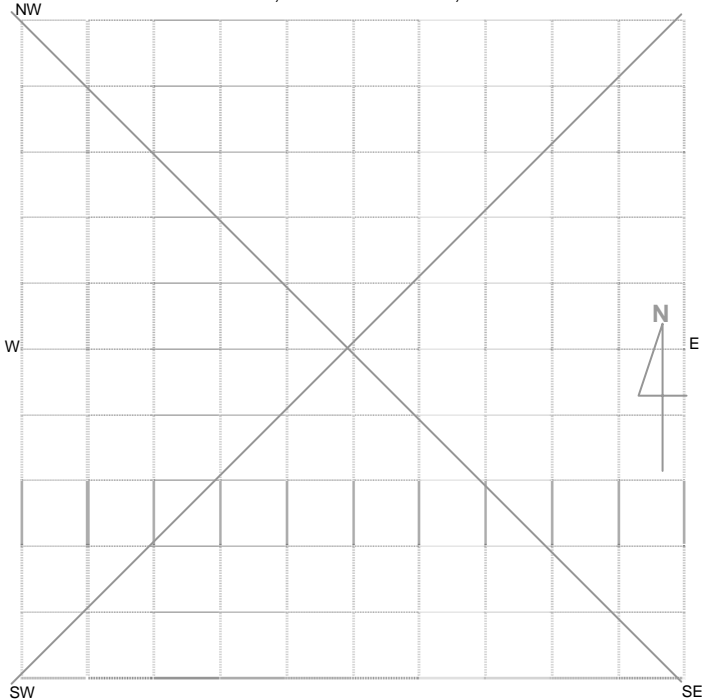
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input checked="" type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

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)

- 160m Total length of visible site
- 15m Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter containing 65 artefacts lying adjacent to Goulburn River within disturbed eroded area, may contain potential archaeological deposit. Site is in poor condition and is of high archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: **Northing:** **Coordinates must be in GDA94 (MGA)**

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: **E-mail:**

Site Context Information

Land Form Pattern: **Land Use:**

Land Form Unit: **Vegetation:**

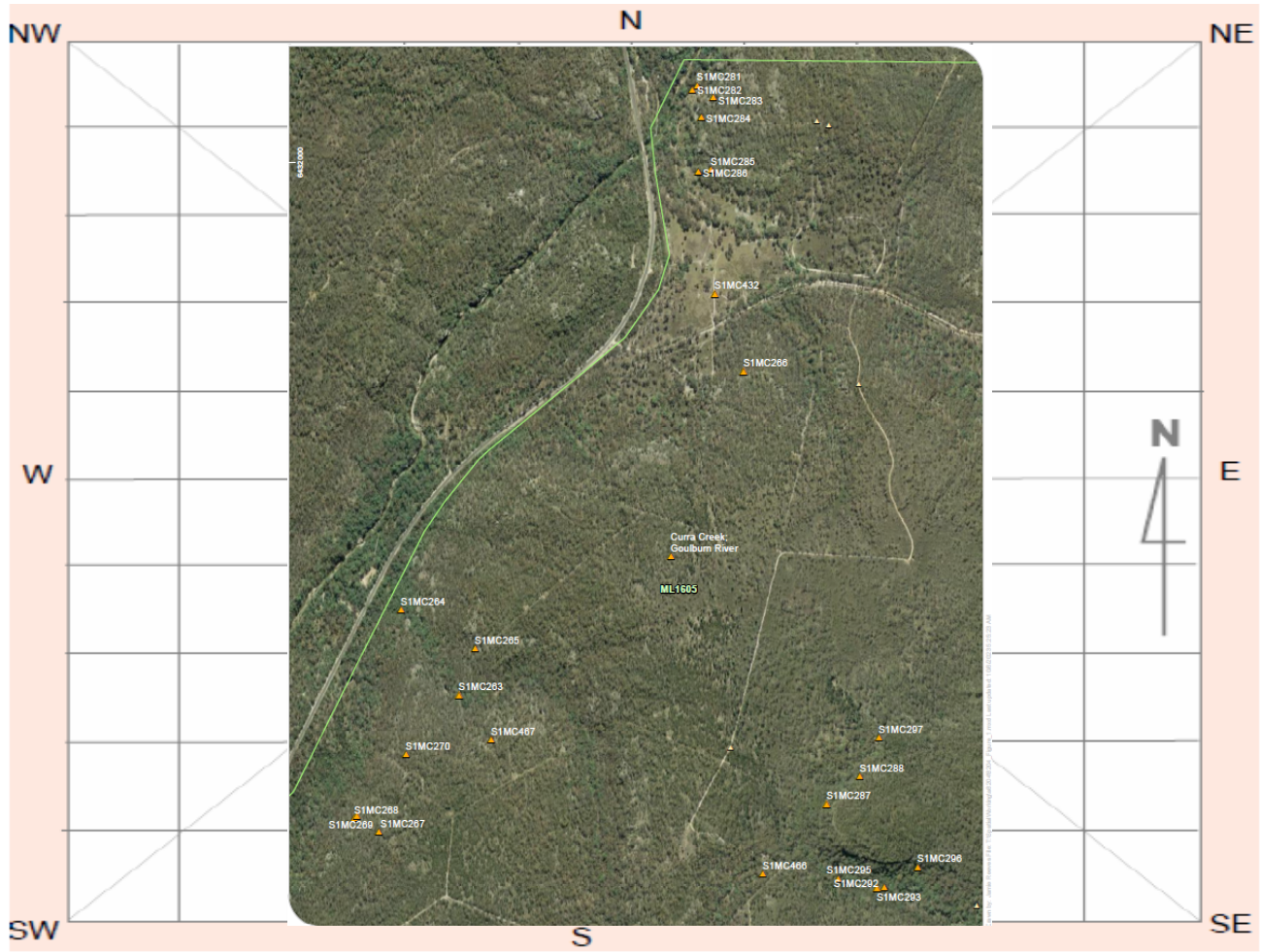
Distance to Water (m): **Primary Report:**

How to get to the site:

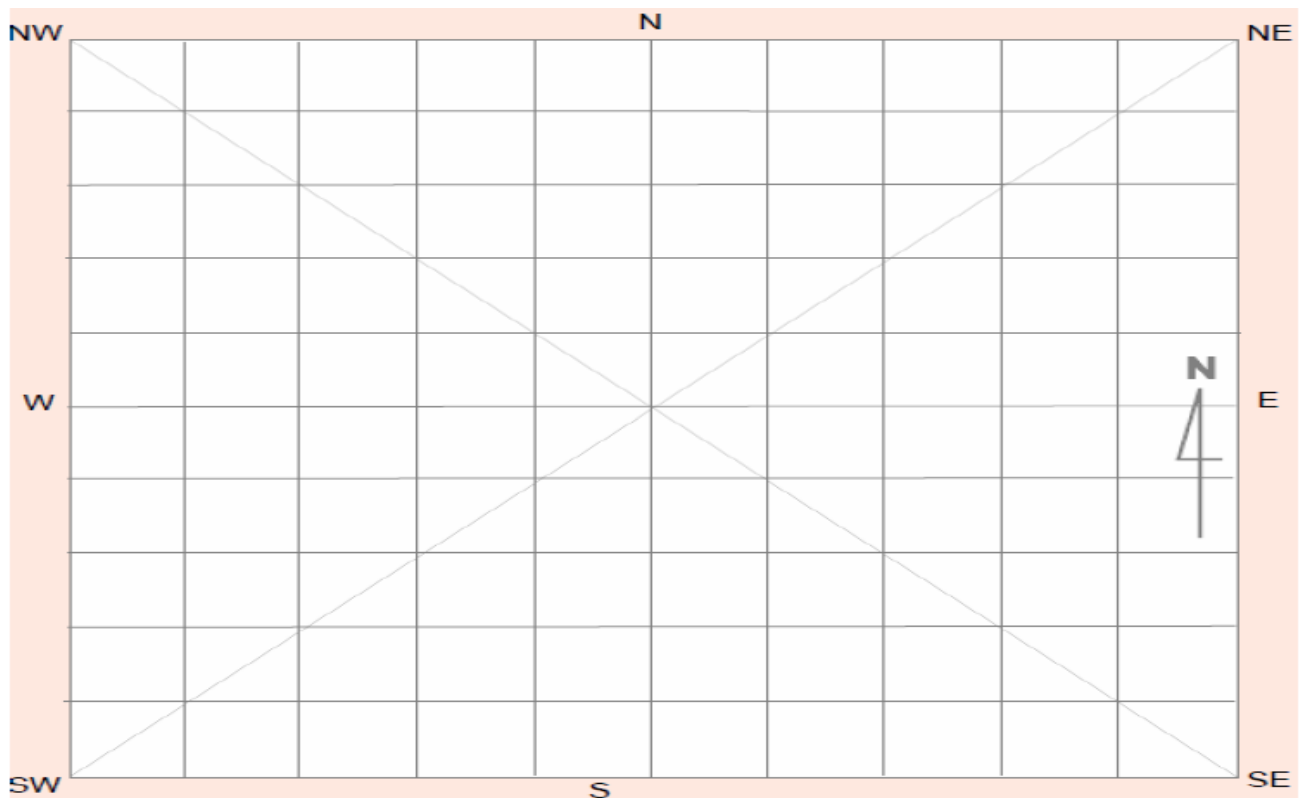
Other site information:

The site is a rock shelter with artefacts found in the dripline. It is located at Westwoods Camp, adjacent to Goulburn River. The site is in poor condition and assessed to be of high archaeological significance.

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)

1.

Feature condition:

Description:

Six artefacts lying within the dripline, all quartz

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

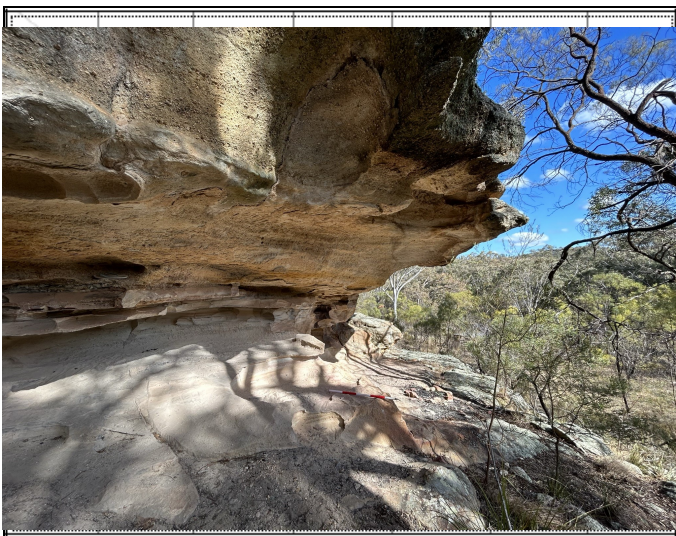
5.

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"/>

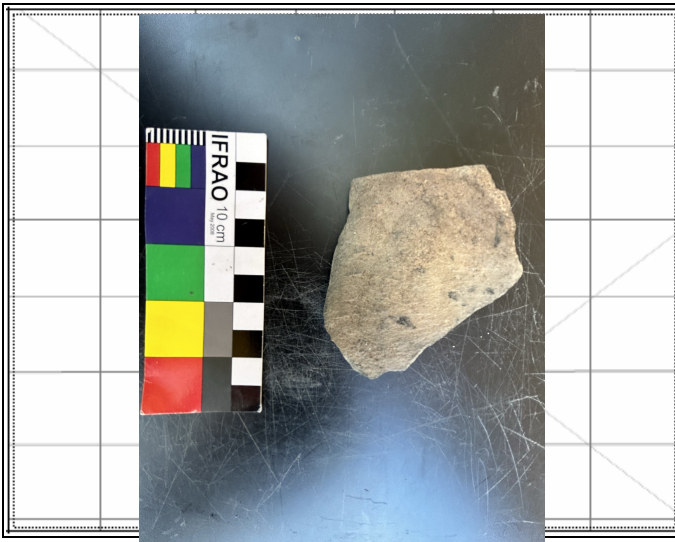
Site photographs



Description:



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title	Surname	First name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation:	<input type="text"/>	
Address:	<input type="text"/>	
Phone:	<input type="text"/>	E-mail: <input type="text"/>

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1097

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
	Orr English	Phil Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC283

Easting: 762915 Northing: 6432182 AMG GDA

Mapsheet: Durrigere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: <100m
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

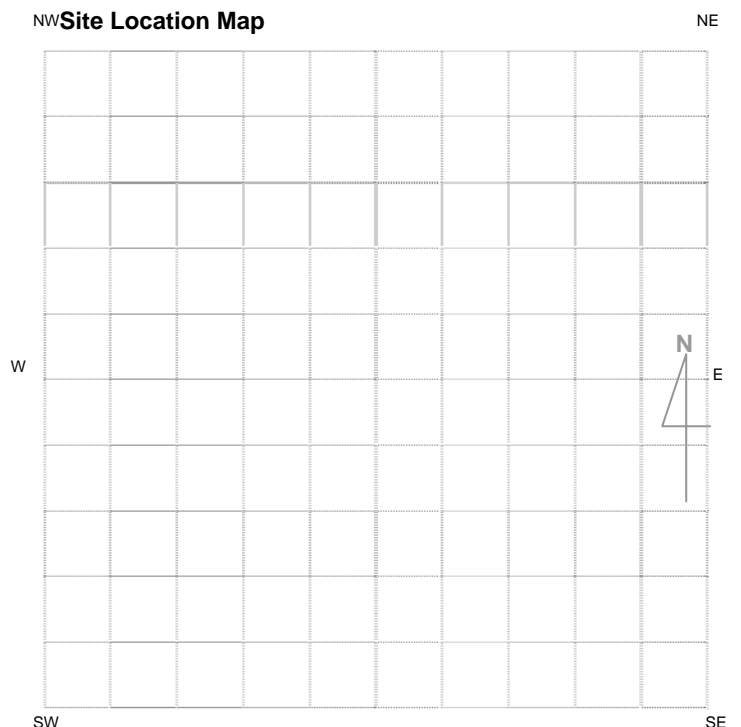
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

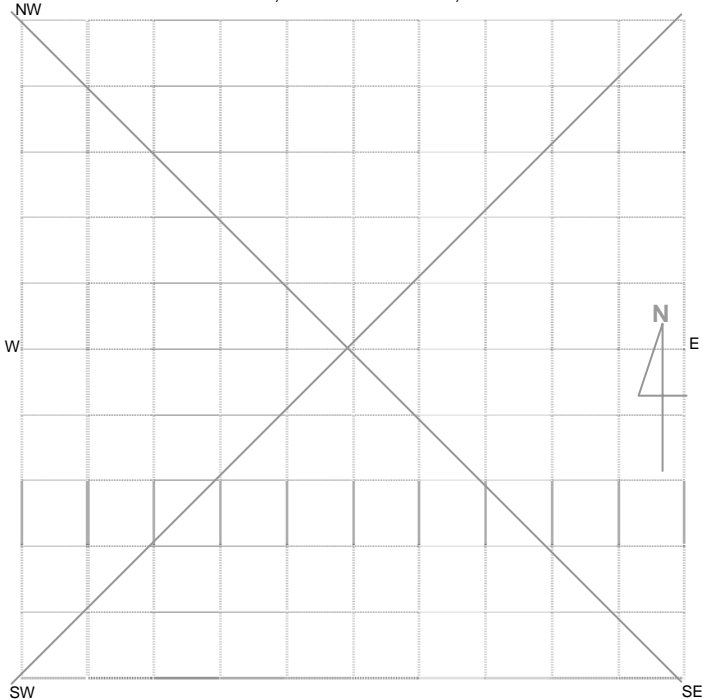
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Rock Surface Condition</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		
<p>Condition of Ceiling</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Shelter Aspect</p> <input type="checkbox"/> North <input checked="" type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 10m Internal length
- 3m Internal width
- Shelter height
- Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Rock shelter containing six artefacts lying within the dripline, all quartz. Located at Westwoods Camp adjacent to Goulburn River. Site is in poor condition and assessed to be of high archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

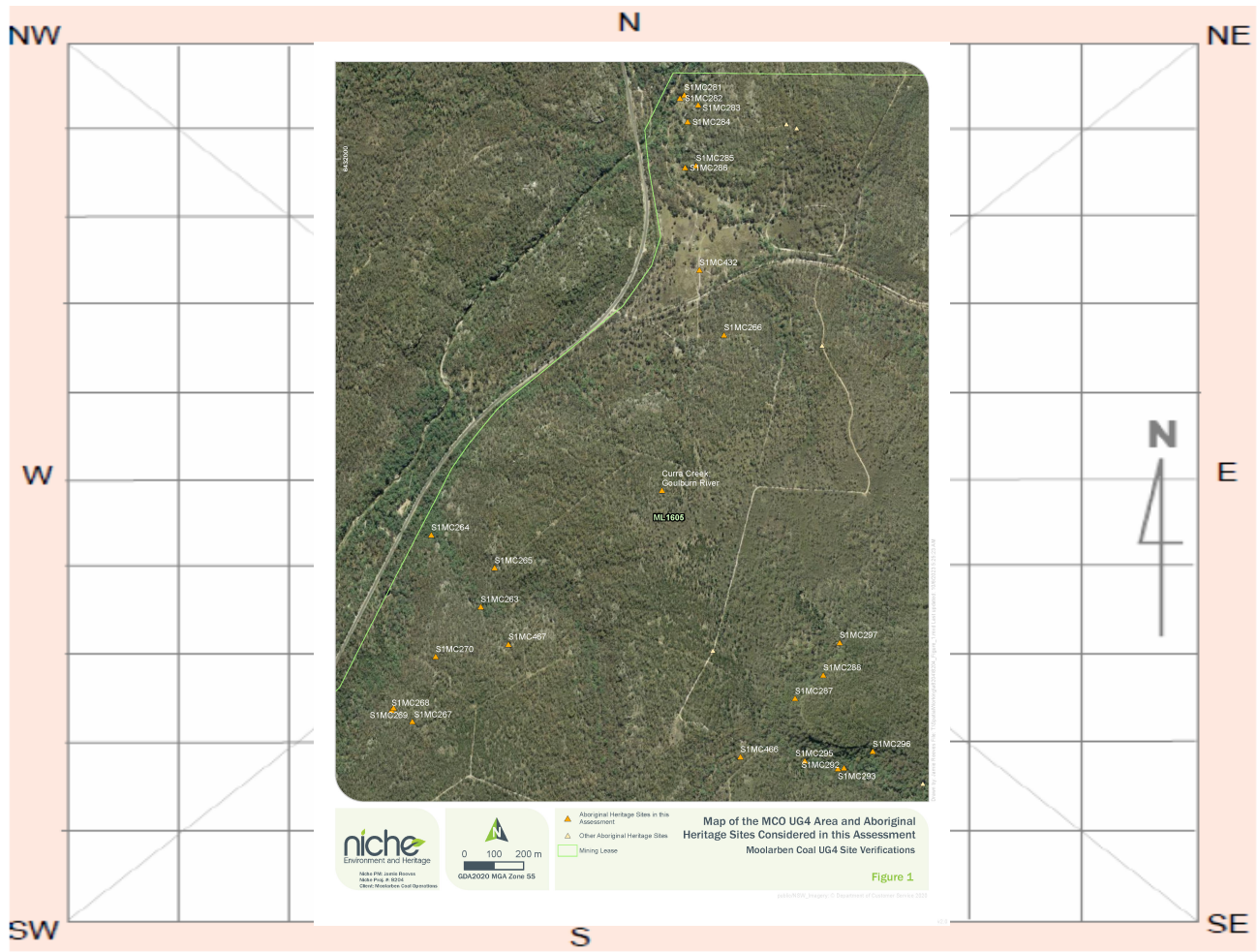
Distance to Water (m): Primary Report:

How to get to the site:

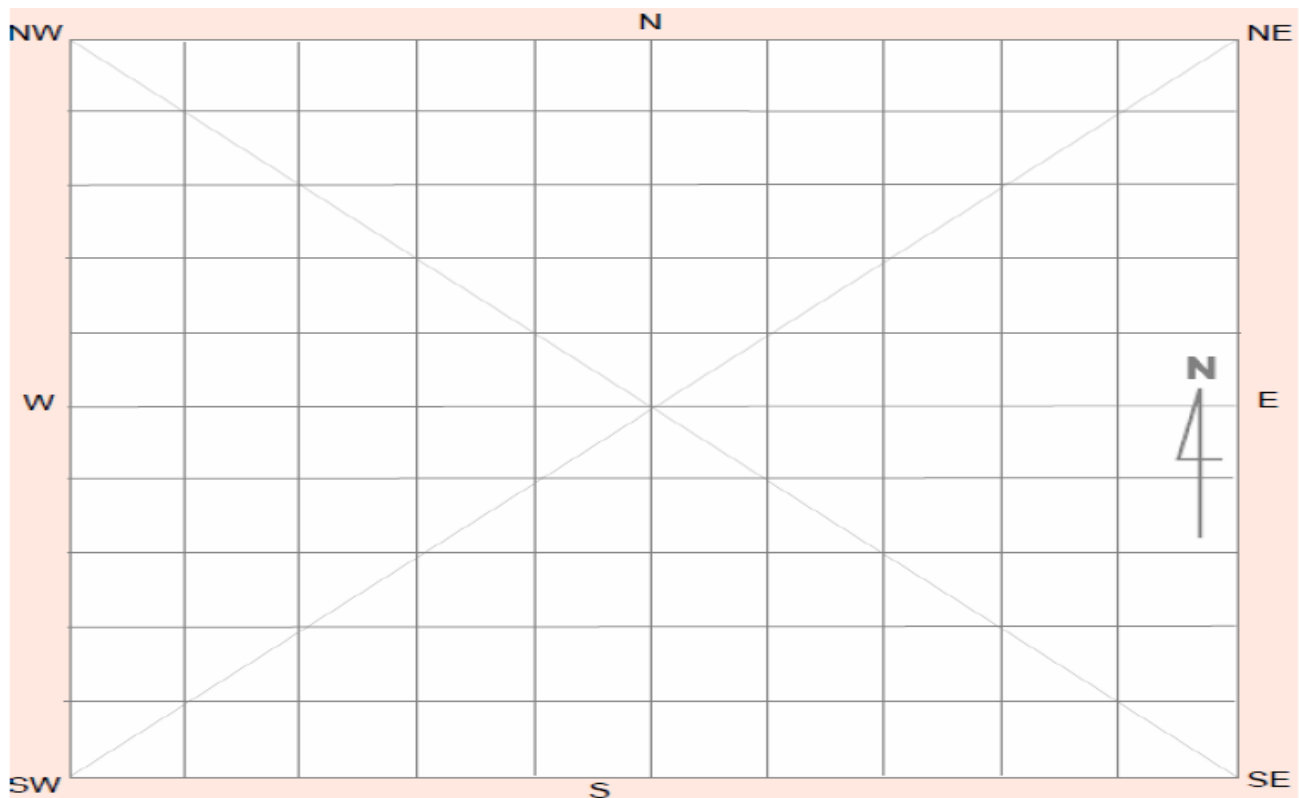
Other site information:

This site is a rock shelter containing nine red ochre hand stencils on the roof of the shelter as well as nine artefacts and PAD within the shelter. The site is in fair condition and is of moderate archaeological significance.

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

9 red ochre hand stencils on the internal roof of the shelter. The fallen block beneath the art panel has modern engraved graffiti, however the pigment hand stencils are free from any graffiti.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Rock shelter containing nine artefacts within the shelter, with rock art on wall. Site is in fair condition and is of moderate archaeological significance.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Shelter contains 9 artefacts and has a dirt floor with potential for containing an archaeological deposit.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Feature condition:

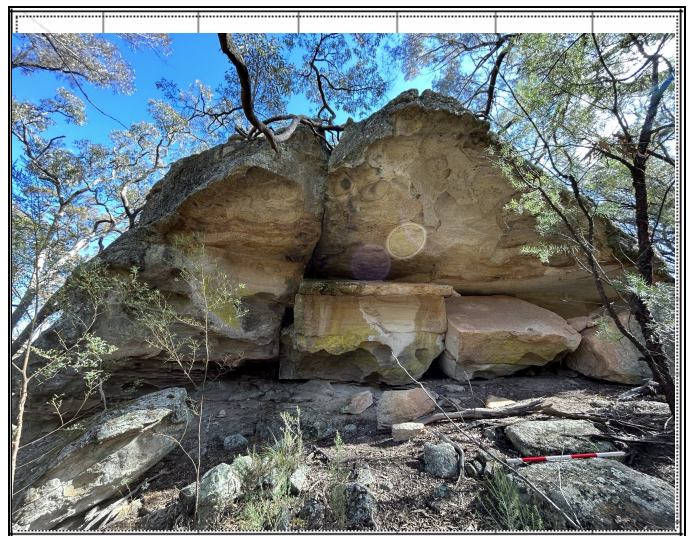
Description:

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:



Description:



Description: Detail of S1MC284 showing art panel and fallen block with engraved graffiti. August 2023.



Description: Close up shot of red ochre hand stencils. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title	Surname	First name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation:	<input type="text"/>	
Address:	<input type="text"/>	
Phone:	<input type="text"/>	E-mail: <input type="text"/>

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

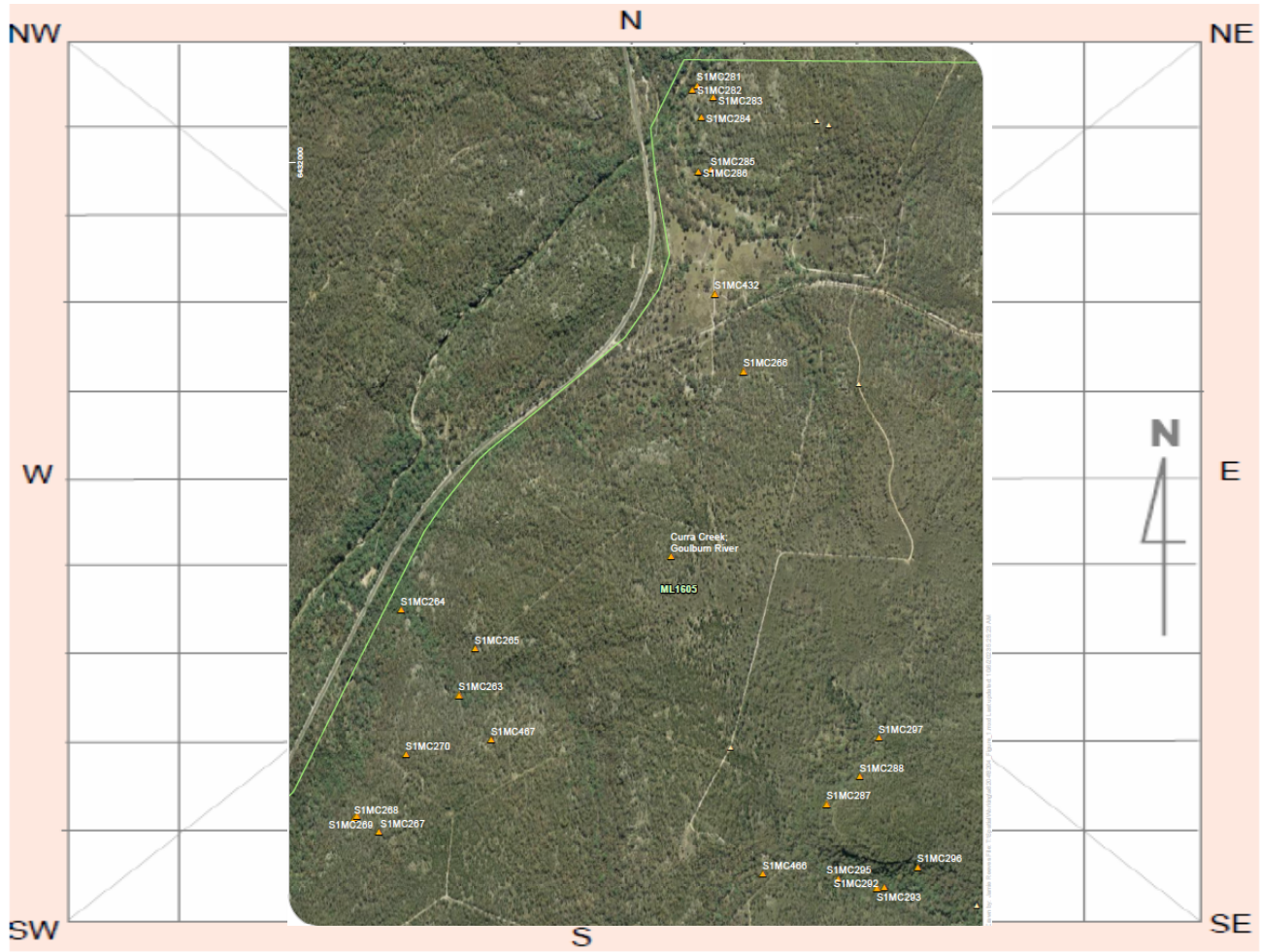
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

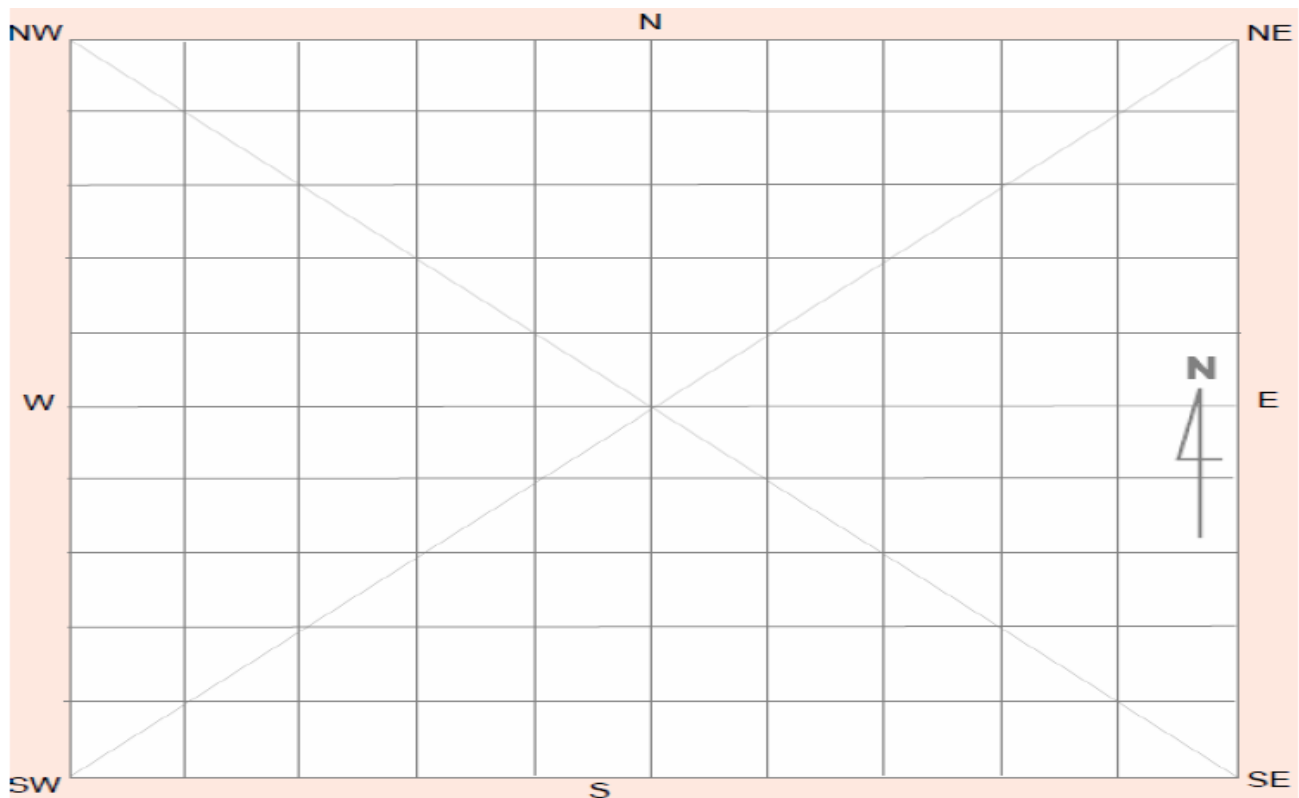
How to get to the site:

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

9 red ochre hand stencils on the internal roof of the shelter. The fallen block beneath the art panel has modern engraved graffiti, however the pigment art stencils are free from any graffiti.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Rock shelter containing nine artefacts within the shelter, with rock art on wall. Site is in fair condition and is of high archaeological significance.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Shelter contains 9 artefacts and has a dirt floor, with art on the wall. The high significance of the site indicates potential for archaeological deposit.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

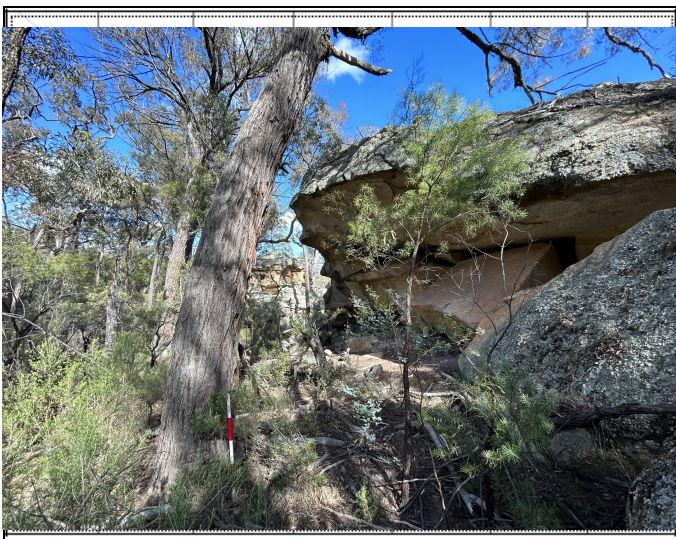
5.

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:



Description:



Description: Detail of S1MC284 showing art panel and fallen block with engraved graffiti. August 2023.



Description: Close up shot of red ochre hand stencils. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title	Surname	First name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation:	<input type="text"/>	
Address:	<input type="text"/>	
Phone:	<input type="text"/>	E-mail: <input type="text"/>

Site interpretation and community statement

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 100-500m
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

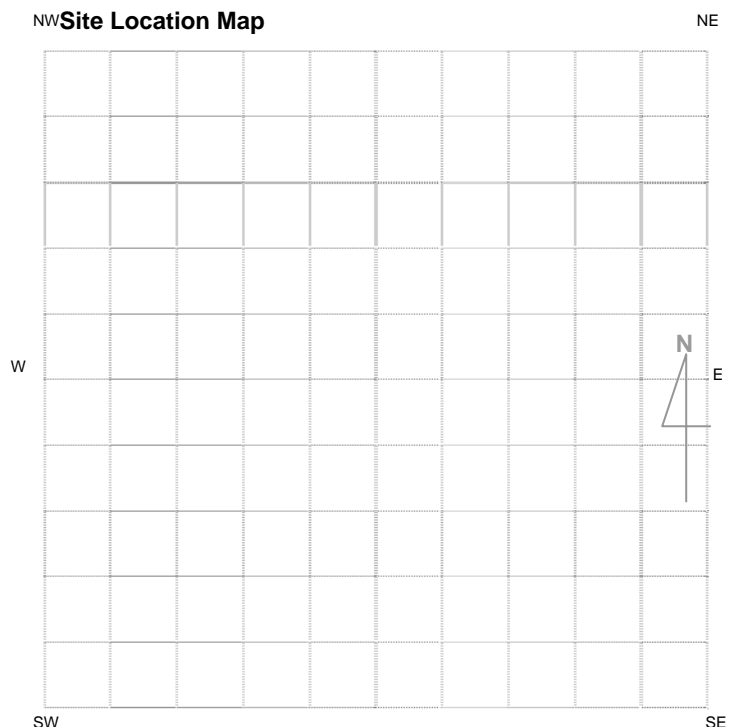
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

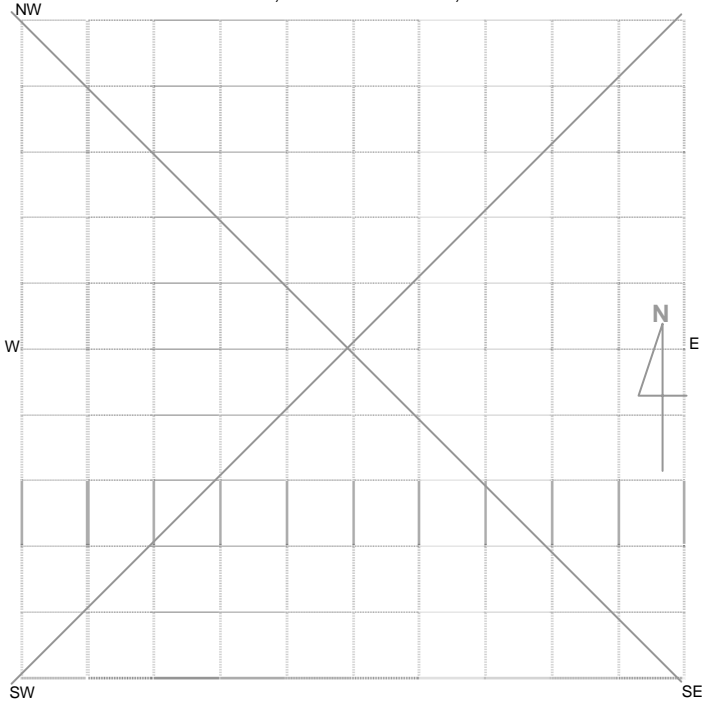
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input checked="" type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input checked="" type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input checked="" type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input checked="" type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Shelter Aspect</p> <input checked="" type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 20m Internal length
- 5m Internal width
- 4m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Rock shelter containing nine artefacts within the shelter, with rock art on wall. Site is in fair condition and is of high archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

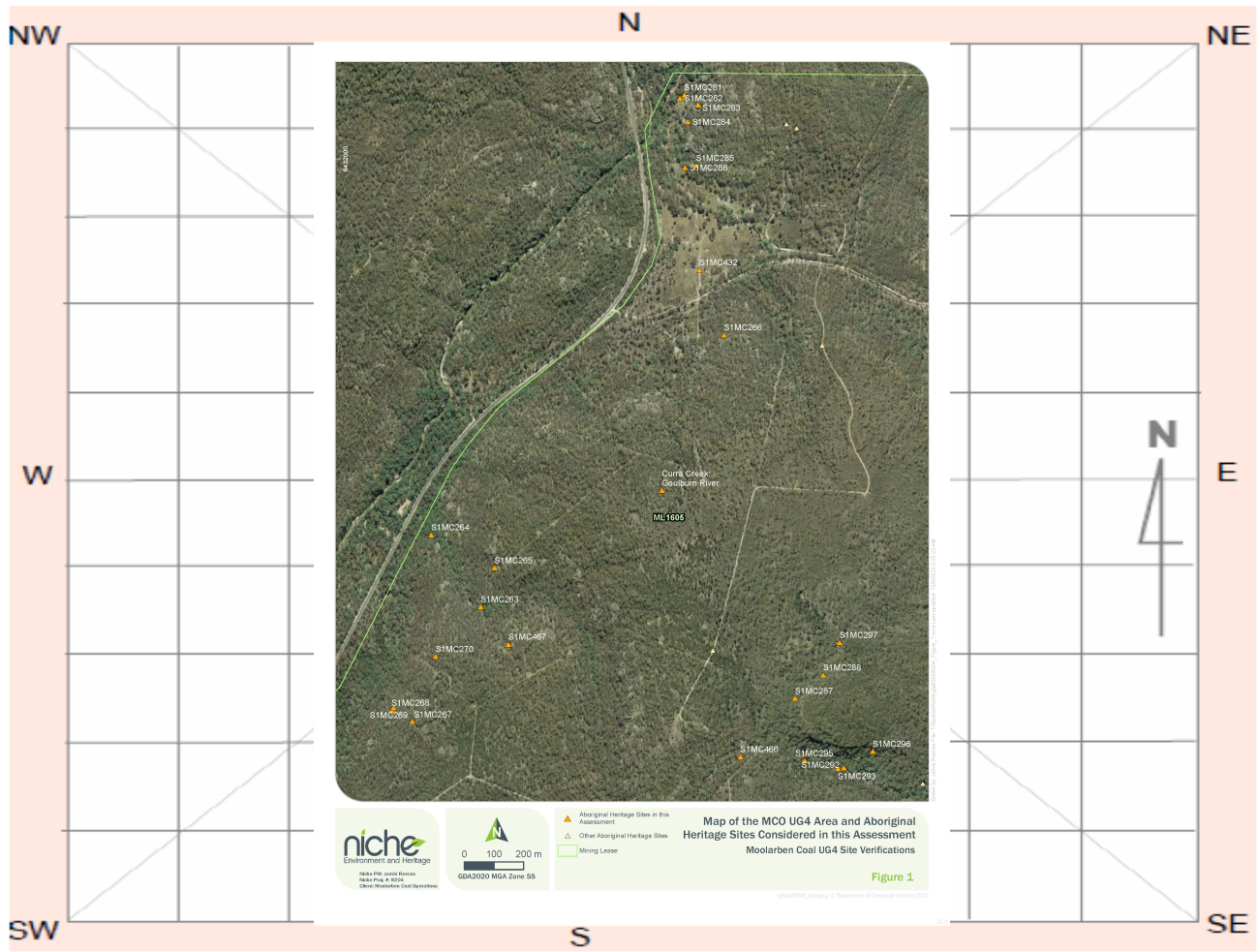
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

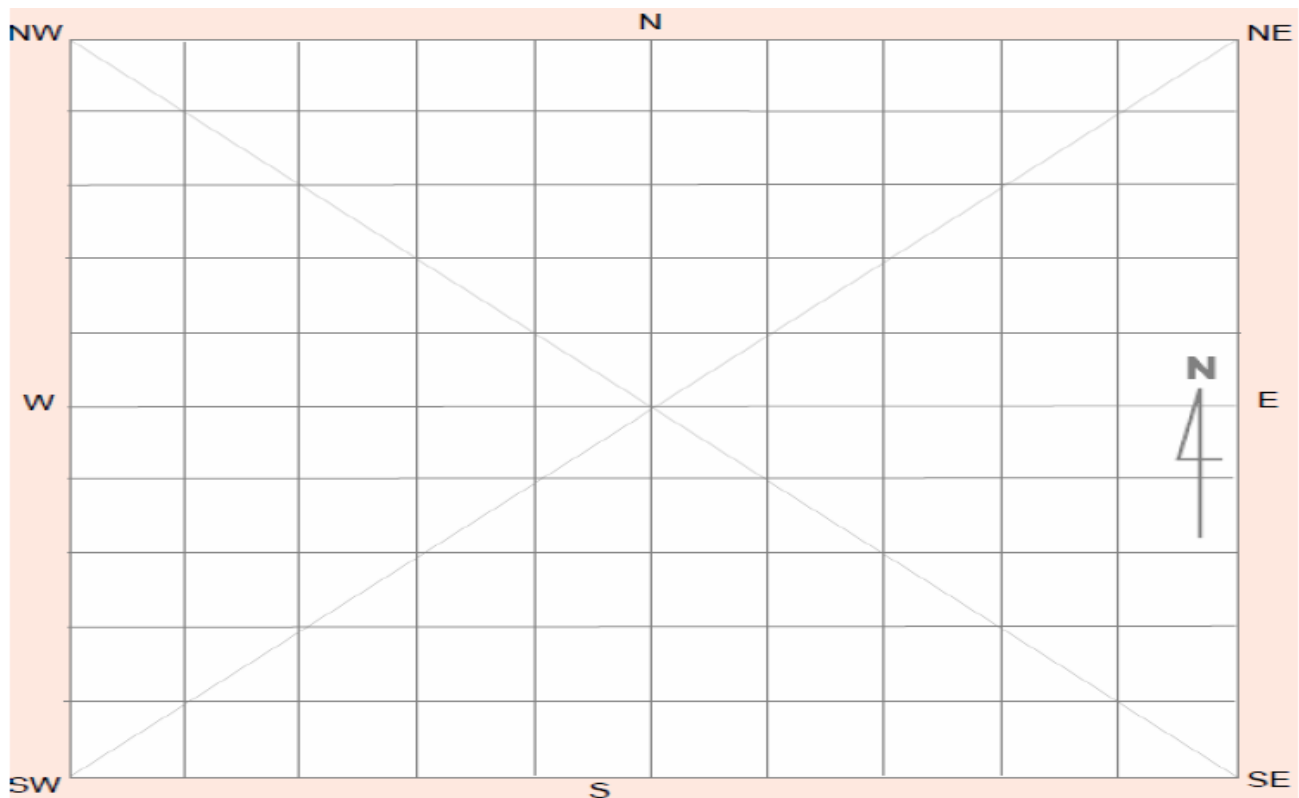
How to get to the site:

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)

1. 8

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

During the 2006 survey, three artefacts were identified at the site. In 2021, Niche undertook a survey and identified a pink quartzite core along the dripline of the shelter, along with a broken quartz flake.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2. 8 | |

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

The PAD is situated across the shelter floor. The shelter floor consists of a sandstone floor with a sandy overlay, approximately 30 cm deep, mixed with conglomerate pebbles.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3. | |

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Feature condition:

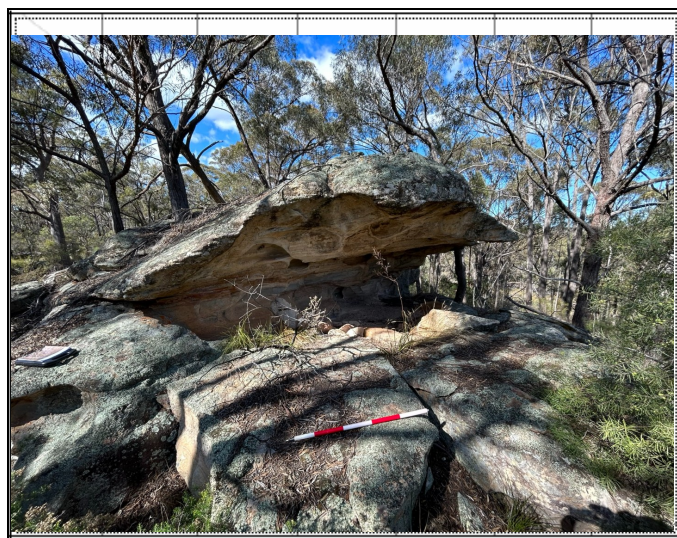
Description:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

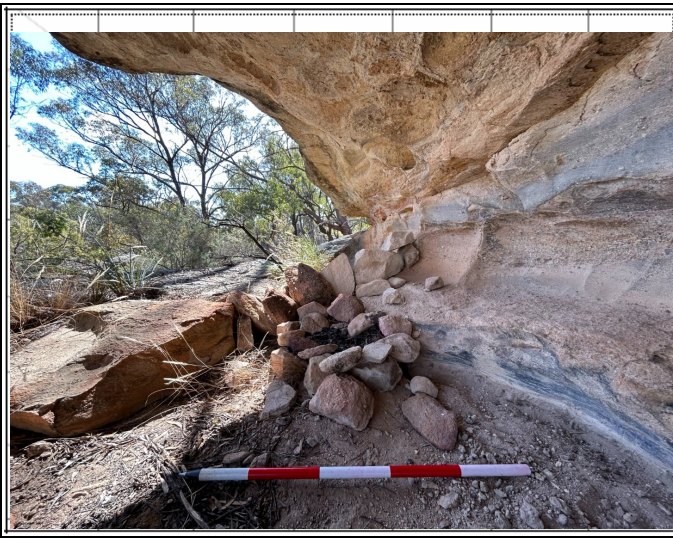
Site photographs



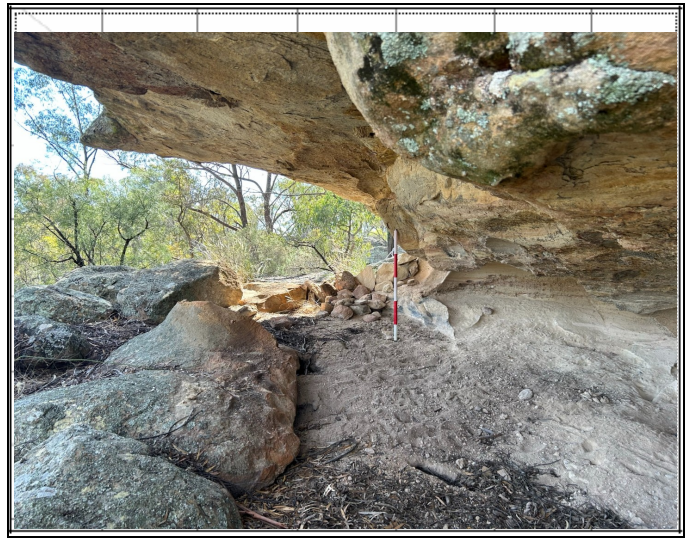
Description:



Description:



Description: Shelter interior



Description: Shelter interior

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

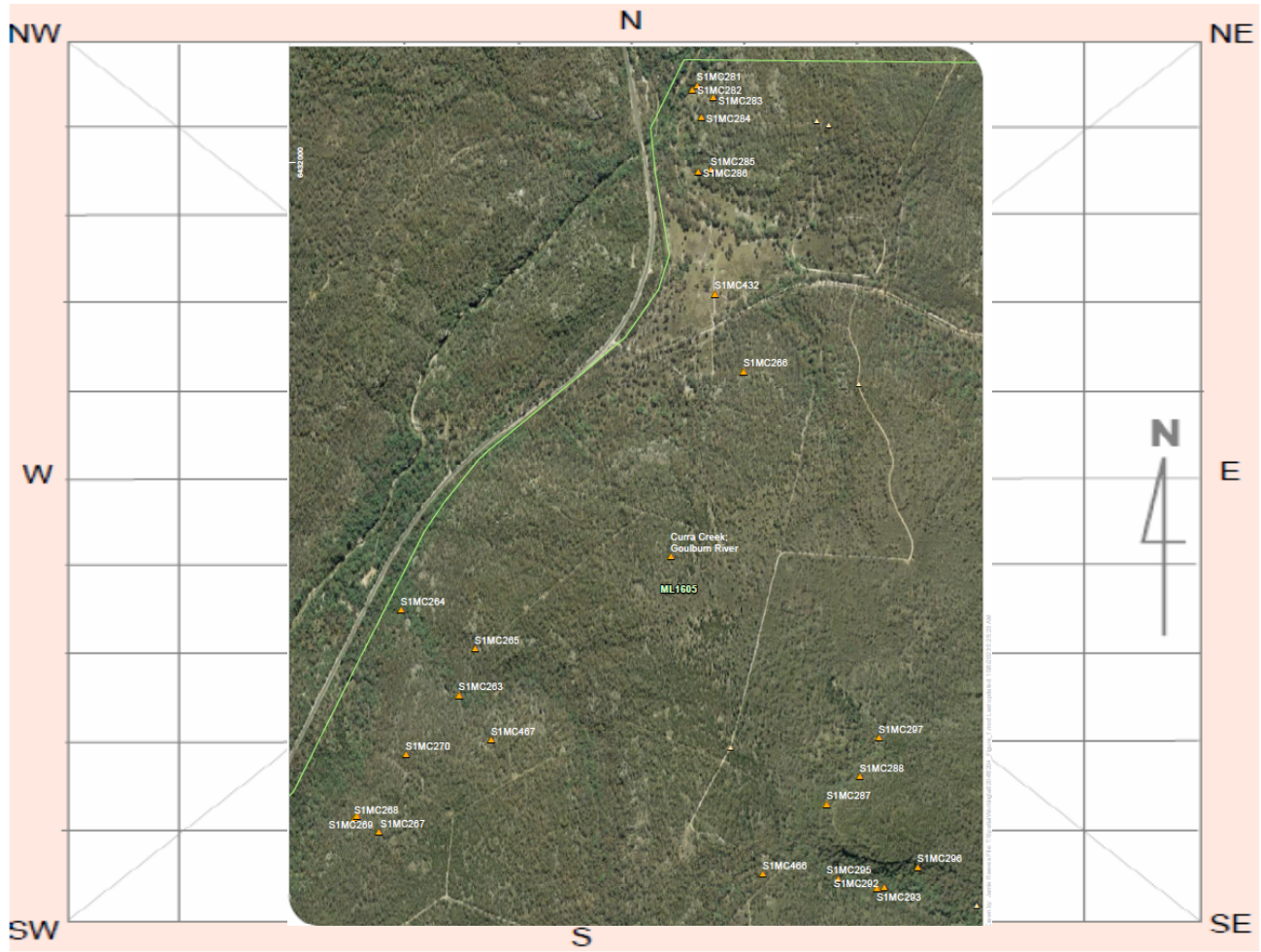
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

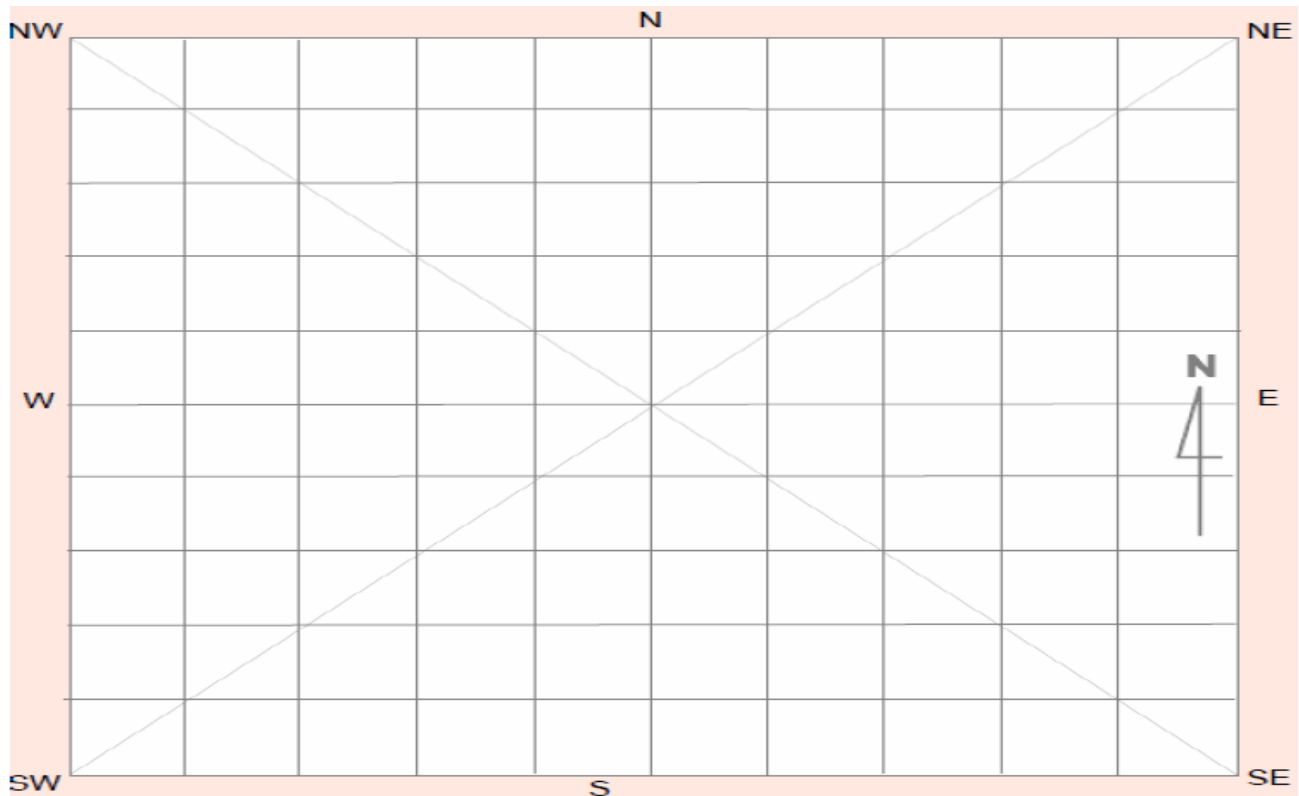
How to get to the site:

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)

1. 8

Feature condition:

Description:

2 artefacts found within a rock shelter

Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar shape Tree Species

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

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"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Feature condition:

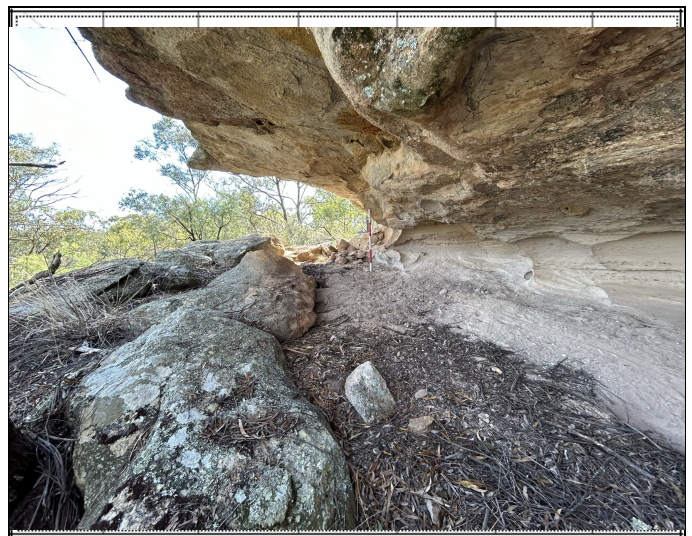
Description:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

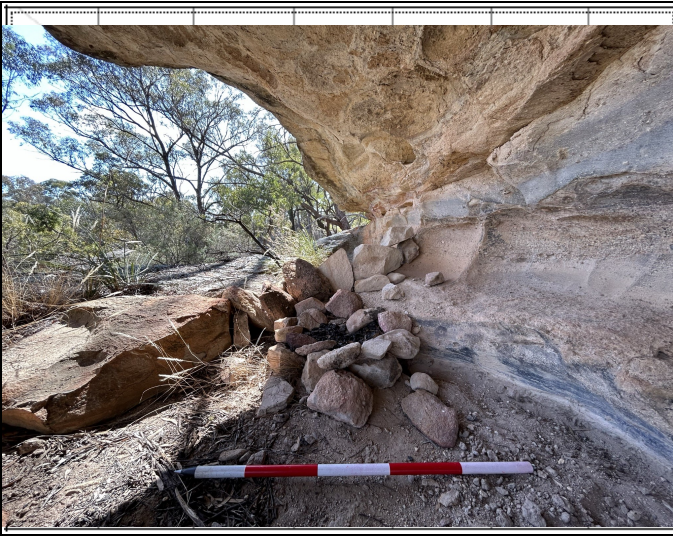
Site photographs



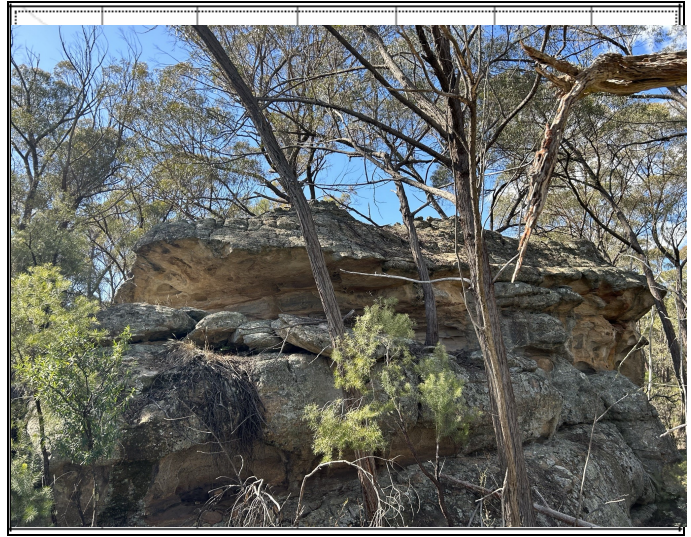
Description: View south-east of the S1MC285 shelter. August 2023.



Description: Internal view of S1MC285 facing north-west. August 2023.



Description: Internal view of S1MC285 facing north-west. August 2023.



Description: View north-east of the S1MC285 shelter. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1099

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC285

Easting: 762905 Northing: 6431976 AMG GDA

Mapsheets: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 100-500m
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

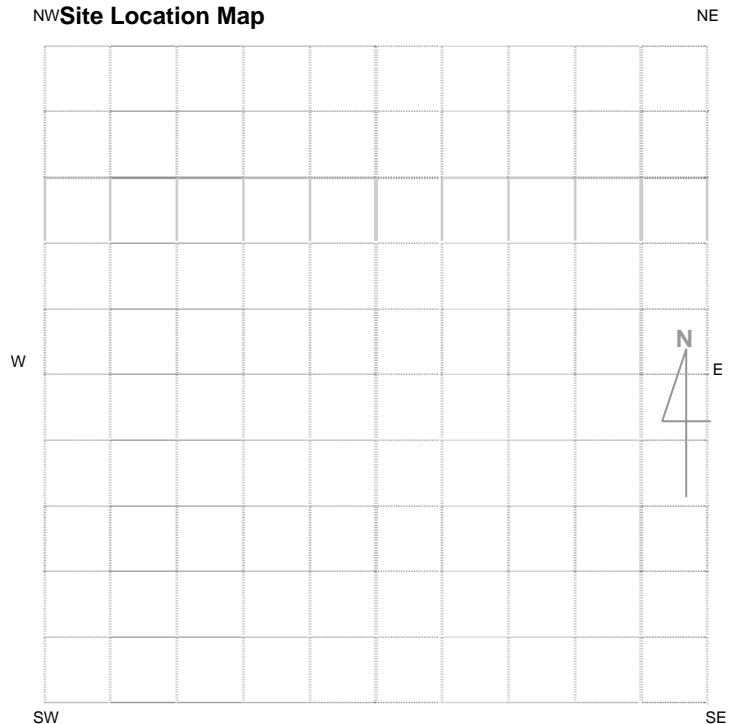
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

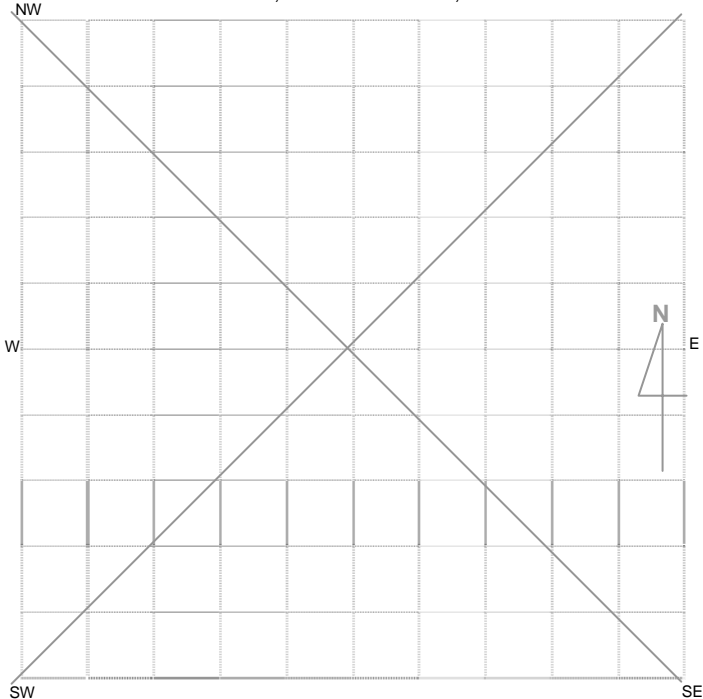
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input checked="" type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input checked="" type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input checked="" type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input checked="" type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 14.8m Internal length
- 4.4m Internal width
- 5m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Rock Shelter with principally hand stencil rock art and some European graffiti and one recognizable lizard motif. Site is in poor condition and assessed to be of high archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

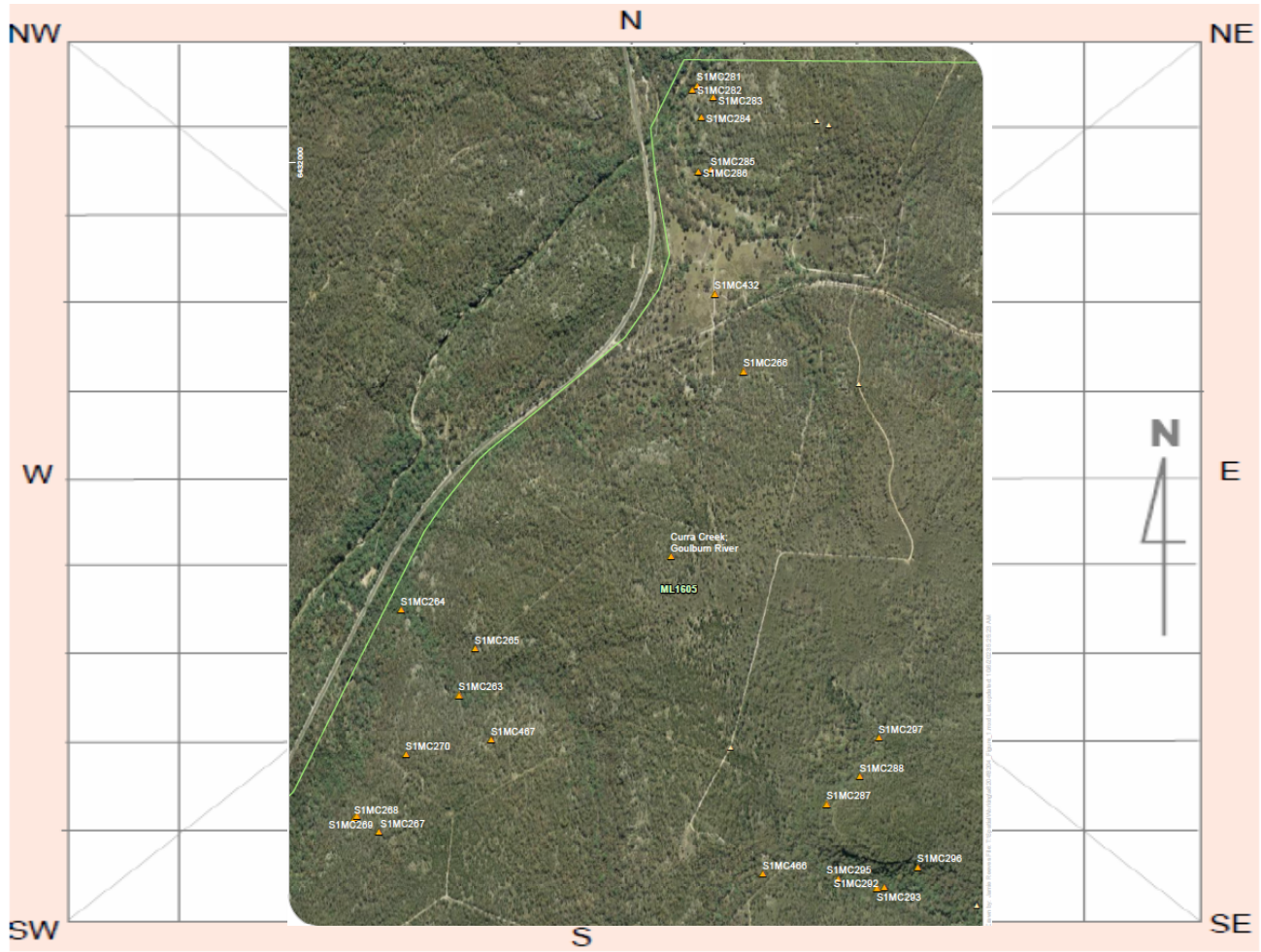
Distance to Water (m): Primary Report:

How to get to the site:

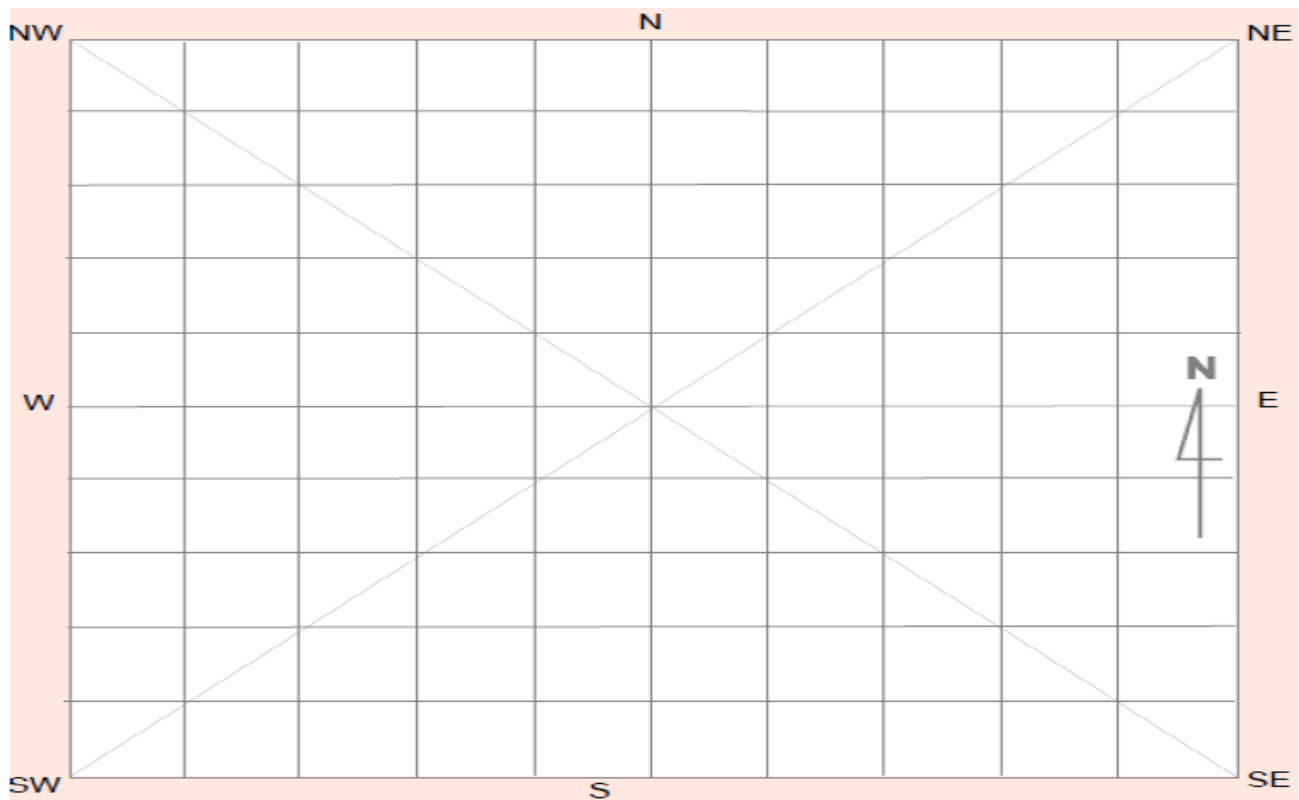
Other site information:

The site is a rock shelter with 28 artefacts located in front and downslope. The site is in fair condition and is assessed as high archaeological significance.

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)

1.

Feature condition:

Description:

28 artefacts were recorded by Giles Hamm in 2007 in front and downslope from the shelter.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2. | |

Feature condition:

Description:

The shelter has dimensions 8.7m internal length, 3m width and 2.3m height. The shelter has a dirt floor and a large number of artefacts present, suggesting the potential for subsurface archaeological deposit.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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



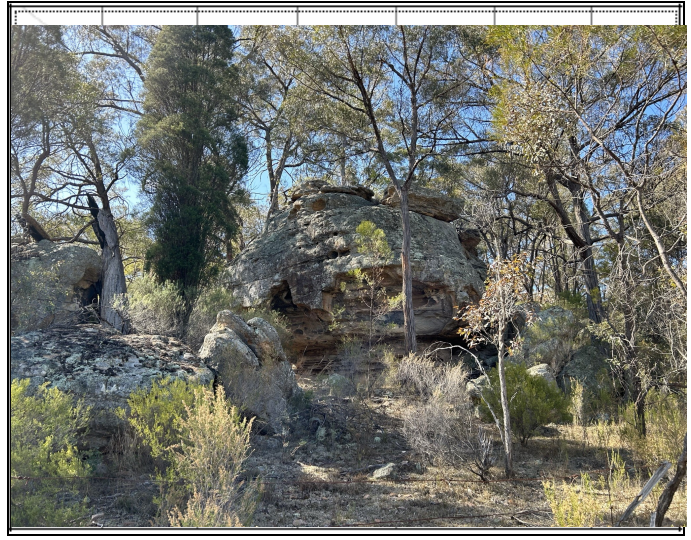
Description: View looking north-east at S1MC286. August 2023.



Description: View looking north-east at S1MC286. August 2023.



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1100

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC286

Easting: 762868 Northing: 6431969 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 100-500m
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

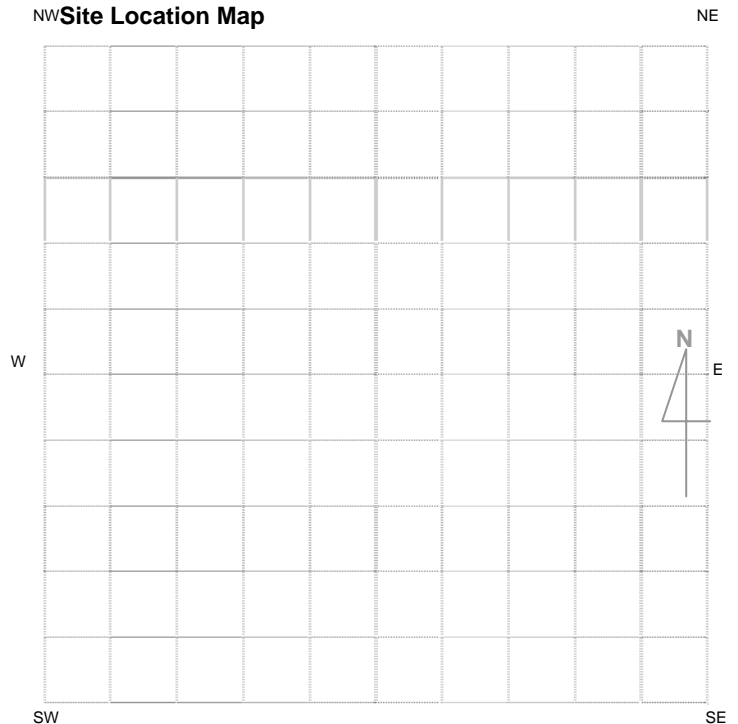
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

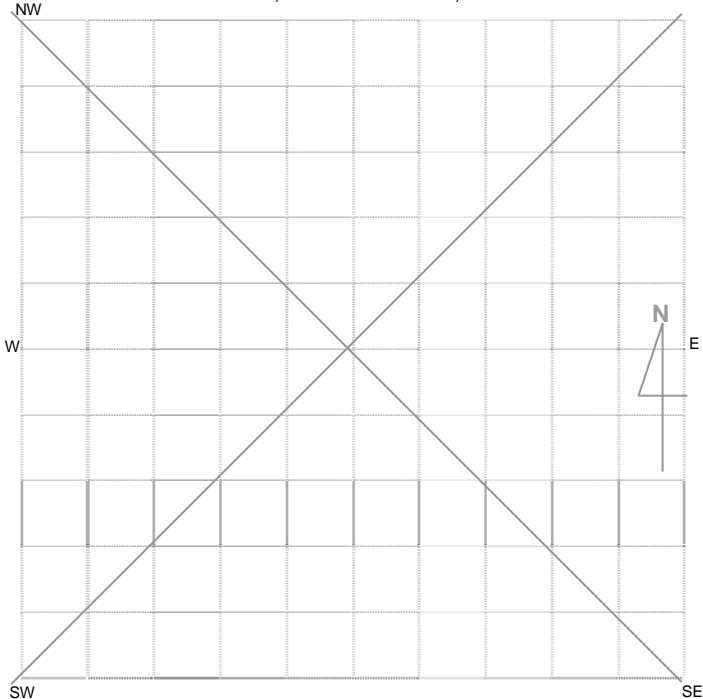
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input checked="" type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input checked="" type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input checked="" type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 8.7m Internal length
- 3m Internal width
- 2.30m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Rock Shelter site with 28 artefacts located in front and downslope. Site is in fair condition and is assessed as high archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

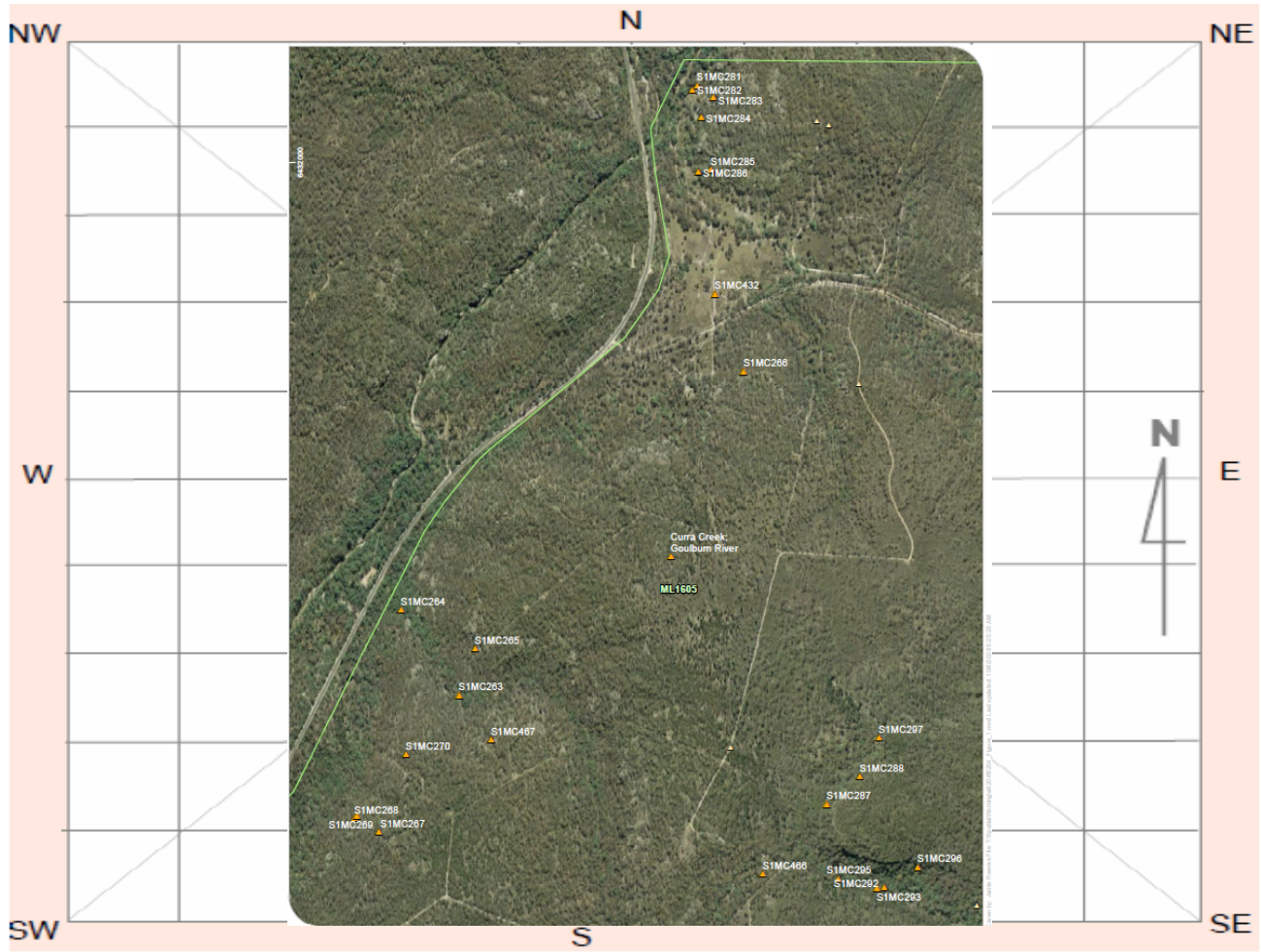
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

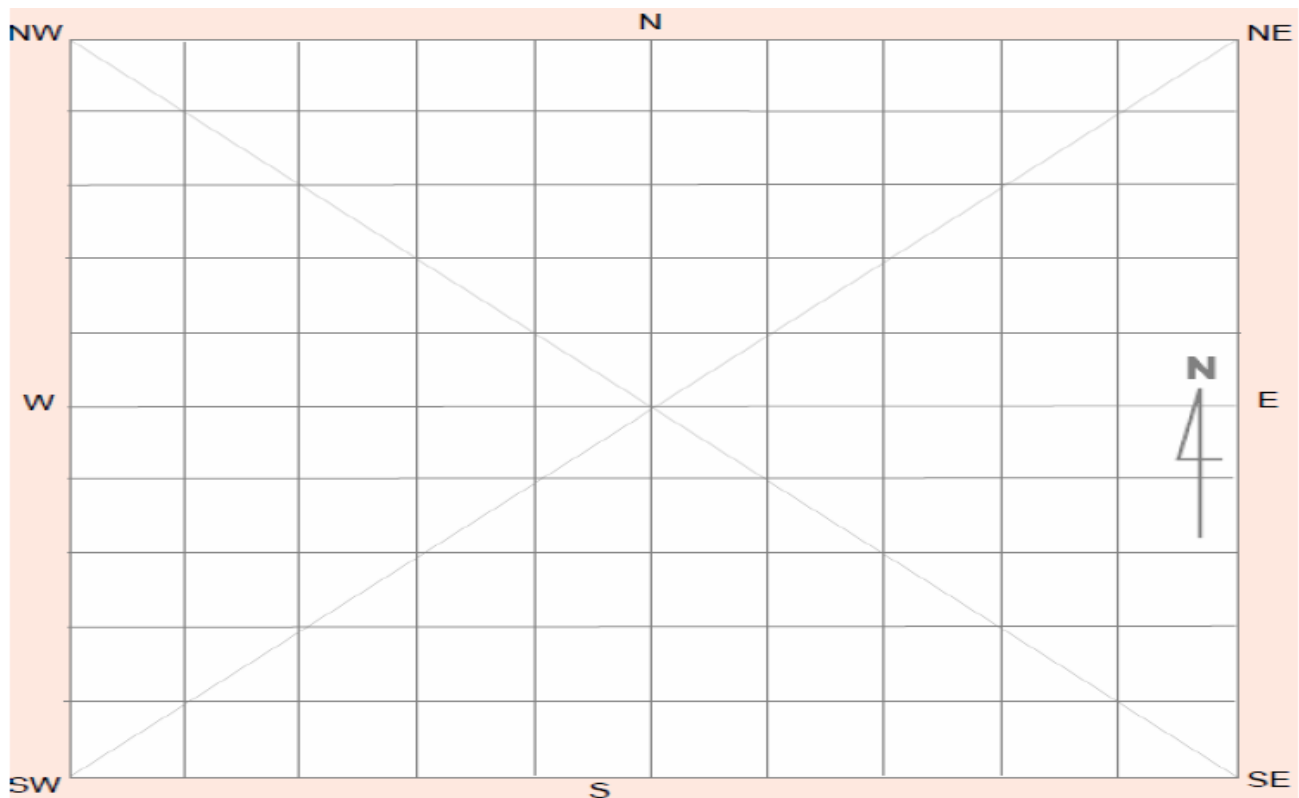
How to get to the site:

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)

1.

Feature condition:

Description:

28 artefacts lying out the front of a rockshelter

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Description:

Sandy deposit in the southern end of the shelter where the artefacts are located

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.

Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

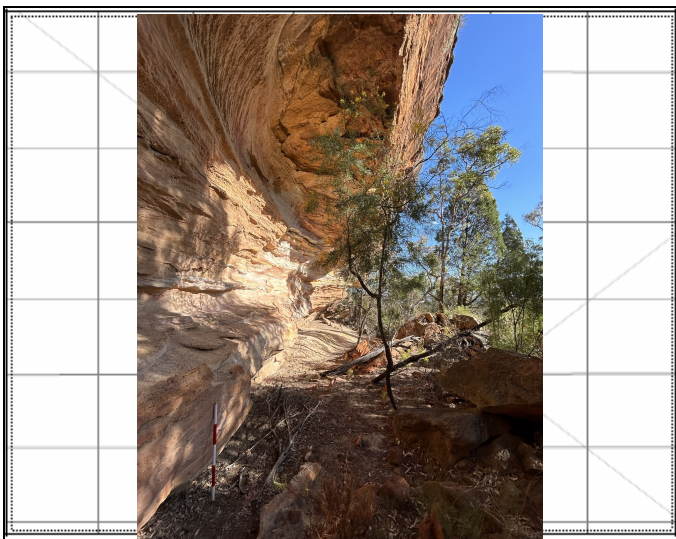
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.

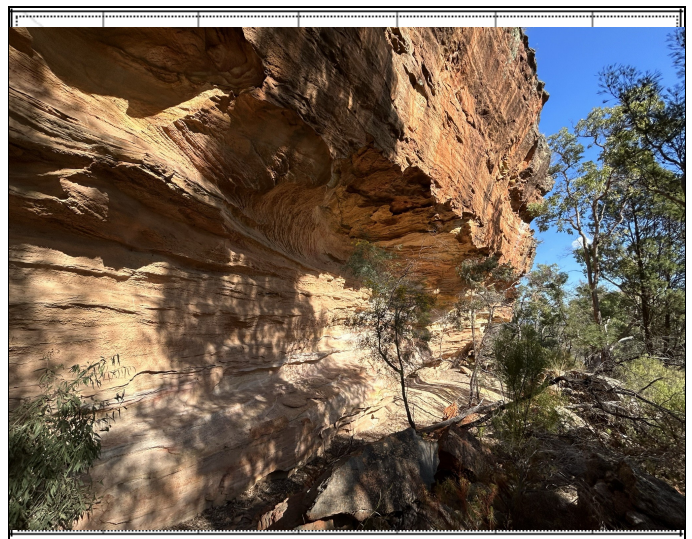
Feature condition:

Description:

Site photographs



Description:



Description:



Description:

View looking south across the S1MC287 shelter towards the deposit. August 2023.



Description:

Detail of deposit at S1MC287. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1101

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC287

Easting: 763240 Northing: 6430143 AMG GDA

Mapsheets: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: 100-500m
 Name of nearest permanent water source:
 Name of nearest temporary water: Bora Creek

Directions for Relocation

Soil Type

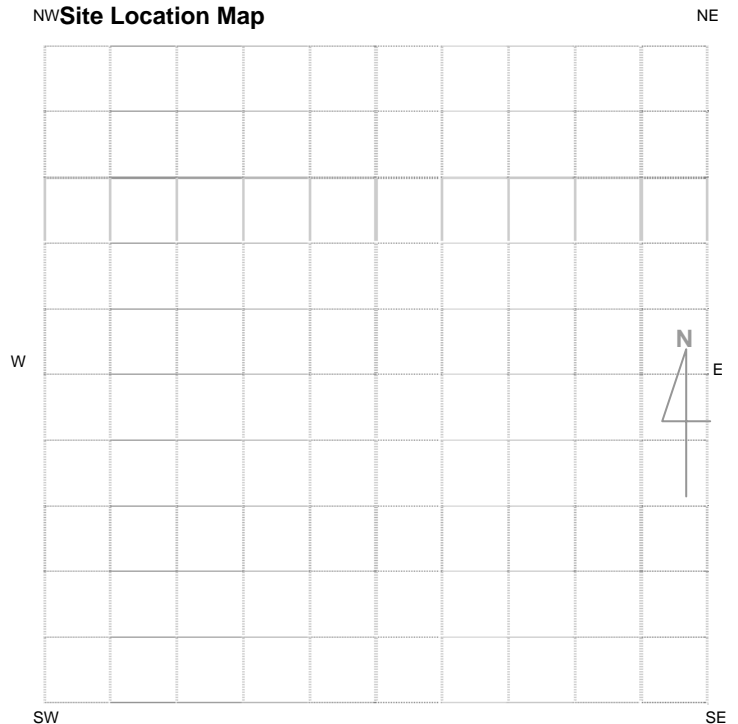
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

Site Location Map



Please See Attached Map

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter and rockshelter site containing 28 artefacts lying out the front of a rockshelter. Medium archaeological significance. Poor condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

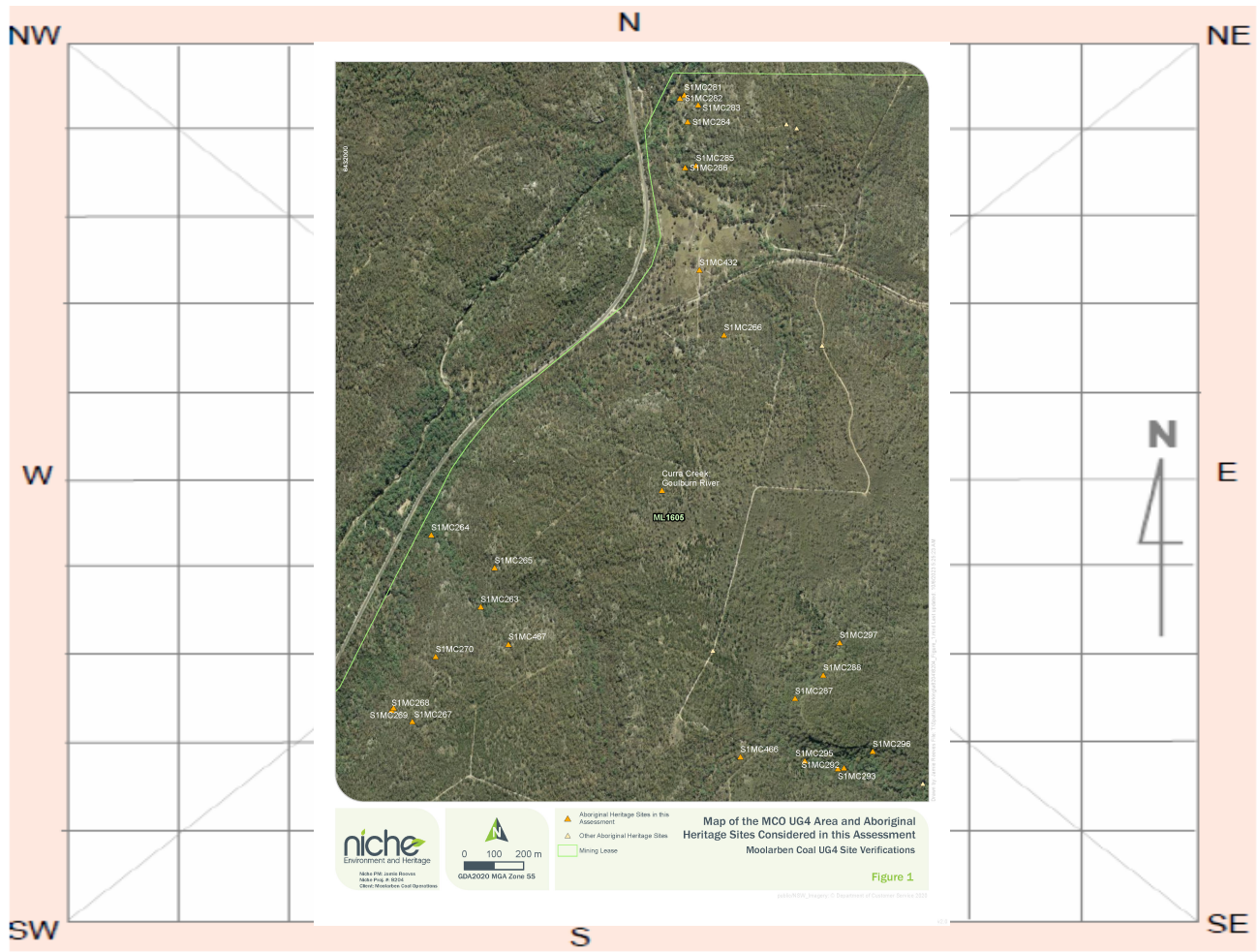
Distance to Water (m): Primary Report:

How to get to the site:

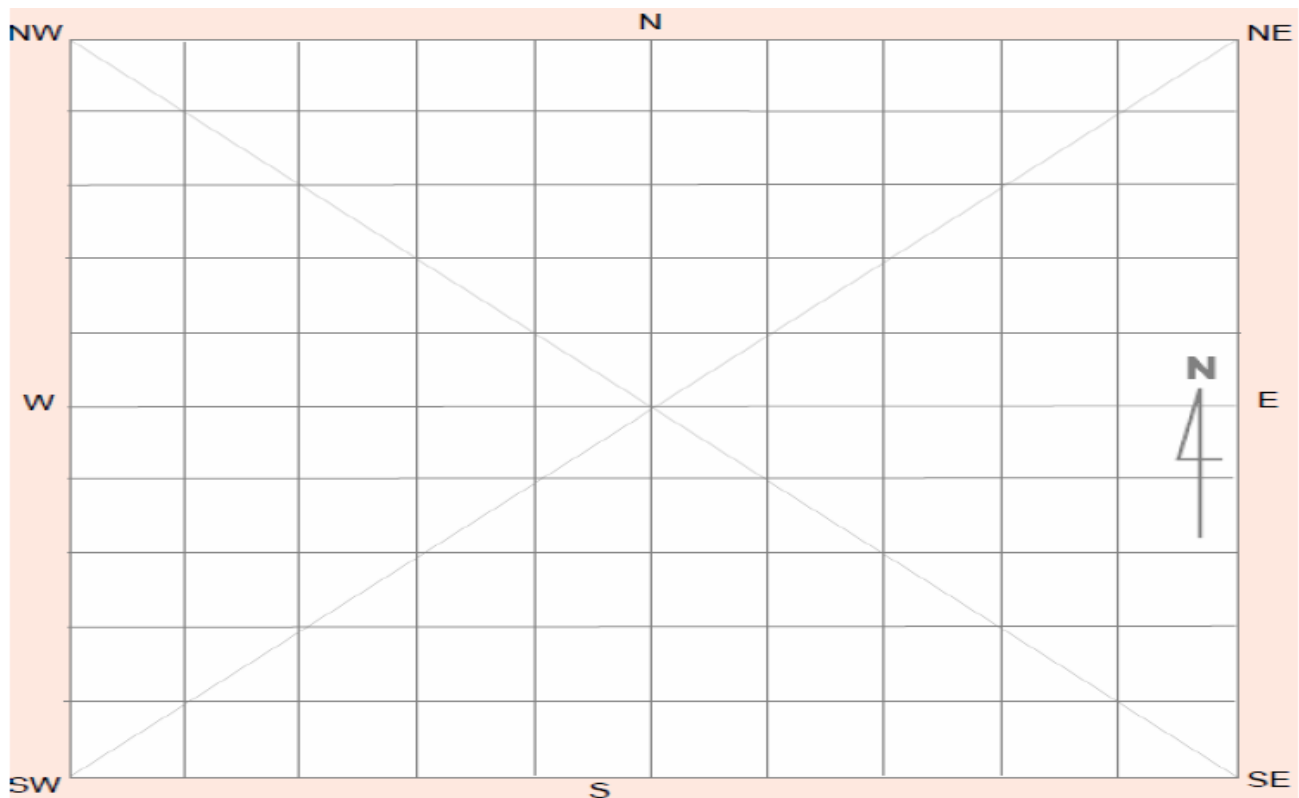
Other site information:

Medium sized rockshelter facing northwest with 2 stone artefacts and PAD. Dimensions: 5m H x 39.8m W x 5.7m D. The site was identified as in fair condition, located in a moderate mid-slope landform. The shelter floor was identified to have no discolouration of soil sediments however oxidation was evident on the shelter wall. Strata Engineering highlighted it may be a sign of possible ochre deposit

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)

1. 8

Feature condition:

Description:

A retouched tuff flake has been identified in front of the shelter adjacent to a tree in 2007. A second artefact was identified by Niche during a survey in August 2023.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Description:

A sandy PAD is present across the shelter floor.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

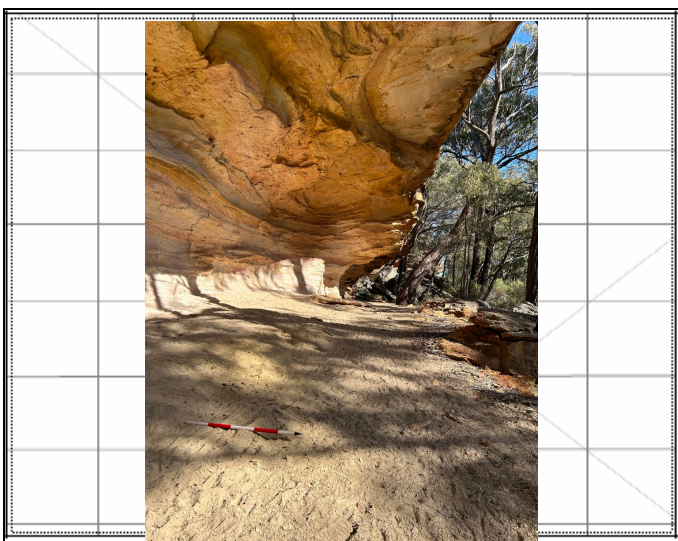
5.

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"/>

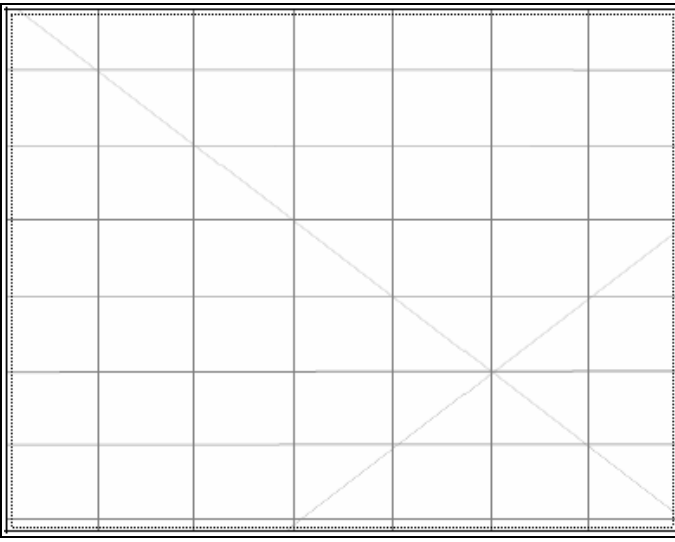
Site photographs



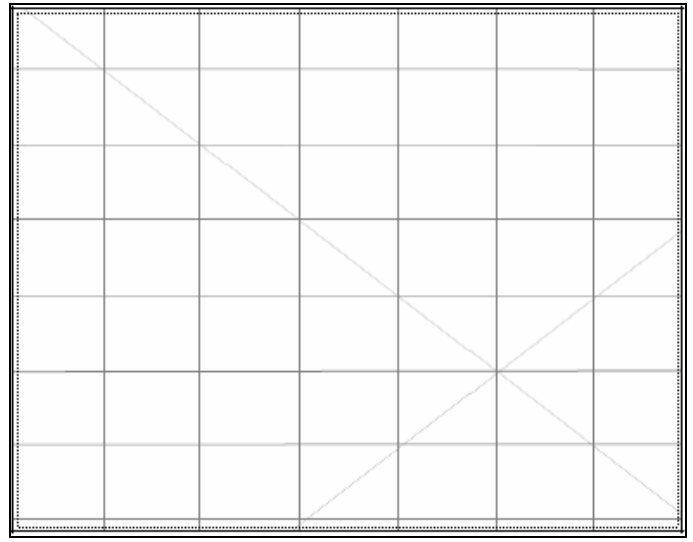
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

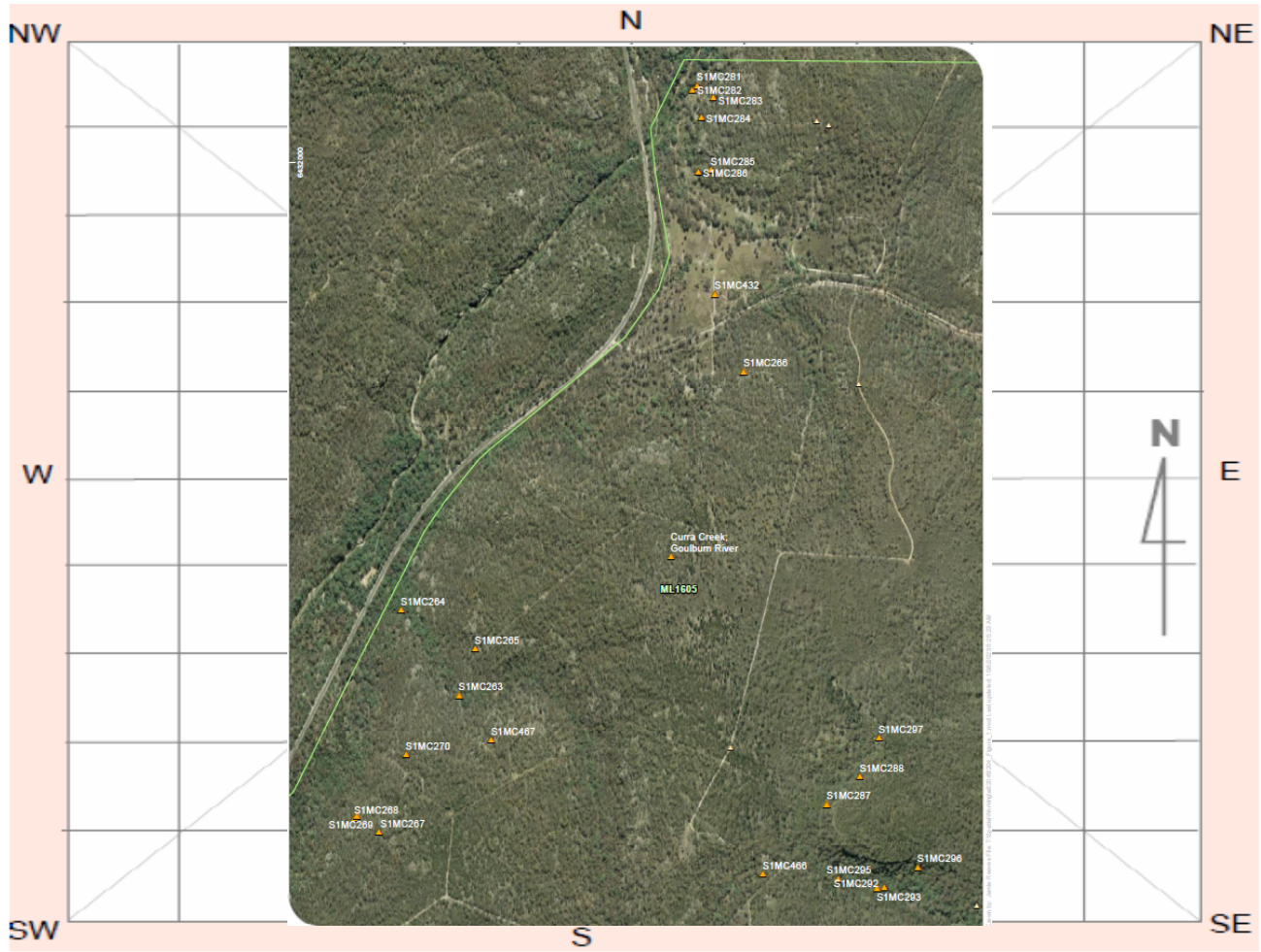
Distance to Water (m): Primary Report:

How to get to the site:

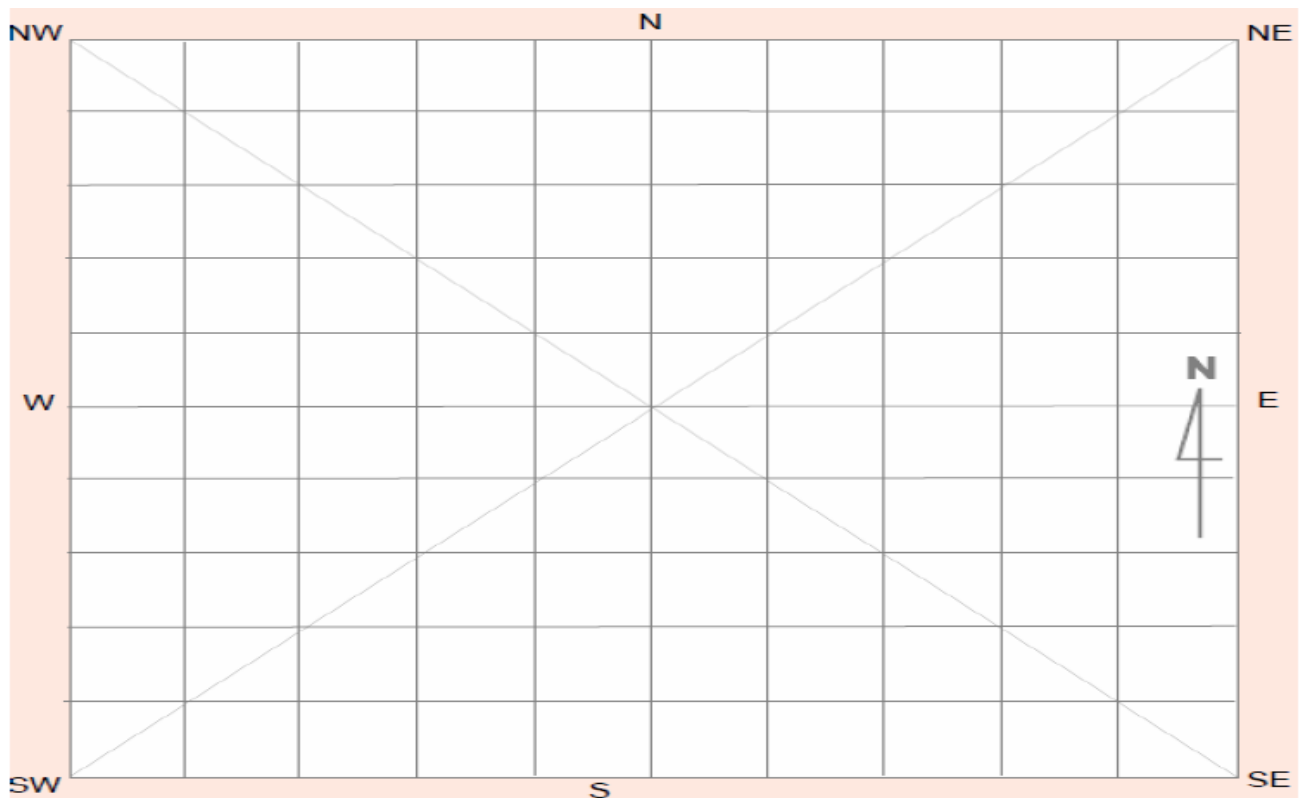
Other site information:

The rockshelter is 26m in length, 5.7m in width and 5m in height. In 2007 a single isolated complete tuff flake with retouch was located in front of the shelter near a tree, and the site was assessed at being in fair condition with medium archaeological significance and PAD. Reassessment in August 2023 relocated the artefact and found an additional artefact, but no PAD due to the small number.

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

An isolated complete tuff flake with retouch was found in front of the shelter near a tree in 2007. A second artefact was identified in August 2023.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

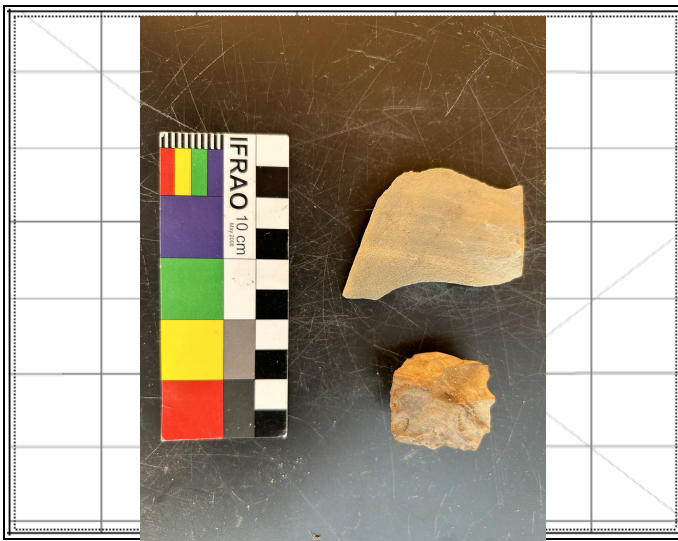
Site photographs



Description: Interior view of shelter and deposit at SIMC288, looking south. August 2023.



Description: Interior view of shelter and deposit at SIMC288, looking south. August 2023.



Description: Artefacts at S1MC288 showing ventral surface of complete tuff flake. August 2023.



Description: Artefacts at S1MC288 showing dorsal surface of complete tuff flake. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1102

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC288

Easting: 763336 Northing: 6430223 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source:
 Distance to temporary water source: 100-500m
 Name of nearest permanent water source:
 Name of nearest temporary water: Bora Creek

Directions for Relocation

Soil Type

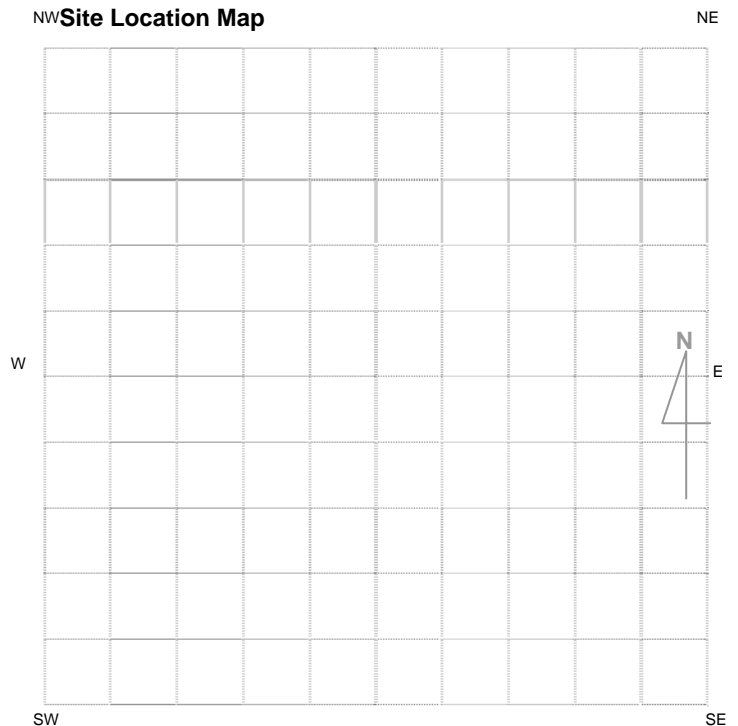
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

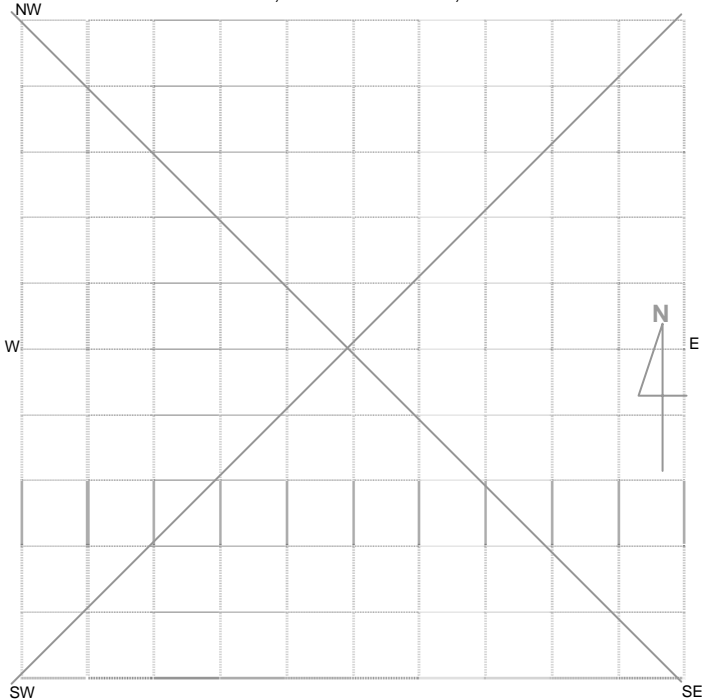
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input checked="" type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input checked="" type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input checked="" type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input checked="" type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

Internal length
 5.7m
 Internal width
 5m
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

Total length of visible site
 Average width of visible site
 Estimated area of visible site
 Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Isolated complete flake made of tuff, retouched found in front of the shelter near a tree. Medium archaeological significance. Fair condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500m-2km
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

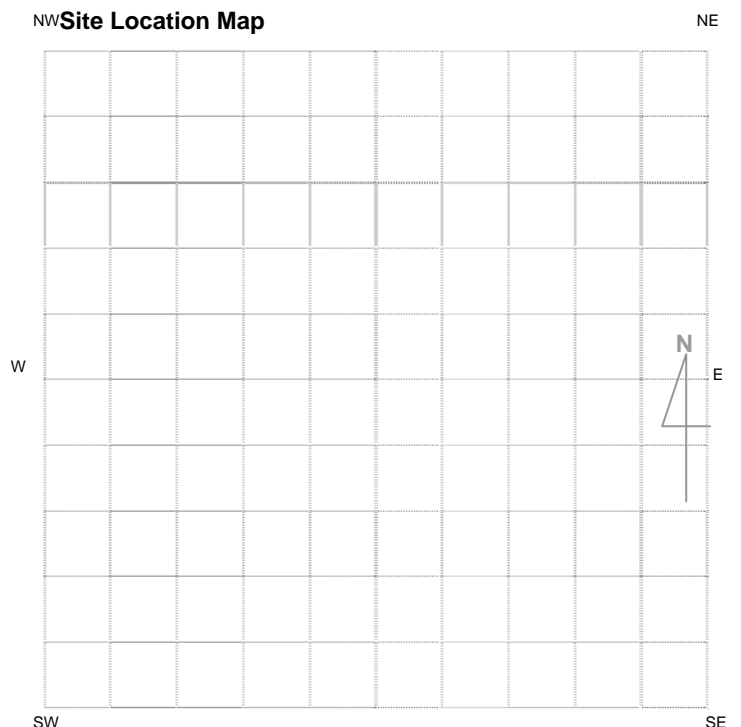
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

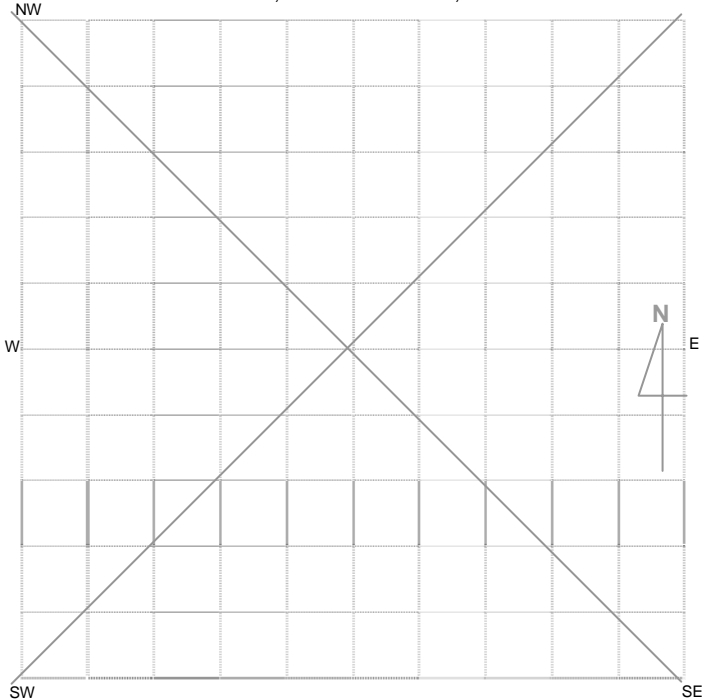
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact (Isolated Find) <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input checked="" type="checkbox"/> N/A		

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
- Estimated area of visible site
- Length of assessed site area

1m²

1m²

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Single quartz flake located on north side of vehicle track. Site is assessed to be of low archaeological significance, in poor condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

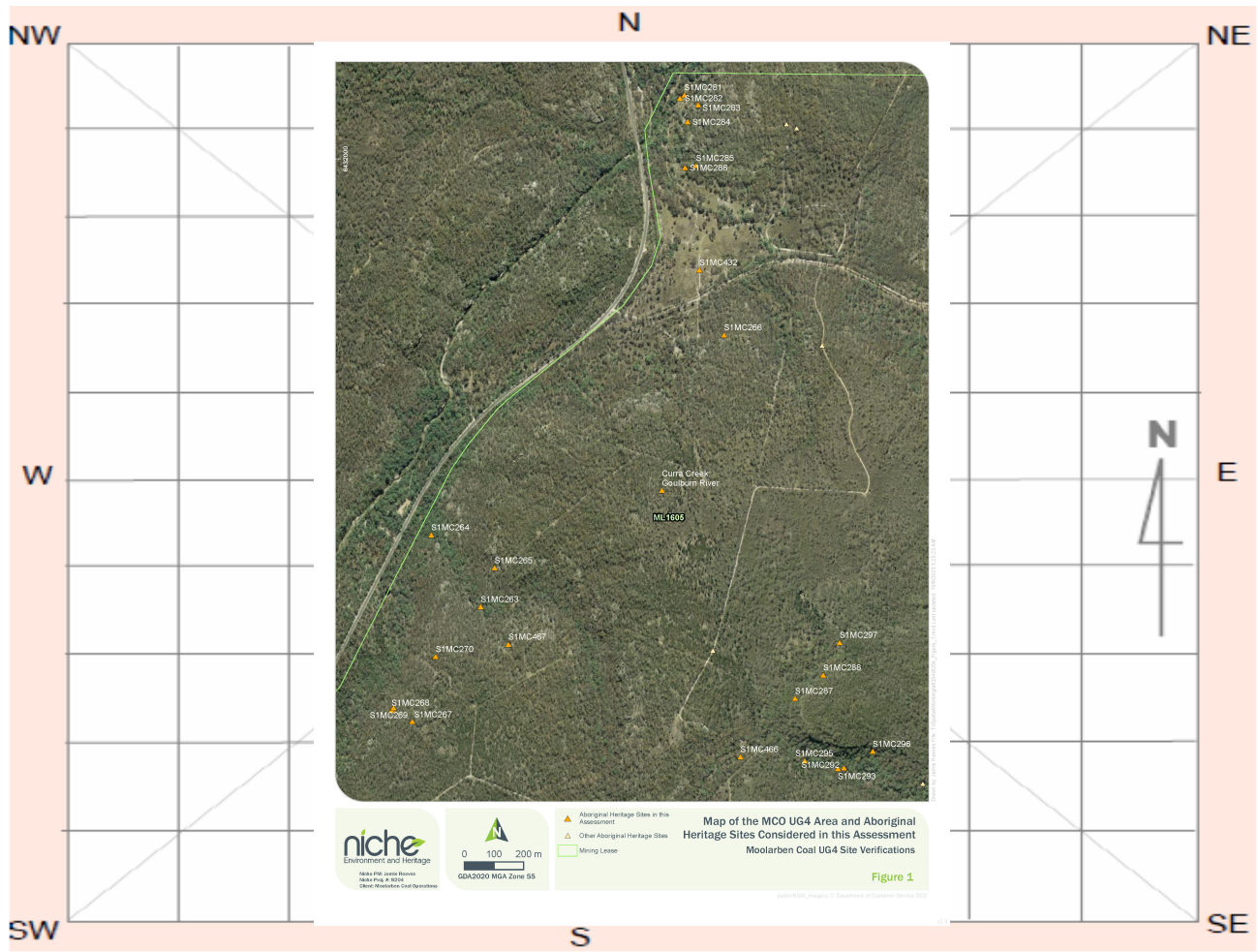
Distance to Water (m): Primary Report:

How to get to the site:

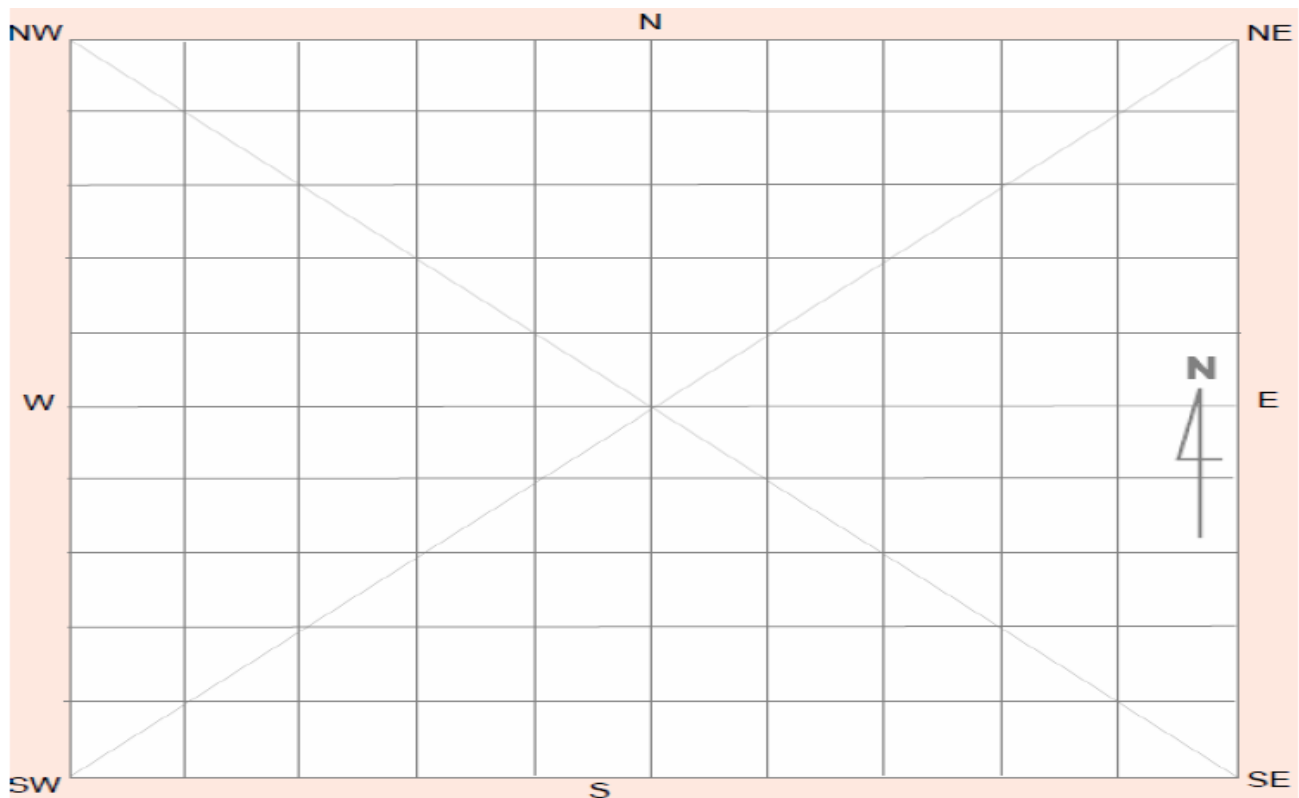
Other site information:

The site consists of a shelter which is 17m in length, 4.2m in width and 3m in height and an artefact scatter located in the front of the shelter expending 17m by 5m. The shelter has a fine, dark deposit across the shelter floor indicating the potential for subsurface archaeological deposit.

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)

1.

Feature condition:

Description:

Artefact scatter containing 13 artefacts located in front of the rock shelter.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2. | |

Feature condition:

Description:

There is a fine, dark deposit across the floor of the rock shelter, along with the presence of artefacts. A site inspection in August 2023 noted that the site has a high potential to contain a PAD. Niche (2024) have assessed the site to have low significance.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

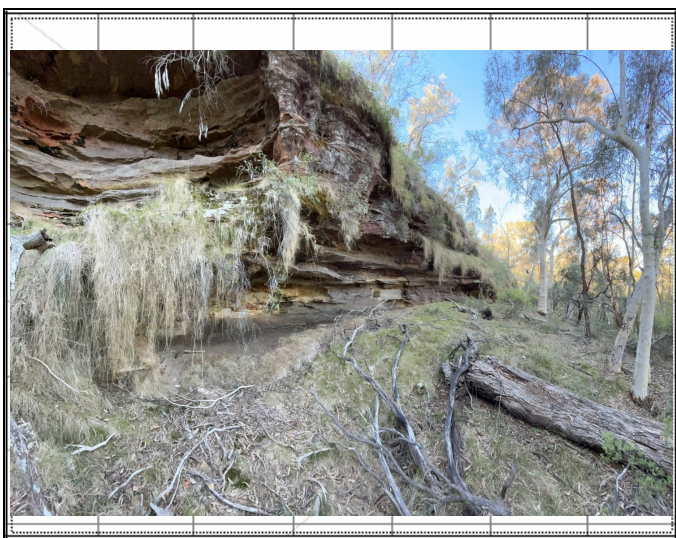
5.

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"/>

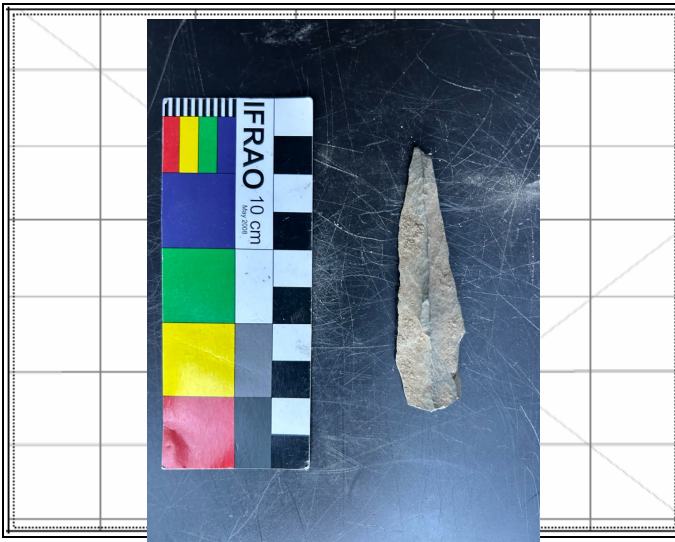
Site photographs



Description: View east across the shelter of S1MC296. August 2023.



Description: View east across the shelter of S1MC296. August 2023.



Description: Artefact located at the shelter showing the dorsal surface of a complete flake. August 2023.



Description: Artefact located at the shelter showing the ventral surface of a complete flake. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

Land Form Unit: Vegetation:

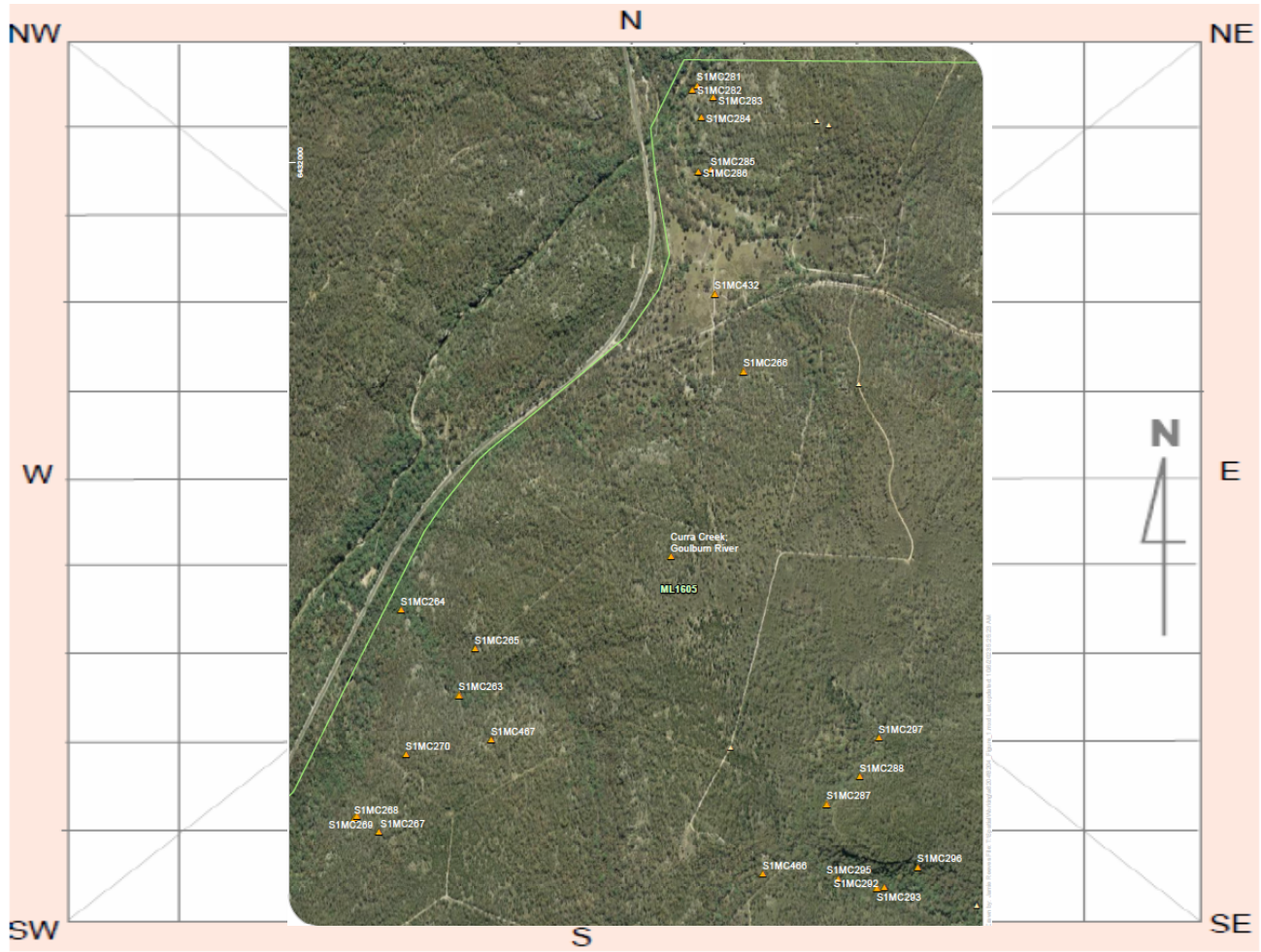
Distance to Water (m): Primary Report:

How to get to the site:

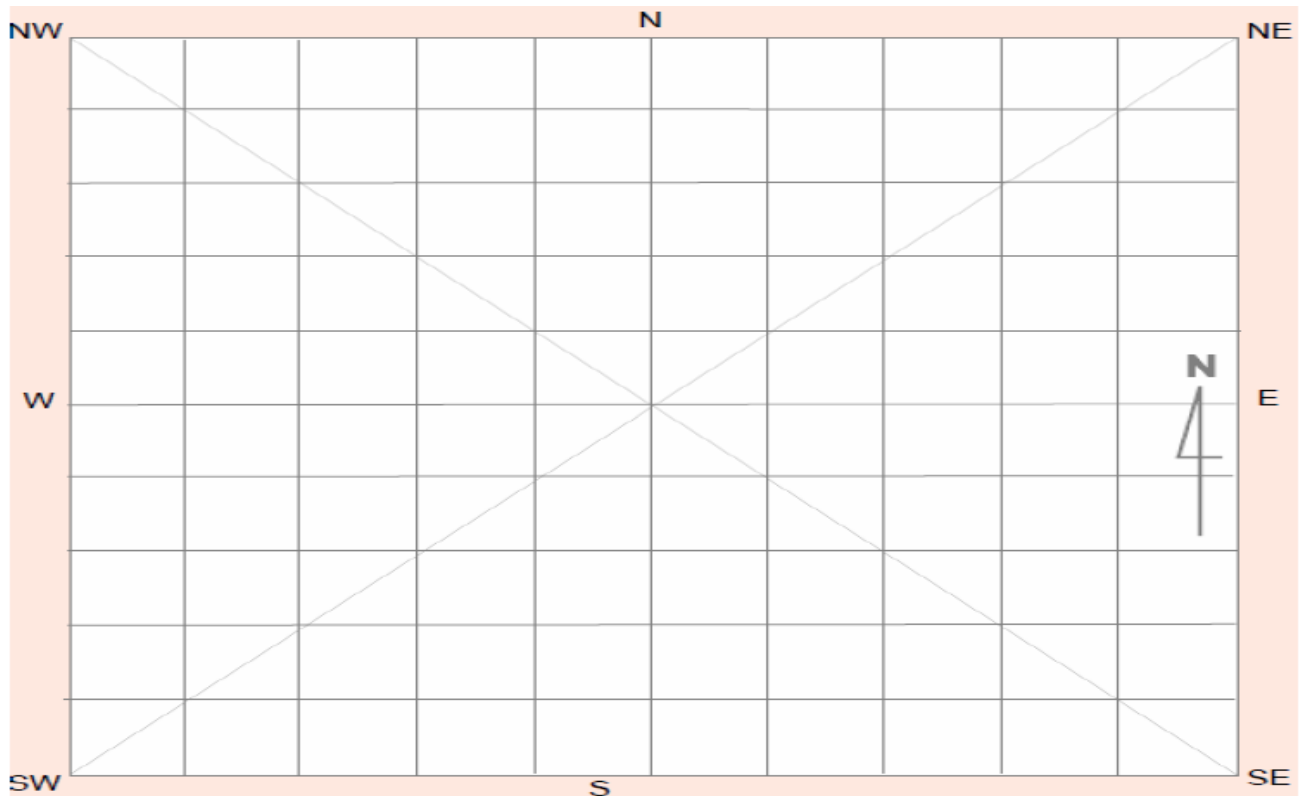
Other site information:

The site consists of a shelter which is 17m in length, 4.2m in width and 3m in height and an artefact scatter located in the front of the shelter expending 17m by 5m. The shelter has a fine, dark deposit across the shelter floor indicating the potential for subsurface archaeological deposit. Given this, the site is of high significance.

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)

1.

Feature condition:

Description:

Artefact scatter containing 13 artefacts located in front of the rock shelter.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Feature condition:

Description:

There is a fine, dark deposit across the floor of the rock shelter, along with the presence of artefacts. A site inspection in August 2023 noted that this PAD presence indicates a high archaeological potential and significance.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Feature condition:

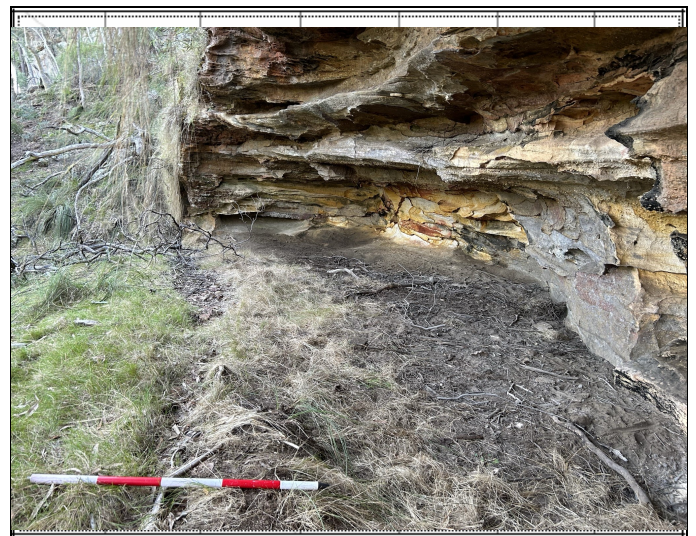
Description:

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: View east across the shelter of S1MC296. August 2023.



Description: View west across the shelter of S1MC296. August 2023.



Description:

Artefact located at the shelter showing the dorsal surface of a complete flake. August 2023.



Description:

Artefact located at the shelter showing the ventral surface of a complete flake. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title	Surname	First name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation:	<input type="text"/>	
Address:	<input type="text"/>	
Phone:	<input type="text"/>	E-mail: <input type="text"/>

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1110

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC296

Easting: 763503 Northing: 6429961 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500m-2km
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

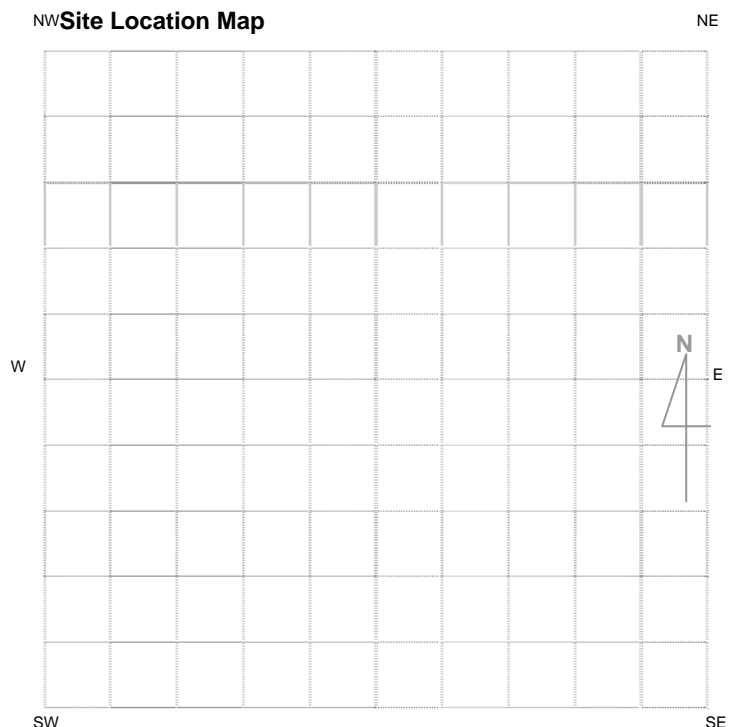
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

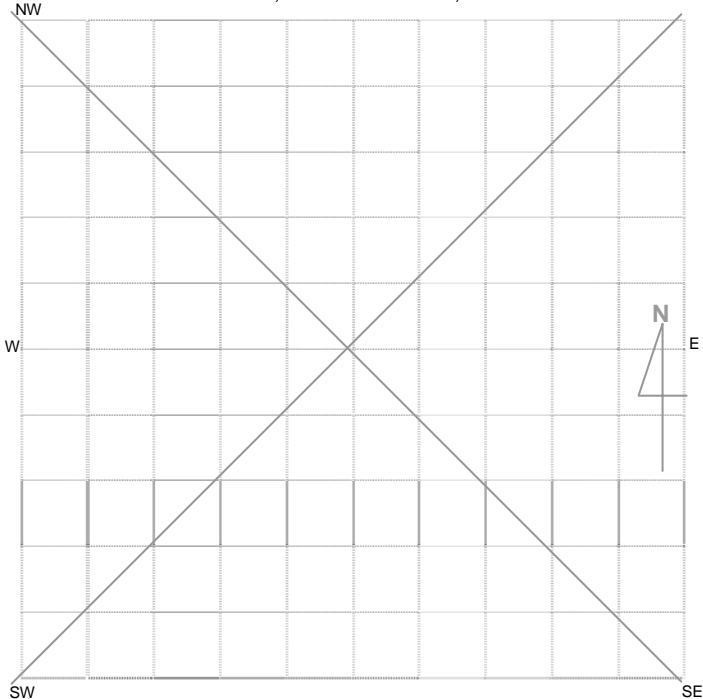
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <p><input checked="" type="checkbox"/> Boulder</p> <p><input type="checkbox"/> Wind erosion</p> <p><input type="checkbox"/> Water erosion</p> <p><input type="checkbox"/> Rock collapse</p> <p>Condition of Ceiling</p> <p><input type="checkbox"/> Boulder</p> <p><input type="checkbox"/> Sandstone platform</p> <p><input type="checkbox"/> Silica gloss</p> <p><input type="checkbox"/> Tessellated</p> <p><input checked="" type="checkbox"/> Weathered</p> <p><input type="checkbox"/> Other platform</p>	<p>Rock Surface Condition</p> <p><input type="checkbox"/> Boulder</p> <p><input checked="" type="checkbox"/> Sandstone platform</p> <p><input type="checkbox"/> Silica gloss</p> <p><input type="checkbox"/> Tessellated</p> <p><input type="checkbox"/> Weathered</p> <p><input type="checkbox"/> Other platform</p> <p>Shelter Aspect</p> <p><input type="checkbox"/> North</p> <p><input type="checkbox"/> North East</p> <p><input type="checkbox"/> East</p> <p><input type="checkbox"/> South East</p> <p><input checked="" type="checkbox"/> South</p> <p><input type="checkbox"/> South West</p> <p><input type="checkbox"/> West</p> <p><input type="checkbox"/> North West</p>	<p>Open Site</p> <p>Site Orientation</p> <p><input type="checkbox"/> N-S</p> <p><input type="checkbox"/> NE-SW</p> <p><input type="checkbox"/> E-W</p> <p><input type="checkbox"/> SE-NW</p> <p><input type="checkbox"/> N/A</p> <p><input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming</p> <p><input type="checkbox"/> 2. Aboriginal Resource & Gathering</p> <p><input type="checkbox"/> 3. Art</p> <p><input checked="" type="checkbox"/> 4. Artefact Scatter</p> <p><input type="checkbox"/> 5. Burial</p> <p><input type="checkbox"/> 6. Ceremonial Ring</p> <p><input type="checkbox"/> 7. Conflict</p> <p><input type="checkbox"/> 8. Earth Mound</p> <p><input type="checkbox"/> 9. Fish Trap</p> <p><input type="checkbox"/> 10. Grinding Groove</p> <p><input type="checkbox"/> 11. Habitation Structure</p> <p><input type="checkbox"/> 12. Hearth</p> <p><input type="checkbox"/> 13. Non Human Bone & Organic Material</p> <p><input type="checkbox"/> 14. Ochre quarry</p> <p><input checked="" type="checkbox"/> 15. Potential Archaeological Deposit</p> <p><input type="checkbox"/> 16. Stone Quarry</p> <p><input type="checkbox"/> 17. Shell</p> <p><input type="checkbox"/> 18. Stone Arrangement</p> <p><input type="checkbox"/> 19. Modified Tree</p> <p><input type="checkbox"/> 20. Water Hole</p>

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 17m Internal length
- 4.2m Internal width
- 3m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- 17m Total length of visible site
- 5m Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter containing 13 artefacts located in front of rock shelter. Assessed to be of low archaeological significance. Site is in fair condition. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Roach"/>	<input type="text" value="Lauren"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

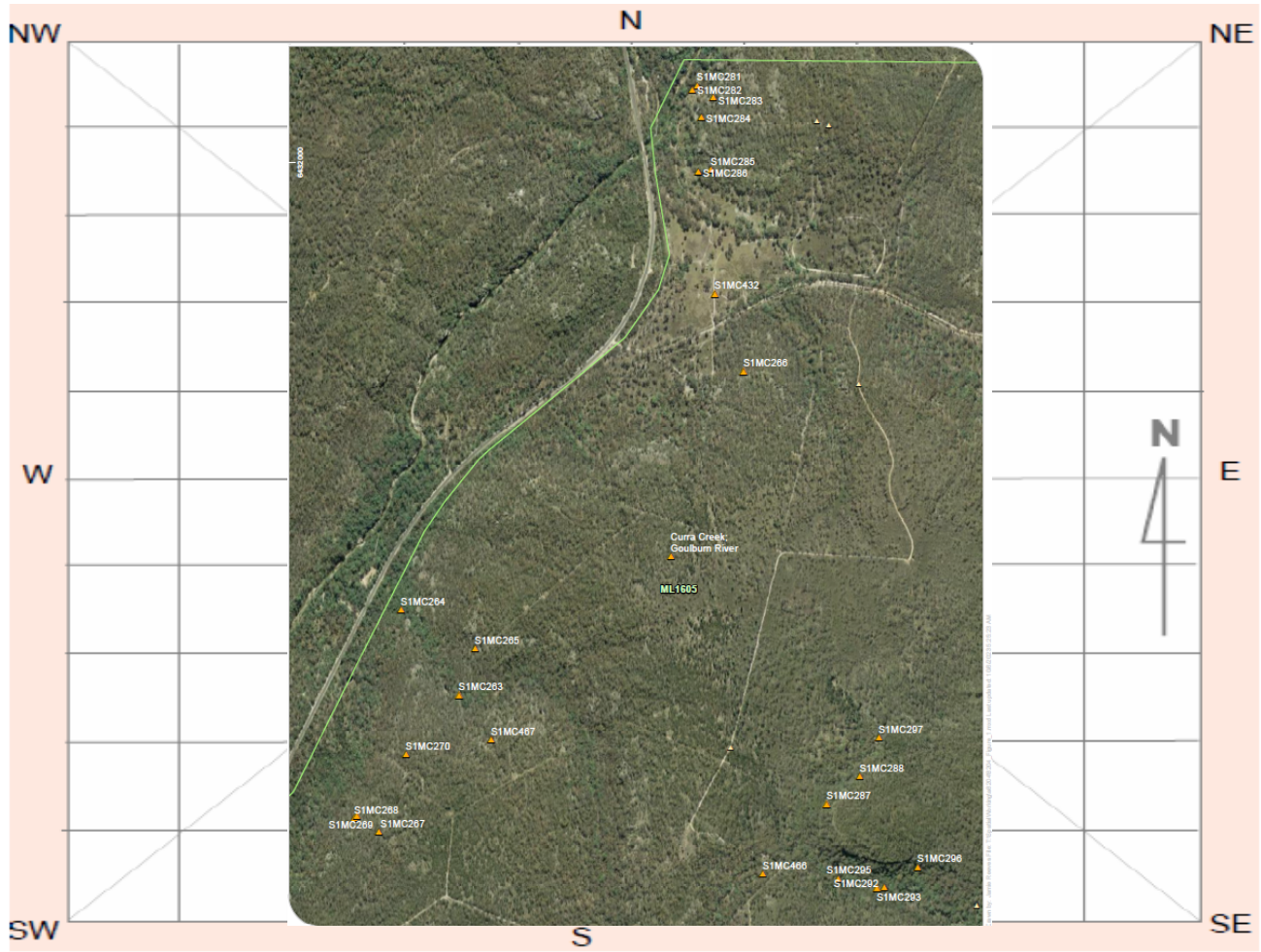
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

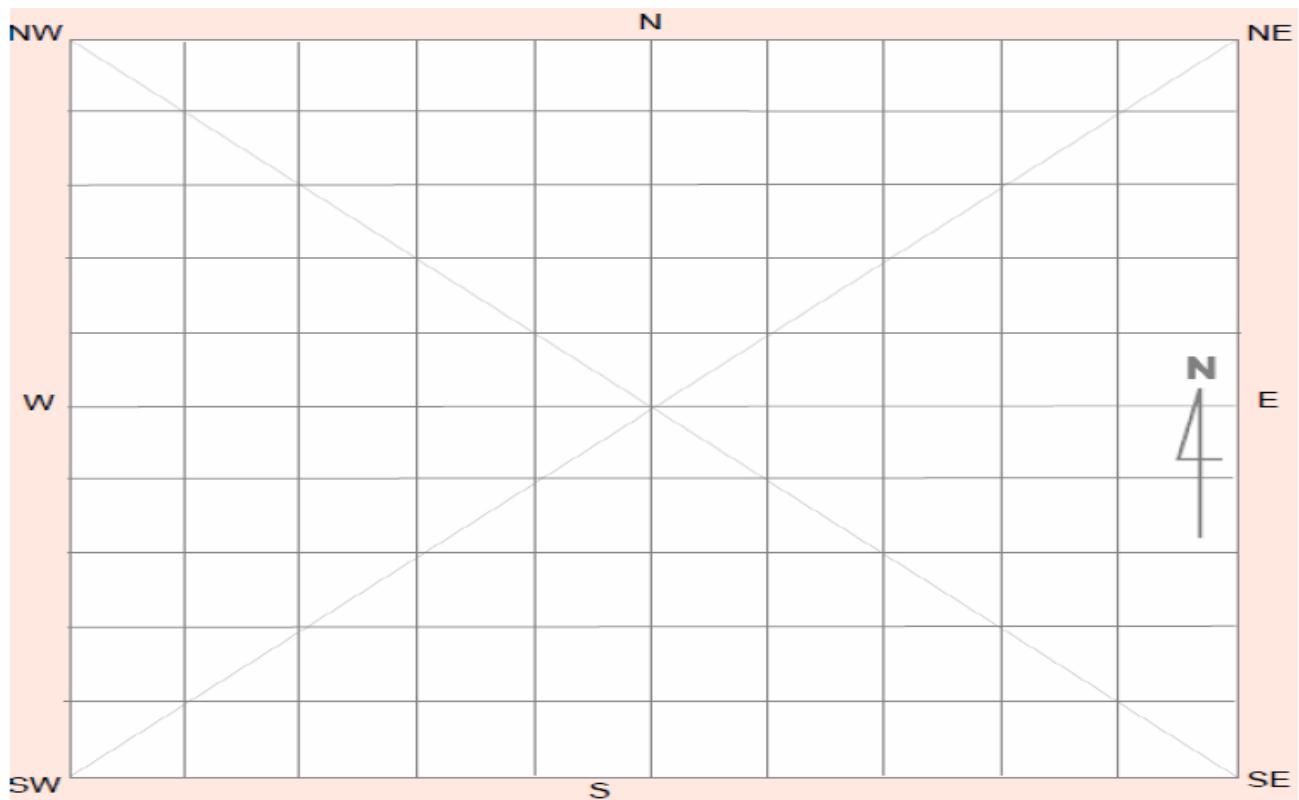
How to get to the site:

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)

1.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Artefact scatter located in front of rock shelter containing 5 artefacts. The site is in poor condition and assessed to be of low archaeological significance.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2. | |

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Shelter has a sandy floor deposit and there are 5 artefacts present which indicates the potential for archaeological deposit.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Feature condition:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

4.

Feature condition:

Description:

Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar shape Tree Species

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Feature condition:

Description:

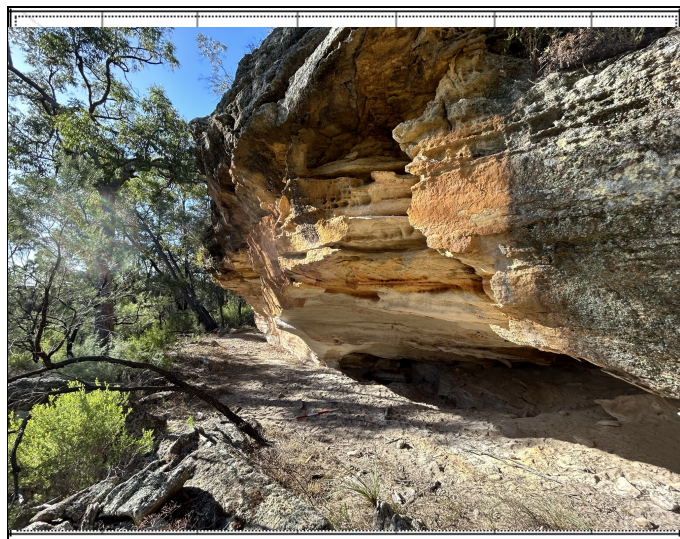
Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar shape Tree Species

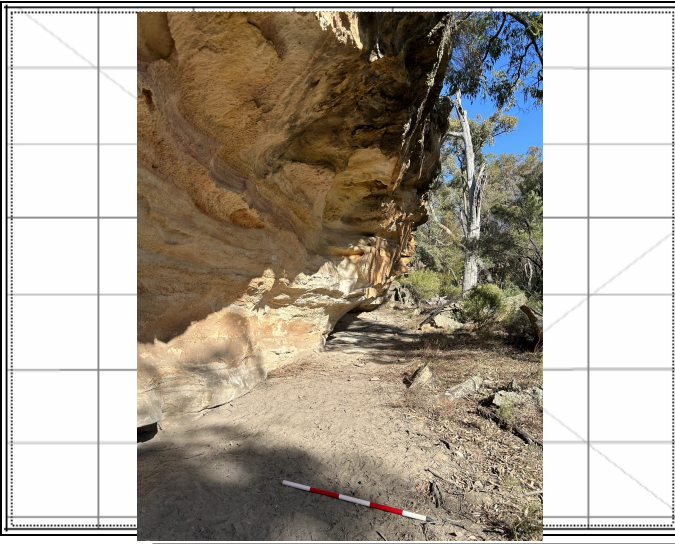
Site photographs



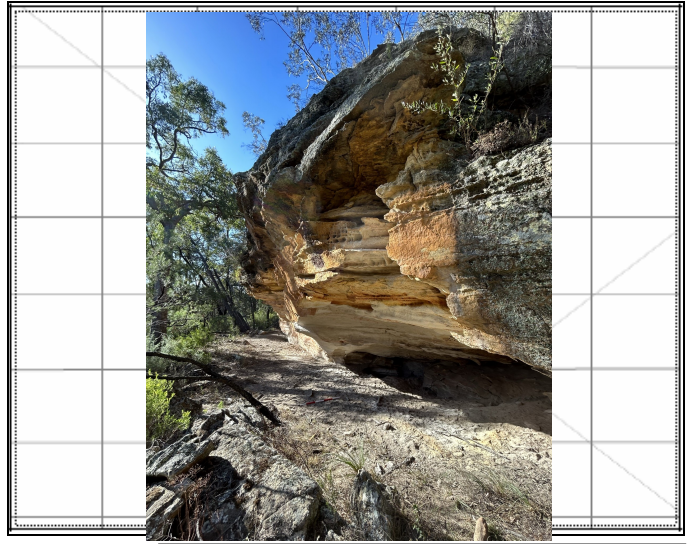
Description: View south-west across the S1MC297 shelter and deposit. August 2023.



Description: View north-east across the S1MC297 shelter and deposit. August 2023.



Description: View south-west across the SIMC297 shelter and deposit. August 2023.



Description: View north-east across the SIMC297 shelter and deposit. August 2023.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



National Parks and Wildlife Service Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number 36-3-1111

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
	Orr	Phil	
	English	Phil	

Organisation: Ulan Coal Mines

Address: Private Mail Bag, Mudgee NSW 2850

Phone Number (02) Fax (02)

Knowledge Holder

Title	Surname	First Name	Initials
-------	---------	------------	----------

Organisation:

Address

Phone Number Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name: S1MC297

Easting: 763420 Northing: 6430329 AMG GDA

Mapsheet: Durridgere 8833-1-S

Zone 54 1:25k topographic map Non differential GPS

55 1:50k topographic map Differential GPS

56 1:100k topographic map Engineering survey plan or map

Client GIS or CAD system

Primary Recorder

Title	Surname	First Name	Initials
Mr	Hamm	Giles	

Organisation: Archaeological Risk Assessment Services

Address PO Box 67, Katoomba NSW 2780

Phone Number 4782 2733 Fax 4782 2933

Date recorded:

Office Use Only

Client on system

Client on system

Client on system

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Simple slope
- Mid slope

- Upper slope
- Plain
- Ridge Crest
- Tor
- Valley Flat
- Levy

- Stream Bank
- Drainage channel
- Swamp
- Terrace
- Terrace flat

Slope

- steep
- moderate
- gentle
- flat

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry Track
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500m-2km
 Distance to temporary water source:
 Name of nearest permanent water source: Goulburn River
 Name of nearest temporary water:

Directions for Relocation

Soil Type

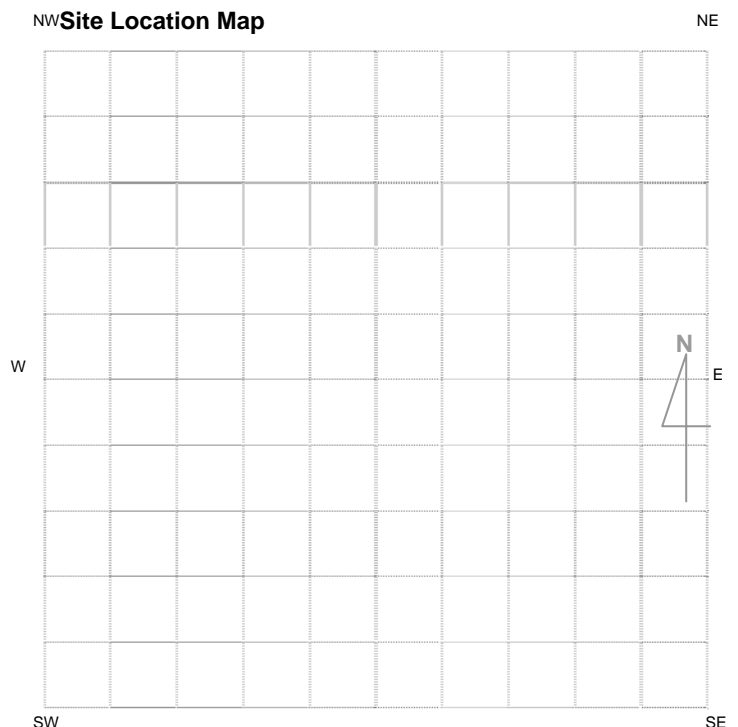
- Unit A
- Unit A (disturbed)
- Unit A & B exposed
- Imported Road Base
- Unit A (exposed)
- Skeletal
- Alluvial

Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report I.D. (I.D. Office Use only)

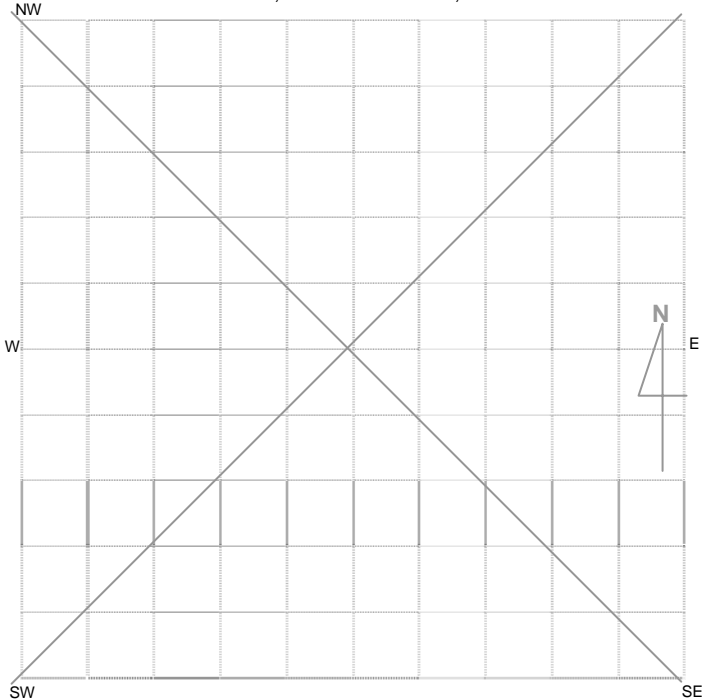
Site Location Map



Please See Attached Map

General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input checked="" type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input checked="" type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact Scatter <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input checked="" type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input checked="" type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input checked="" type="checkbox"/> West <input type="checkbox"/> North West	
<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		

Site Plan Indicate scale, boundaries of site, features.



Site Dimensions

Closed Site Dimensions (m)

- 19.3m Internal length
- 2.8m Internal width
- 4.5m Shelter height
- Shelter floor area

Open Site Dimensions (m)

- 20m Total length of visible site
- 3m Average width of visible site
- Estimated area of visible site
- Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

TBA

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Artefact scatter located in front of rock shelter containing five artefacts. Site is in poor condition and assessed to be of low archaeological significance. Reference Moolarben Coal Project Aboriginal Cultural Heritage Assessment Report Stage 1 Project Approval.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Please see attachment B.

Organisation:

Address:

Phone Number:

Fax:

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Organisation:

Address:

Phone Number

Fax

Attachments (No.)

Comments

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Lower slope
- Mid slope

- Upper slope
- Plain
- Ridge
- Tor
- Valley Flat
- Levy

- Stream Bank
- Stream channel
- Swamp
- Terrace
- Terrace flat

Slope

0-5 Degrees

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500 – 2000 metres
 Distance to temporary water source: 500 – 2000 metres
 Name of nearest permanent water source: Bora Creek
 Name of nearest temporary water:

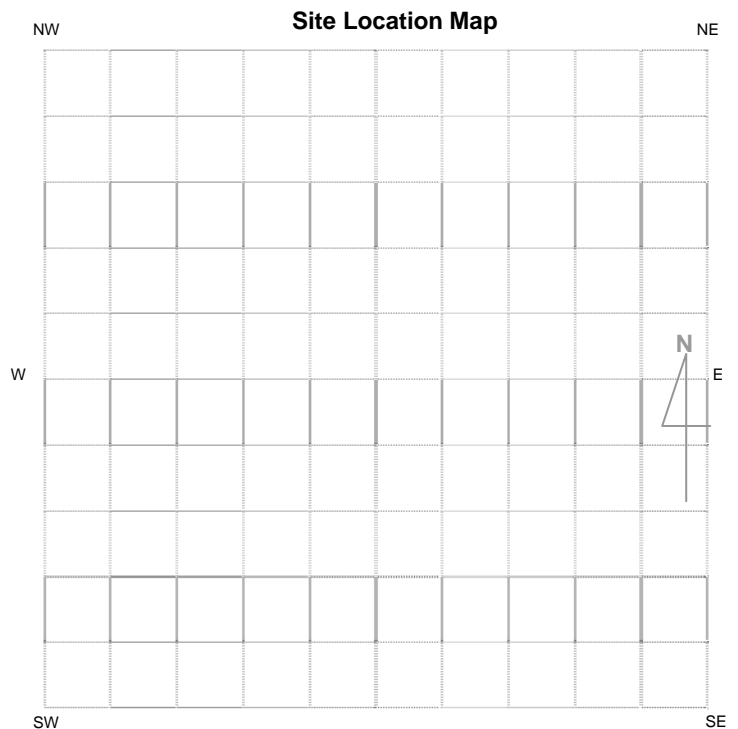
Directions for Relocation

Current Land Tenure

- Public National Park / other Government Dept.
- Private

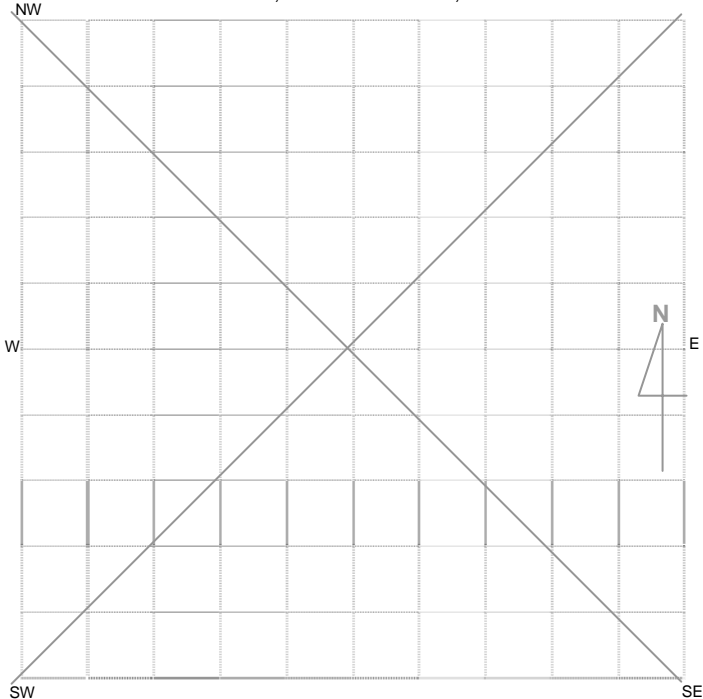
Private report

I.D. (I.D. Office Use only)



General Site Information		Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse		<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Open Site</p> <p>Site Orientation</p> <input checked="" type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A		
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform		
<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

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)

- 1 m Total length of visible site
- 1 m Average width of visible site
- 1 m x 1 m Estimated area of visible site
- 1 m Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

This site is of low scientific significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979.

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Isolated find located on a vehicle track along a ridge slope. One quartz flaked piece recorded in disturbed context. Artefact 1: Crystalline quartz flaked piece/ flaked tool, retouch on longest margin (50%), 10% cortex. Measurements: L45mm x W25mm x T15mm.

This site is of low significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus

Title

Surname

First Name

Initials

Organisation

Address

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ___

Comments

CLOSED SITE OPEN SITE

Site Context

Landform

- Mountainous
- Plain
- Rolling Hills
- Steep Hills
- Undulating plain

Landform Unit

- Beach
- Coastal rock platform
- Dune
- Intertidal flat
- Lagoon
- Tidal Creek

- Tidal Flat
- Cliff
- Crest
- Flat
- Lower slope
- Mid slope

- Upper slope
- Plain
- Ridge
- Tor
- Valley Flat
- Levy

- Stream Bank
- Stream channel
- Swamp
- Terrace
- Terrace flat

Slope

0-5 Degrees

Vegetation

- Closed forest
- Grasslands
- Isolated clumps of trees
- Open forest
- Open woodland
- Scrub
- Woodland
- Cleared
- Revegetated
- N/A

Land use

- Conservation
- Established urban
- Farming-intensive
- Farming-low intensity
- Forestry
- Industrial
- Mining
- Pastoral/grazing
- Recreation
- Semi-rural
- Service corridor
- Transport corridor
- Urban expansion
- N/A

Water

Distance to permanent water source: 500 – 2000 metres
 Distance to temporary water source: 500 – 2000 metres
 Name of nearest permanent water source: Bora Creek
 Name of nearest temporary water:

Directions for Relocation

NW NE

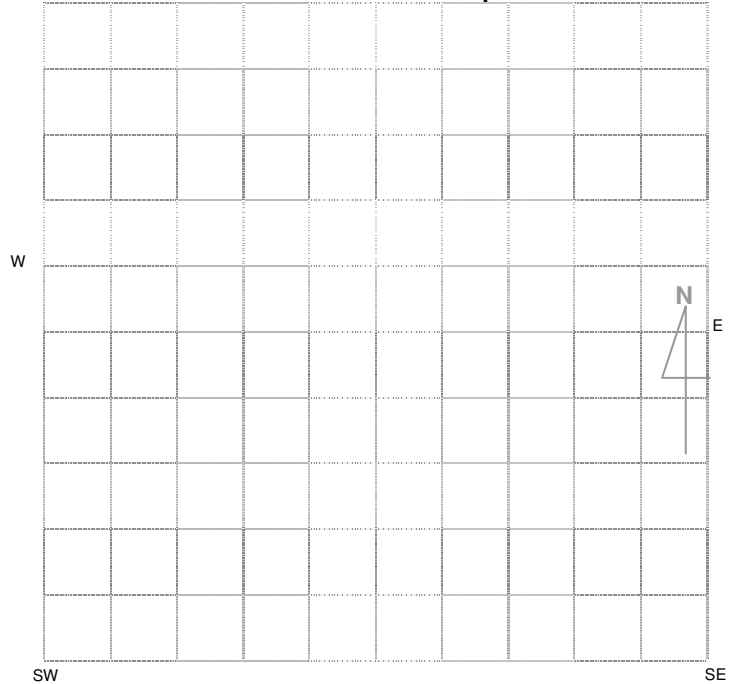
Current Land Tenure

- Public National Park / other Government Dept.
- Private

Private report

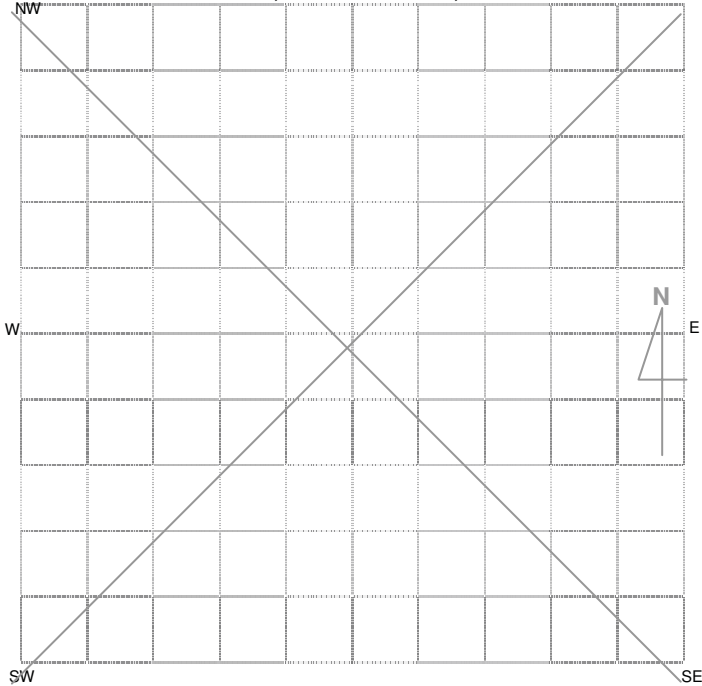
I.D. (I.D. Office Use only)

Site Location Map



General Site Information			Features
<p>Closed Site</p> <p>Shelter/Cave Formation</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse	<p>Rock Surface Condition</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Open Site</p> <p>Site Orientation</p> <input type="checkbox"/> N-S <input type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> 1. Aboriginal Ceremony & Dreaming <input type="checkbox"/> 2. Aboriginal Resource & Gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial Ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth Mound <input type="checkbox"/> 9. Fish Trap <input type="checkbox"/> 10. Grinding Groove <input type="checkbox"/> 11. Habitation Structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non Human Bone & Organic Material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential Archaeological Deposit <input type="checkbox"/> 16. Stone Quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone Arrangement <input type="checkbox"/> 19. Modified Tree <input type="checkbox"/> 20. Water Hole
<p>Condition of Ceiling</p> <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	<p>Shelter Aspect</p> <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West		

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)

- 1 m Total length of visible site
- 1 m Average width of visible site
- 1 m x 1 m Estimated area of visible site
- 1 m Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

This site is of low scientific significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979.

Preliminary Site Assessment

Site Cultural & Scientific Analysis and Preliminary Management Recommendations

Isolated find located on a vehicle track along a ridge slope. One quartz flake recorded in disturbed context. Artefact 1: Crystalline quartz broken flake, split cone, no cortex, feather termination, no retouch, small amount of edge damage.

This site is of low significance. Surface Collection by controlled gridded method. Bagged and labelled appropriately. Mapped according to scale. All retrieved material bagged and properly labelled for artefact analysis and catalogued for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1979.

This section should only be filled in by the Endorsees

Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus
Title Surname First Name Initials

Organisation

Address

Phone Number

Fax

Attachments (No.)

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts – No. ____

Comments

- 1 This form must be completed following impacts to AHIMS sites that are:
 - a) a result of test excavation carried out in accordance with the *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW*
 - b) authorised by an Aboriginal Heritage Impact Permit (AHIP) issued by the Office of Environment and Heritage (OEH)
 - c) undertaken for the purpose of complying with Director General's Requirements issued by the Department of Planning and Infrastructure (DP&I) for:
 - State Significant Development (SSD - Part 4),
 - State Significant Infrastructure (SSI - Part 5.1), or
 - A Major Project (Part 3A - now repealed) under the *Environmental Planning and Assessment Act 1979 (EP&A Act)*, or
 - d) authorised by a SSD/SSI/Part 3A consent/approval under the EP&A Act.
- 2 Completed forms must be submitted to the AHIMS Registrar (www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm).
- 3 This form is intended to complement (not replace) the AHIMS Site Recording Form. Where there is a need to provide detailed information about the nature of a site, use the AHIMS Site Recording Form.
- 4 This form does not replace the need to submit reports to OEH (as a condition of an AHIP or SSD/SSI/Part 3A consent/approval)
This form must be submitted in addition to any reports.

AHIMS site ID:

36-3-2597

Date recorded:

23-07-2024

Site impact authorisation (select one)	Reference numbers, dates
<input type="checkbox"/> Archaeological Code (The impacts to this site were the result of test excavation carried out in accordance with the <i>Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW</i> .)	Date OEH was notified (under requirement 15c of the Code): <input type="text"/> OEH Regional office notified: <input type="text"/>
<input type="checkbox"/> AHIP (The impacts to this site were authorised by an AHIP.)	AHIP number: <input type="text"/> Date issued/signed: <input type="text"/> AHIMS permit ID/number: <input type="text"/>
<input type="checkbox"/> SSD/SSI/Part 3A application (The impacts to this site were undertaken for the purposes of complying with Director General's Requirements issued by the DP&I)	Project number: <input type="text" value="050117"/> Date Director General's Requirements issued: <input type="text" value="21-12-2009"/>
<input checked="" type="checkbox"/> SSD/SSI/Part 3A approved project (The impacts to this site were authorised by a consent/approval under Parts 4/5.1/3A of the EP&A Act.)	or Date of project approval: <input type="text" value="03-02-2011"/>

Site status following impacts:

- Not a site (The investigations concluded that this is not a site.)
- Valid site (The investigations confirmed that this is an Aboriginal site.)
- Partially destroyed (The site was partially destroyed following authorised impacts; a portion of the site remains in situ.)
- Destroyed (The site was completely destroyed following authorised impacts.)

Site Location Information:

Site name:

S1MC324

Easting:

763245

Northing:

6432104

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

4

Zone:

55

Location method:

Non-Differential GPS

Recorder Information:

(The person responsible for the completion and submission of this form)

Title

Surname

First name

Ms.

Todhunter

Carly

Organisation:

Niche Environment and Heritage

Address:

2 Rixon Avenue Bulli NSW 2524

Phone:

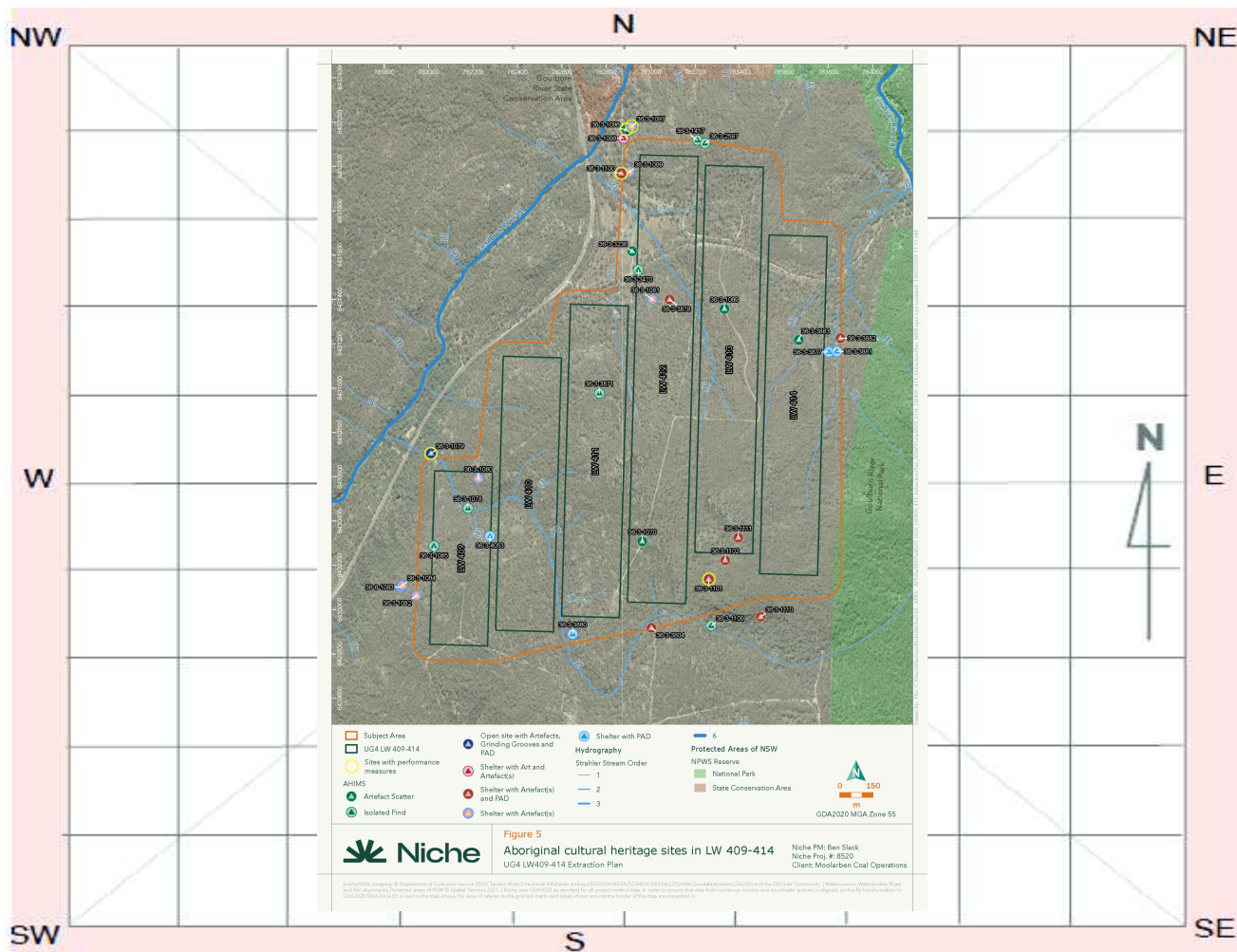
0458001164

E-mail:

ctodhunter@niche-eh.com

Location map

Clearly demarcate the original AHIMS site boundary, show the boundaries of impacted areas and the areas where the site remains in situ. Display map coordinates.



Site contents information

open/closed site:

Site condition:

Features:

Feature condition:

Number of features: Length of feature(s) extent (m): Width of feature (s) extent (m):

1.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>	Tree Species	<input type="text"/>

Description:

The site is registered in AHIMS as an isolated find comprising a quartz flake in a disturbed context along an existing vehicle track.

Features:

Feature condition:

Number of features: Length of feature(s) extent (m): Width of feature (s) extent (m):

2.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>	Tree Species	<input type="text"/>

Description:

Features:

Feature condition:

Number of features: Length of feature(s) extent (m): Width of feature (s) extent (m):

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>	Tree Species	<input type="text"/>

Description:

Features:

Feature condition:

Number of features: Length of feature(s) extent (m): Width of feature (s) extent (m):

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>	Tree Species	<input type="text"/>

Description:

Features:Feature condition: Number of features Length of feature(s) extent (m) Width of feature (s) extent (m) 5. Description:

Scarred Trees

Scar Depth (cm) Regrowth (cm) Scar Length (cm) Scar Width (cm) Scar shape Tree Species

Other Site Info:

An attempt was made to relocate the isolated find in March 2011 however no artefacts were identified (AECOM 2011: 17).

Methodology and results

Summary of the methodology and results of the activity or works undertaken through the authorised impacts, as relevant to the AHIMS site

ARAS (2009:42) recommended surface collection at the site in accordance with the AHMP. The methodology employed for the surface collection consisted of two AECOM archaeologists and four Aboriginal stakeholder representatives locating the targeted sites, visually surveying them for artefacts, and employing the following procedure: ? Flagging of individual artefacts identified. ? Recording the location of flagged artefacts with a differential GPS. ? Flagged artefact

Management recommendations

Summary of any management recommendations for the AHIMS site

An attempt was made to salvage the site on 1-2 March 2011 however no artefacts were identified at the recorded site location (AECOM 2011). In accordance with Section 5.3.3 of the AHMP, the site has been sufficiently salvaged.

Post-investigation significance

Discuss if the scientific/archaeological or cultural significance of the site has changed in light of the results of the investigations or works conducted at the site.

Site was originally identified as having low archaeological significance however following the salvage, the site has no investigative significance.

Additional comments

Site photographs

Include photographs of the authorised impacts activity, as relevant to the AHIMS site. Please keep photo size to a maximum of 200 kb.

NPWS Aboriginal Site Recording Form - Site Information page 4

Biological Community Interpretation and Management Recommendations
 This site is of low scientific significance. Surface Collection by controlled probe method. Bagged and labelled appropriately. Mapped according to code. All relevant material bagged and properly labelled for further analysis and subsequent for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1975.

Preliminary Site Assessment
Site Culture & Heritage Analysis and Preliminary Management Recommendations
 Located first located on a vehicle track along a ridge slope. One quartz tube recorded in disturbed context. Artifact 1: Crystalline quartz (one lens, left side, no cortex, better hemispherical, no network, small amount of edge damage)
 This site is of low significance. Surface Collection by controlled probe method. Bagged and labelled appropriately. Mapped according to code. All relevant material bagged and properly labelled for further analysis and subsequent for return to Aboriginal community under section 85A Care and Control Permit under NPW Act 1975.

This section should not be filled in by the Sitekeeper
 Endorsed by: Knowledge Holder Nominated Trustee Native Title Holder Community Consensus
 Title: _____ Surname: _____ First Name: _____ Initials: _____

Organisation: _____
 Address: _____
 Phone Number: _____ Fax: _____

Attachments (No.)
 All business cards
 SW photographs
 Colour photographs
 Slides
 Aerial photographs
 Site plans, drawings
 Recording tables
 Other
 Feature inserts - No. _____

Comments

Description: Original site card description- no photos available.

Description:

Description:

Description:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Mr."/>	<input type="text" value="Hansel"/>	<input type="text" value="Balazs"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

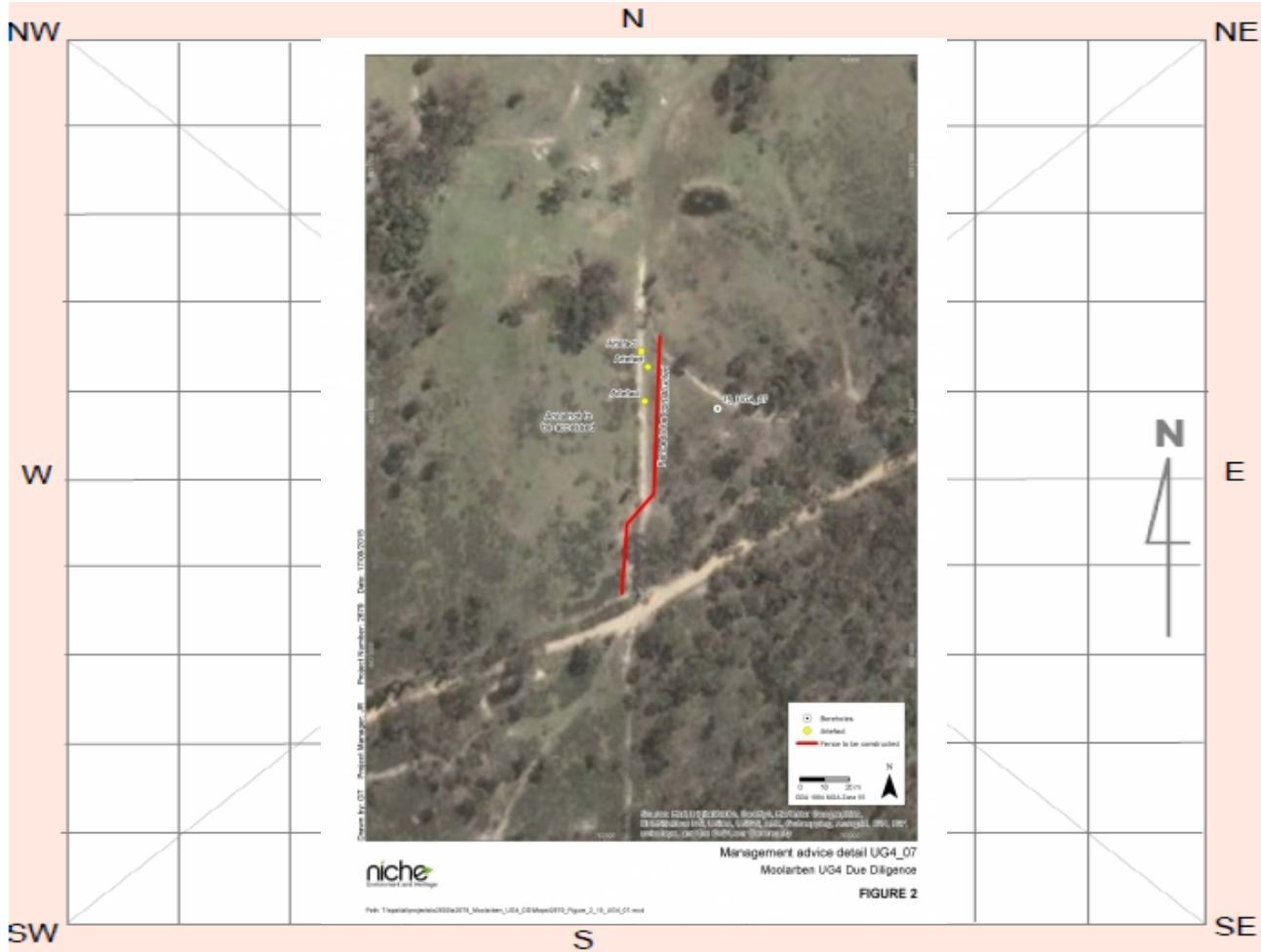
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

1.	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
	Artefact	3	20	3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Three quartz artefacts identified in a ground exposure of a vehicle access track.

Features:

2.	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
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

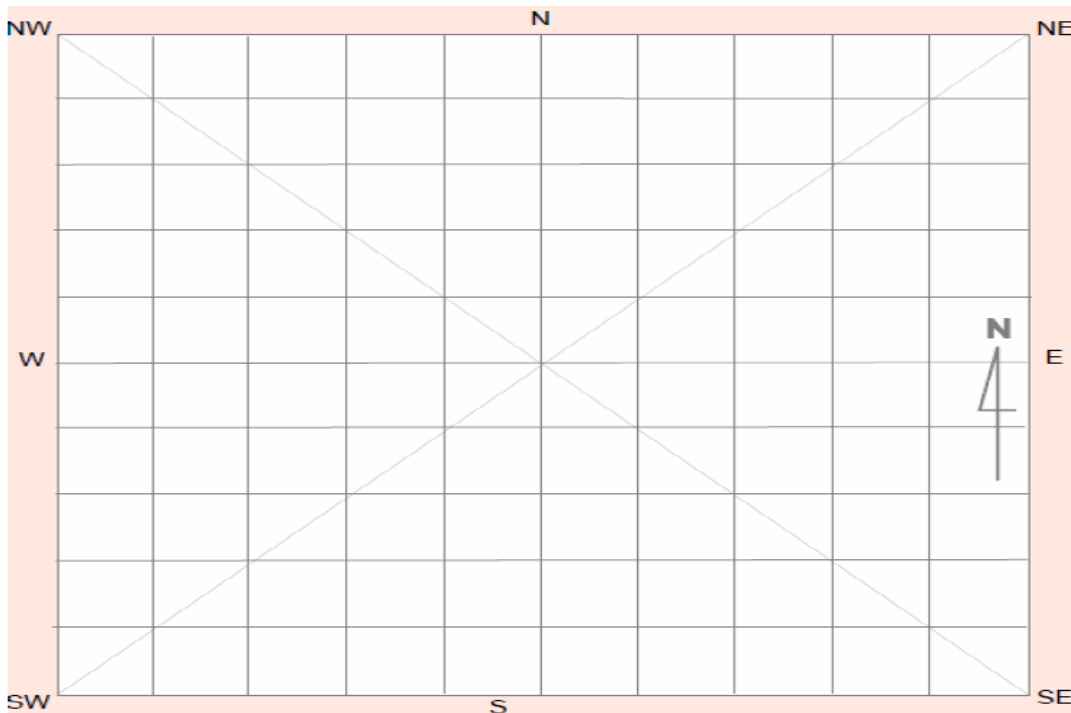
Number of features
Length of feature(s) extent (m)
Width of feature (s) extent (m)

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Site plan

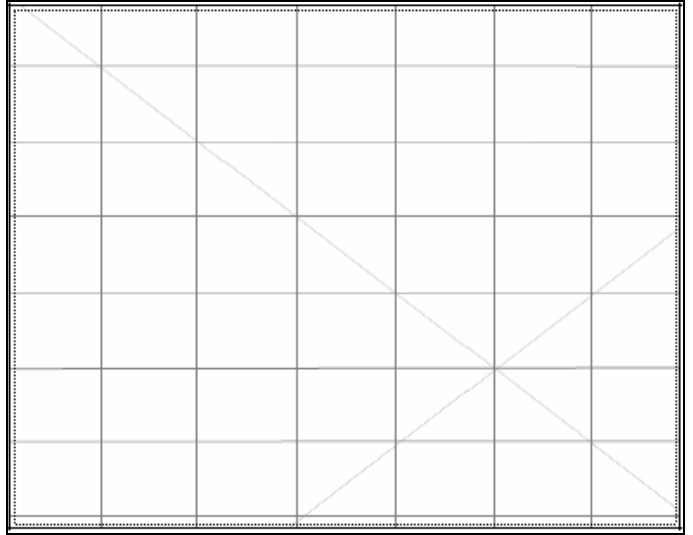


Site photographs

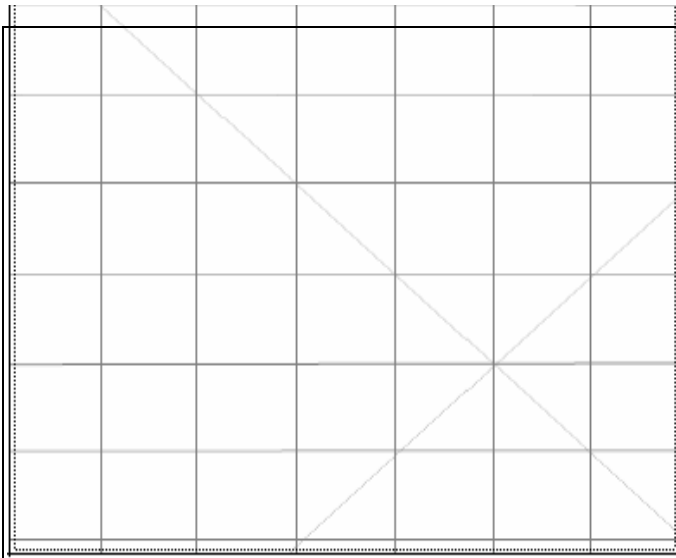


Description:

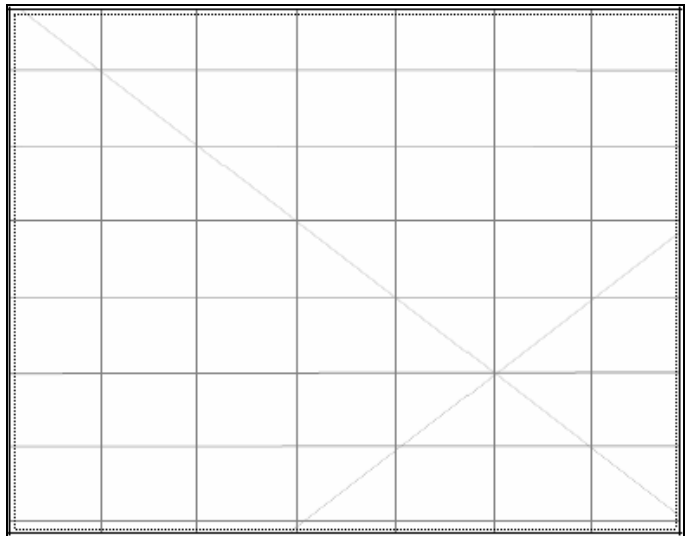
View of vehicle access track, north aspect



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

- 1 This form must be completed following impacts to AHIMS sites that are:
 - a) a result of test excavation carried out in accordance with the *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW*
 - b) authorised by an Aboriginal Heritage Impact Permit (AHIP) issued by the Office of Environment and Heritage (OEH)
 - c) undertaken for the purpose of complying with Director General's Requirements issued by the Department of Planning and Infrastructure (DP&I) for:
 - State Significant Development (SSD - Part 4),
 - State Significant Infrastructure (SSI - Part 5.1), or
 - A Major Project (Part 3A - now repealed) under the *Environmental Planning and Assessment Act 1979 (EP&A Act)*, or
 - d) authorised by a SSD/SSI/Part 3A consent/approval under the EP&A Act.
- 2 Completed forms must be submitted to the AHIMS Registrar (www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm).
- 3 This form is intended to complement (not replace) the AHIMS Site Recording Form. Where there is a need to provide detailed information about the nature of a site, use the AHIMS Site Recording Form.
- 4 This form does not replace the need to submit reports to OEH (as a condition of an AHIP or SSD/SSI/Part 3A consent/approval) This form must be submitted in addition to any reports.

AHIMS site ID:

Date recorded:

Site impact authorisation (select one)	Reference numbers, dates
<input type="checkbox"/> Archaeological Code (The impacts to this site were the result of test excavation carried out in accordance with the <i>Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW</i> .)	Date OEH was notified (under requirement 15c of the Code): <input type="text"/> OEH Regional office notified: <input type="text"/>
<input type="checkbox"/> AHIP (The impacts to this site were authorised by an AHIP.)	AHIP number: <input type="text"/> Date issued/signed: <input type="text"/> AHIMS permit ID/number: <input type="text"/>
<input type="checkbox"/> SSD/SSI/Part 3A application (The impacts to this site were undertaken for the purposes of complying with Director General's Requirements issued by the DP&I)	Project number: <input type="text" value="050117"/> Date Director General's Requirements issued: <input type="text" value="12-09-2006"/>
<input checked="" type="checkbox"/> SSD/SSI/Part 3A approved project (The impacts to this site were authorised by a consent/approval under Parts 4/5.1/3A of the EP&A Act.)	or Date of project approval: <input type="text" value="06-09-2007"/>

Site status following impacts:

- Not a site (The investigations concluded that this is not a site.)
- Valid site (The investigations confirmed that this is an Aboriginal site.)
- Partially destroyed (The site was partially destroyed following authorised impacts; a portion of the site remains in situ.)
- Destroyed (The site was completely destroyed following authorised impacts.)

Site Location Information:

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

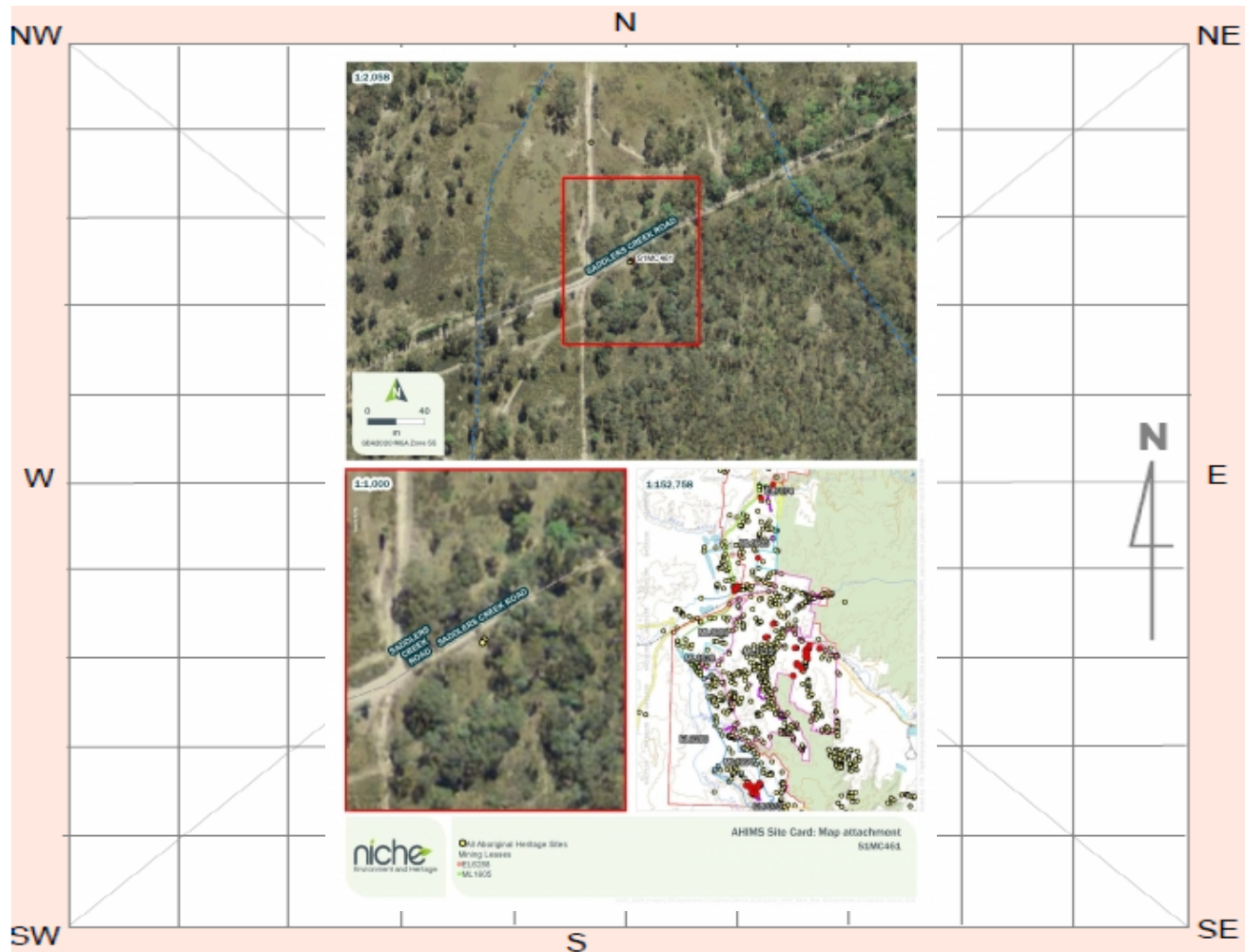
Recorder Information:

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Low"/>	<input type="text" value="Marika"/>
Organisation:	<input type="text" value="Niche Environment and Heritage"/>	
Address:	<input type="text" value="L4/460 Church Street Parramatta NSW 2150"/>	
Phone:	<input type="text" value="0488774006"/>	E-mail: <input type="text" value="v-mlow@niche-eh.com"/>

Location map

Clearly demarcate the original AHIMS site boundary, show the boundaries of impacted areas and the areas where the site remains in situ. Display map coordinates.



Site contents information

open/closed site:

Site condition:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

1.

Description:

Originally recorded as an isolated artefact consisting of a core manufactured from IMTUFF but after a reasonable search effort by Niche and RAPs during the surface salvage program no artefacts were recovered.

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>		Tree Species <input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Description:

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>		Tree Species <input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Description:

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>		Tree Species <input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

4.

Description:

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>		Tree Species <input type="text"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

5.

Description:

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar Length (cm)	Scar Width (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scar shape	<input type="text"/>		Tree Species <input type="text"/>

Other Site Info:

Methodology and results

Summary of the methodology and results of the activity or works undertaken through the authorised impacts, as relevant to the AHIMS site

Works were undertaken in accordance with the Moolarben Coal Operations Heritage Management Plan (HMP). The methodology for surface collection therefore followed the protocols outlined in Section 5.5. Refer to 'Moolarben Coal Complex 2020 Aboriginal Heritage Salvage Program: AIZ, OC3, OC4, UG1 and UG4 - Aboriginal Heritage Salvage Compliance Report' (Niche 2021) for details.

Management recommendations

Summary of any management recommendations for the AHIMS site

Refer to 'Moolarben Coal Complex 2020 Aboriginal Heritage Salvage Program: AIZ, OC3, OC4, UG1 and UG4 - Aboriginal Heritage Salvage Compliance Report' (Niche 2021) for details.

Post-investigation significance

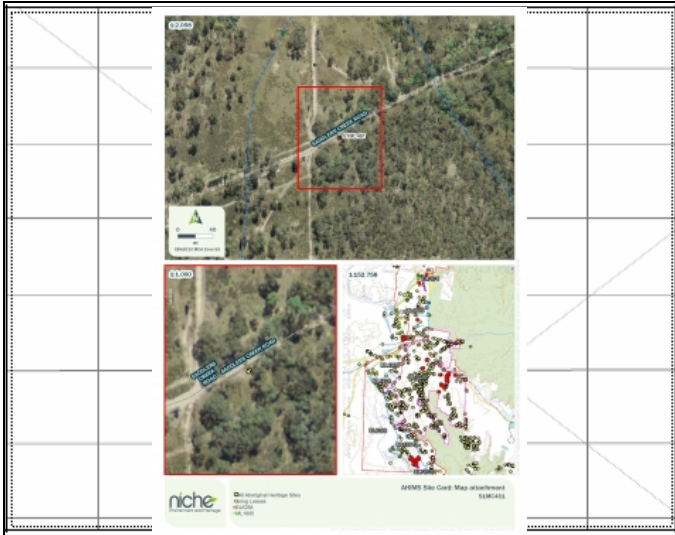
Discuss if the scientific/archaeological or cultural significance of the site has changed in light of the results of the investigations or works conducted at the site.

Refer to 'Moolarben Coal Complex 2020 Aboriginal Heritage Salvage Program: AIZ, OC3, OC4, UG1 and UG4 - Aboriginal Heritage Salvage Compliance Report' (Niche 2021) for details.

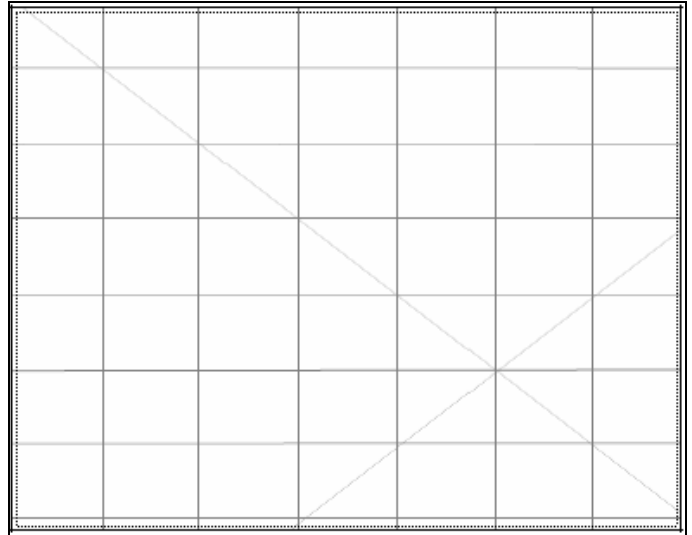
Additional comments

Site photographs

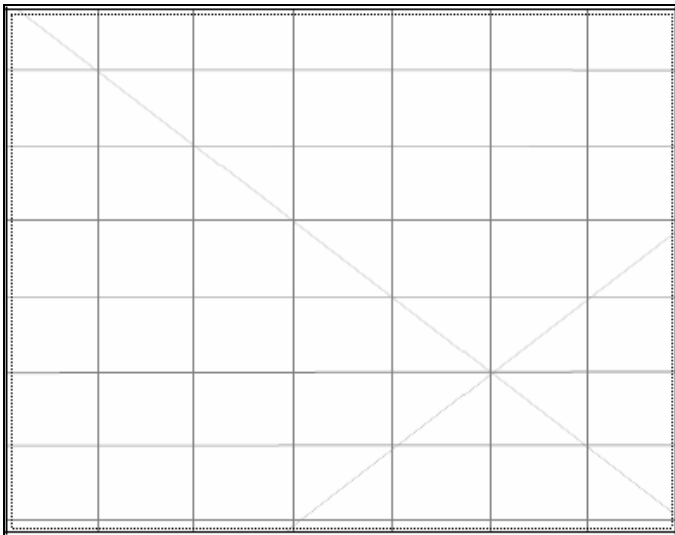
Include photographs of the authorised impacts activity, as relevant to the AHIMS site. Please keep photo size to a maximum of 200 kb.



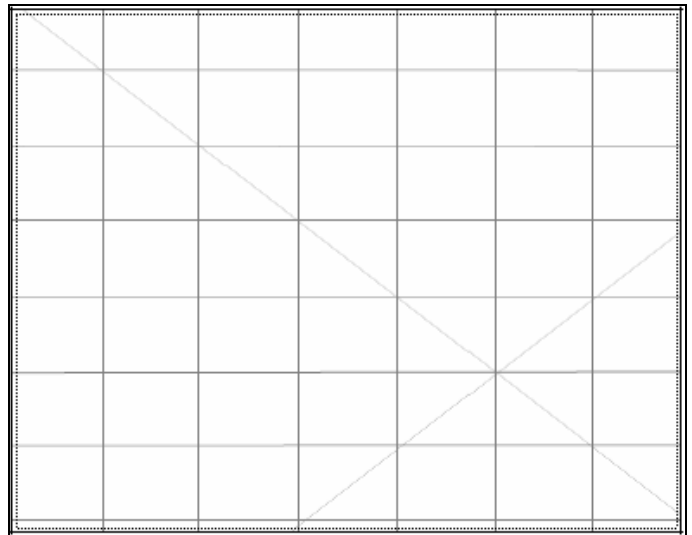
Description: Site plan



Description:



Description:



Description:

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Mr."/>	<input type="text" value="Reeves"/>	<input type="text" value="Jamie"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

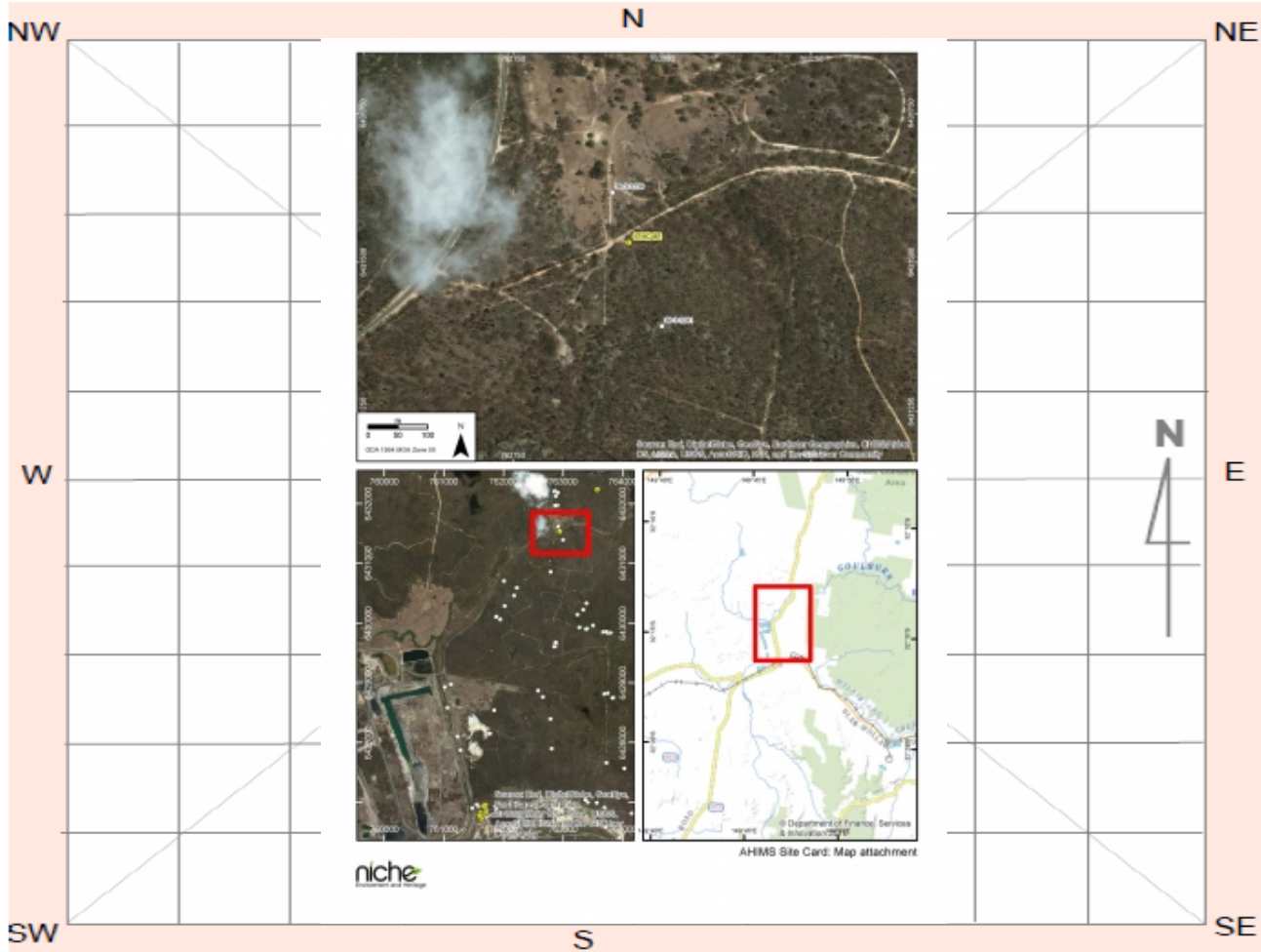
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

1.	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
	Artefact	1	1	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Core Raw Material: Indurated Mudstone-Tuff Cortex: <25% Platforms: 1 Scar Direction: 1 Number of Scars: 7 Max Dimension (mm): 42 Length (mm): 35 Width (mm): 29 Thickness (mm): 32

Features:

2.	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
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

Number of features
Length of feature(s) extent (m)
Width of feature (s) extent (m)

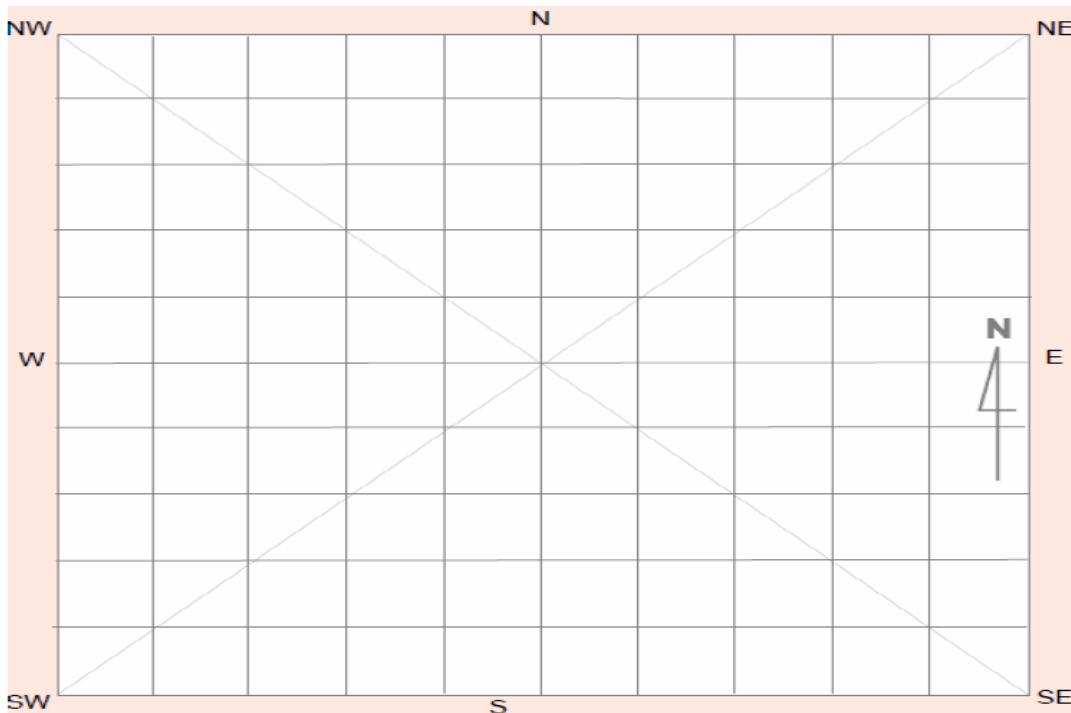
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

A single artefact located in a cleared area next to Saddlers Creek Road.

Site plan

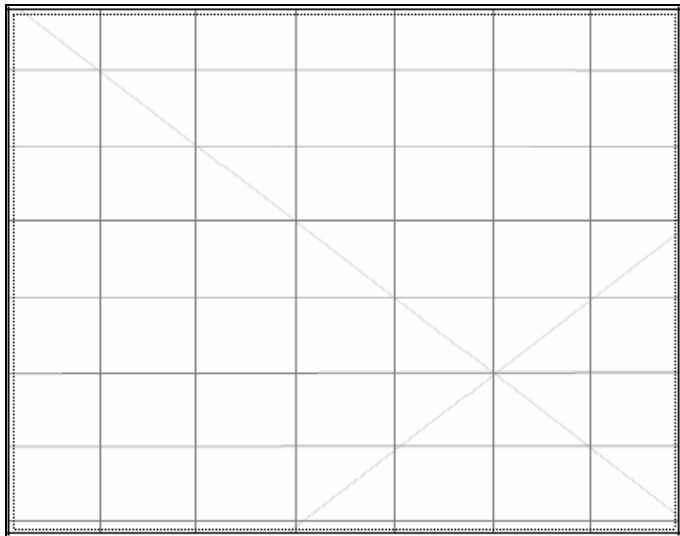
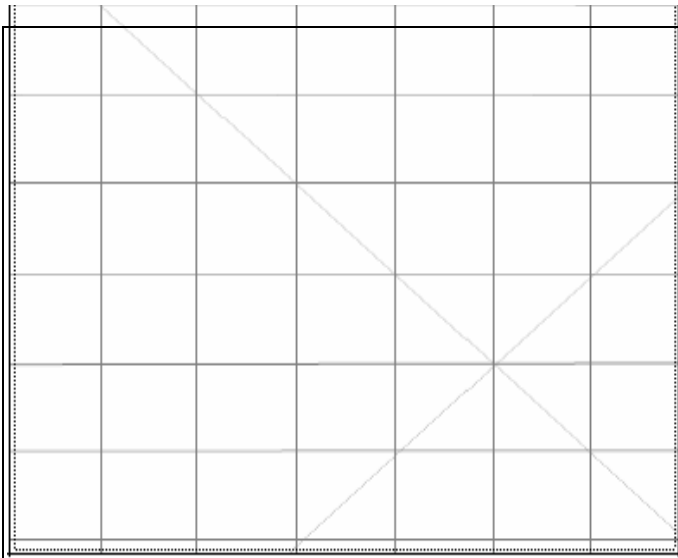


Site photographs



Description:

Description:



Description:

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

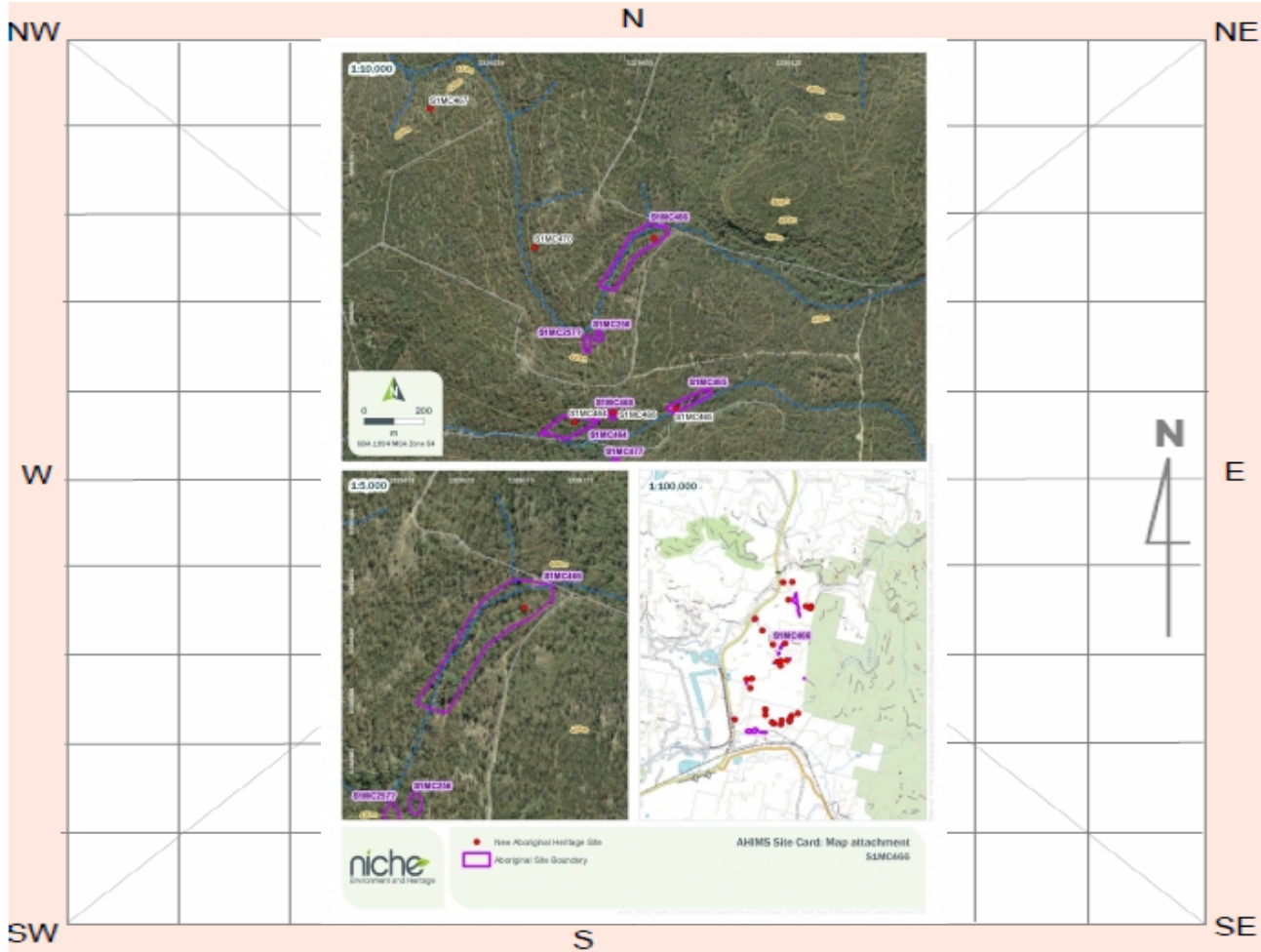
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
<input type="text" value="21"/>	<input type="text" value="270"/>	<input type="text" value="60"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

21 stone artefacts observed from the sandstone outcrop extending down to and on both sides of the drainage line, and eroding from the creek banks, over a 270m x 60m area. Artefact types include quartz, chert and tuff complete and broken flakes and broken tools. Artefact reduction techniques evident.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
<input type="text"/>	<input type="text" value="1.4"/>	<input type="text" value="3"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Pagoda style sandstone outcrop situated on a gently sloped open depression, adjacent an incised drainage line on a plateau which flows from a cliff-line to an enclosed gully. Sandy quartz sand deposits with a build up of exfoliated material. 150 mm at dripline, 1000mm towards creekline.

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

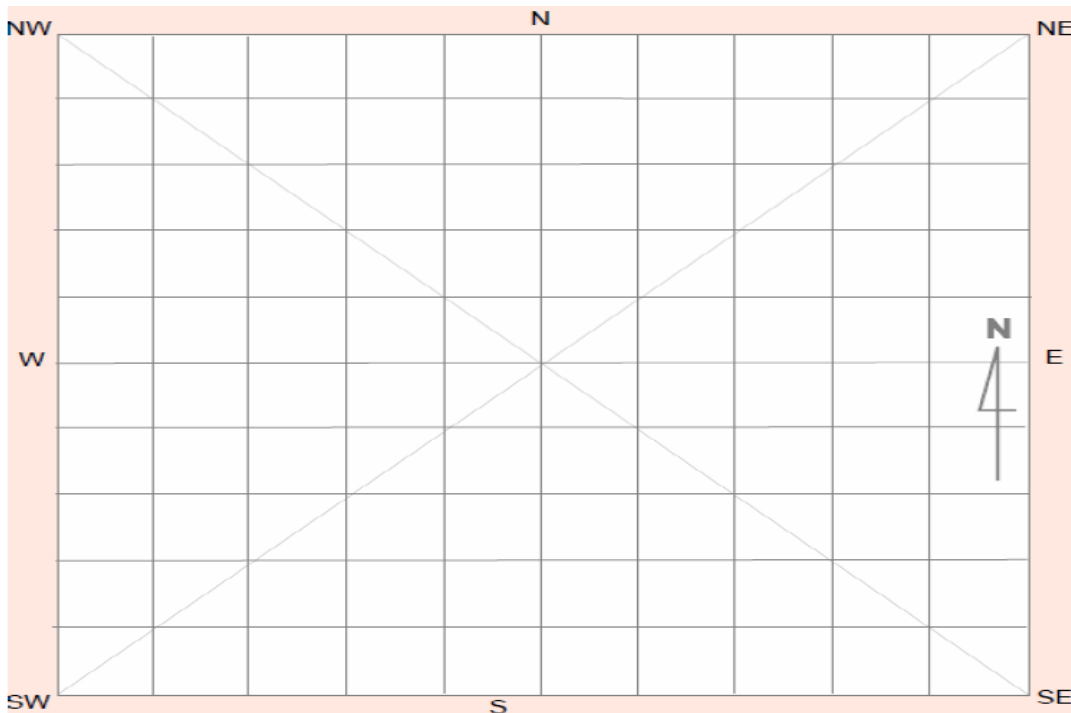
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Artefact reduction techniques evident in the assemblage include blade and microblade, bipolar and non-determinate reduction.

Site plan



Site photographs



Description: Incised drainage line intersection S1M466.



Description: General photo of site S1MC 466, facing north. PAD and shelter.



Description: Stone artefacts at S1MC466.



Description: chert flake with usewear at site S1MC466.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Mr."/>	<input type="text" value="Finnerty"/>	<input type="text" value="Riley"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

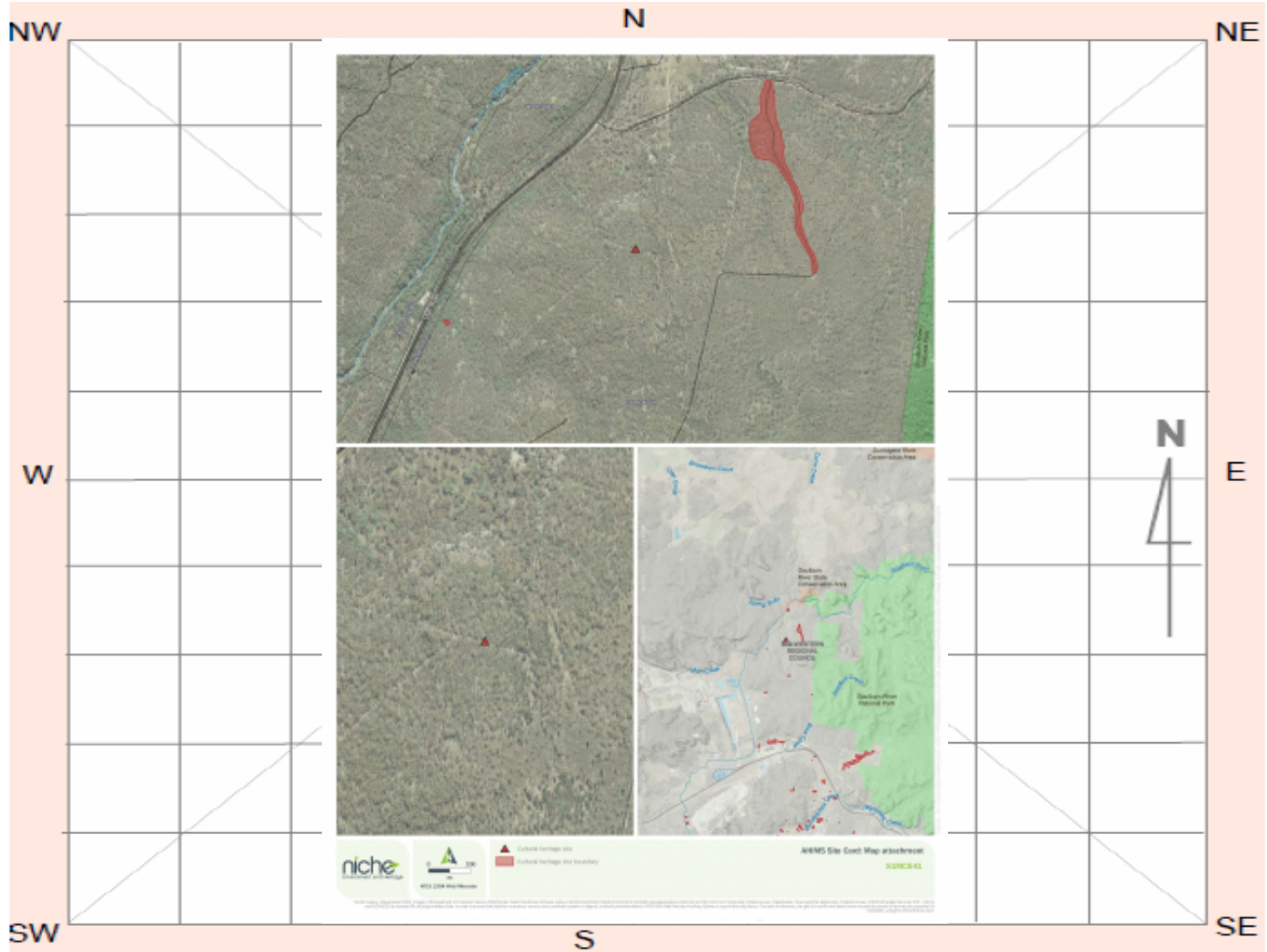
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

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="Artefact"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

1x Isolated artefact. Polished basalt broken axe fragment from head with a smoothed bevel. Length = 22mm, Width = 32mm, Thickness = 5mm.

Features:

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"/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

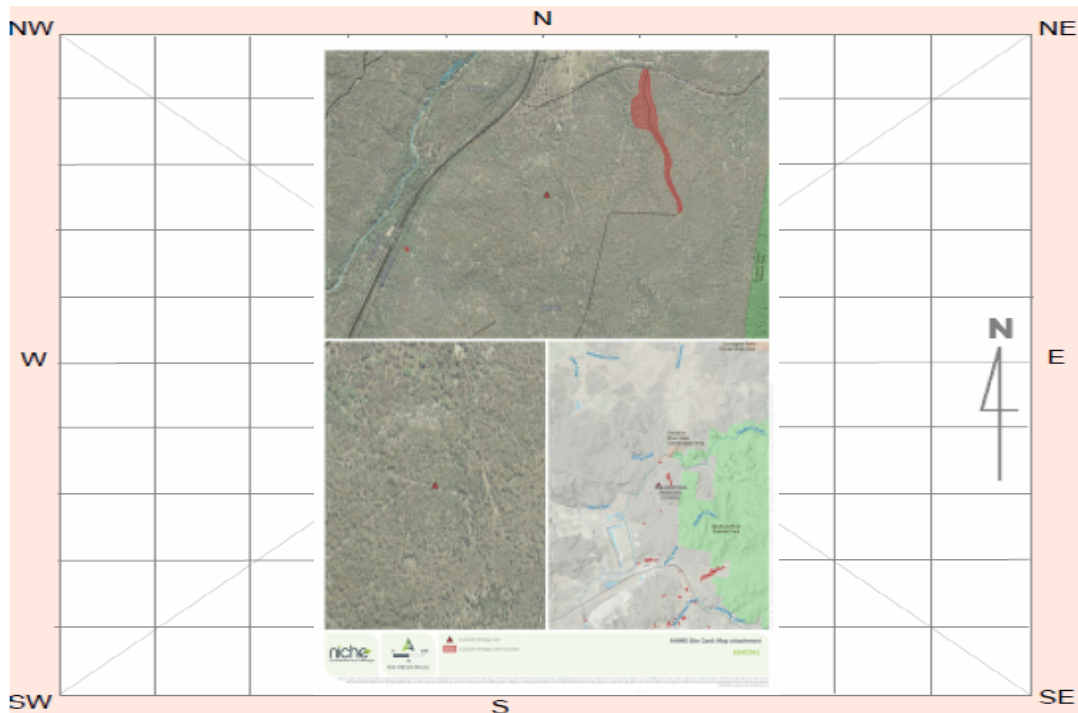
5.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Site plan



Site photographs



Description: Isolated find. Basalt axe fragment.



Description: Isolated find. Basalt axe fragment.



Description: Site Context Shot. Find located on side of access track. Facing west.



Description: Site Context Shot. Find located on side of access track. Facing north.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

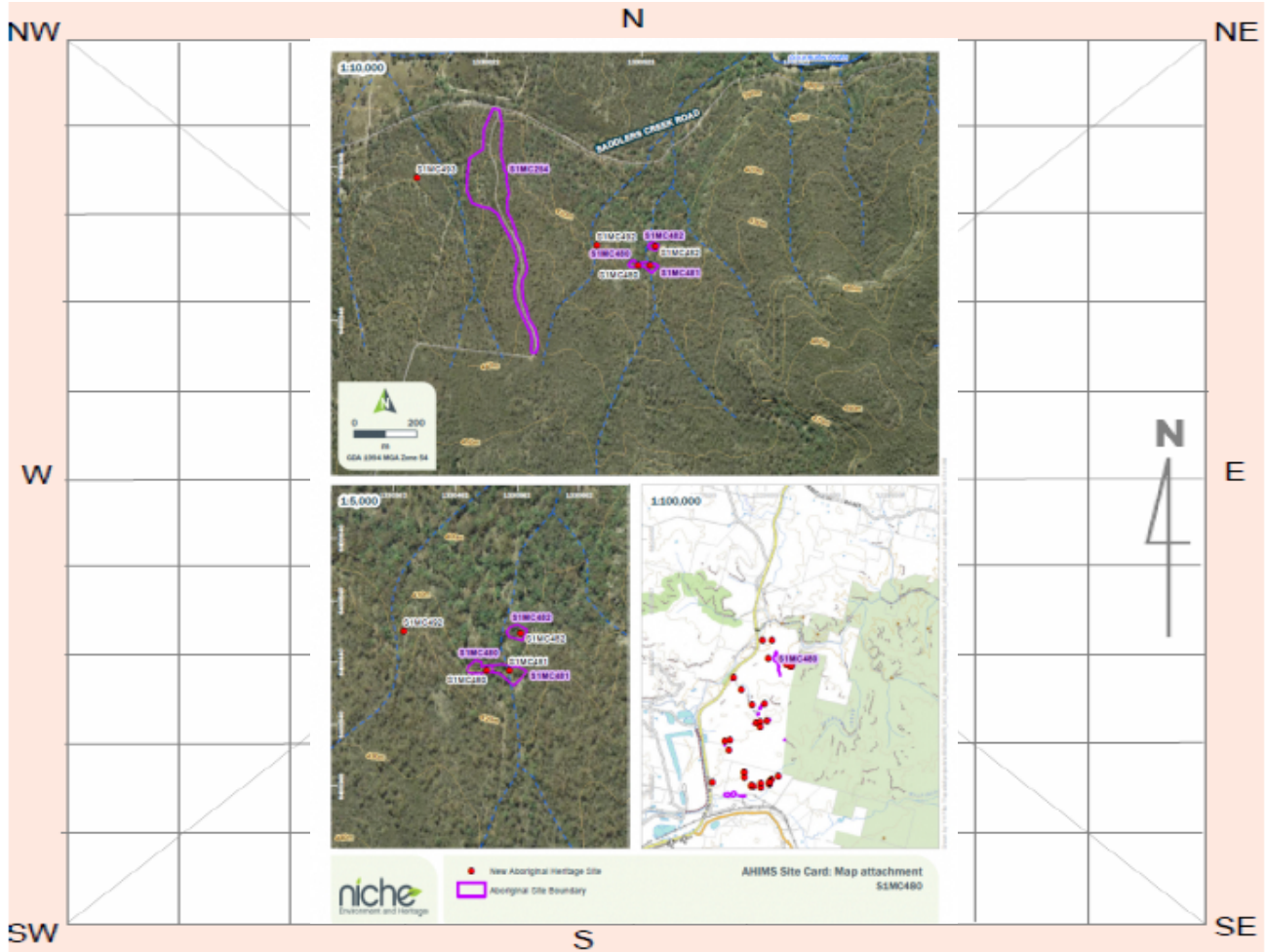
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
1	5.9	2.6

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Conglomerate sandstone shelter with horizontal bedding formed through cavernous weathering. Large blockfall evident at the front of the shelter. Stone floor with conglomerate quartz pebble sand in dipline.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
2	<input type="text"/>	<input type="text"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

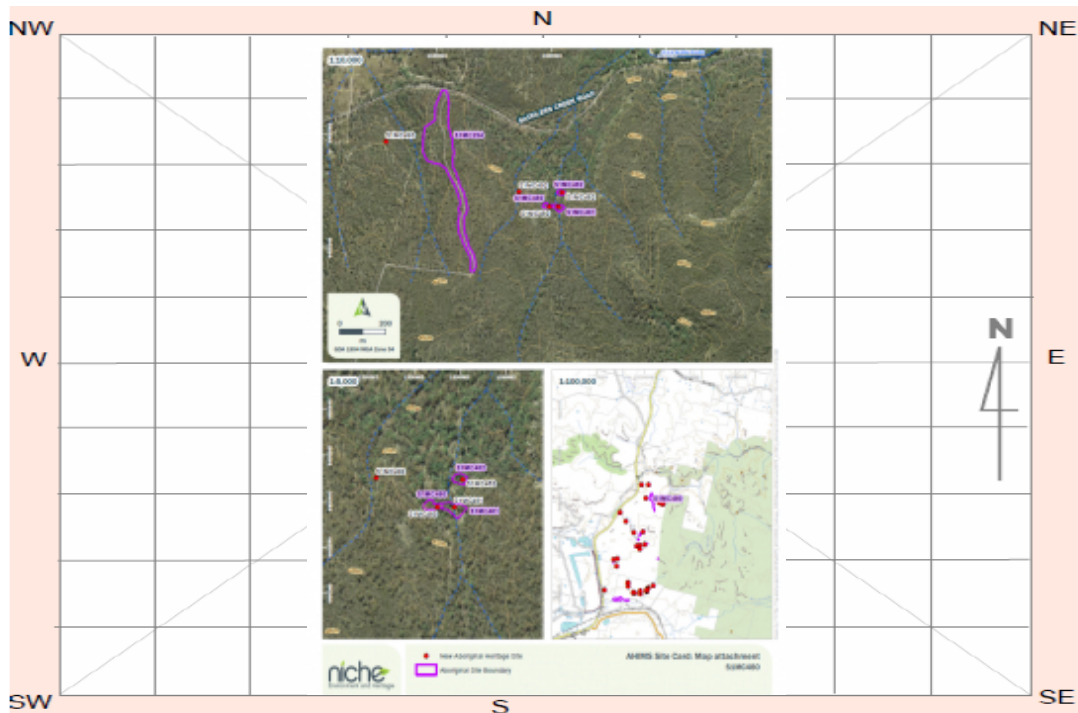
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

No artefacts identified.

Site plan



Site photographs



Description:

General photo of S1MC480



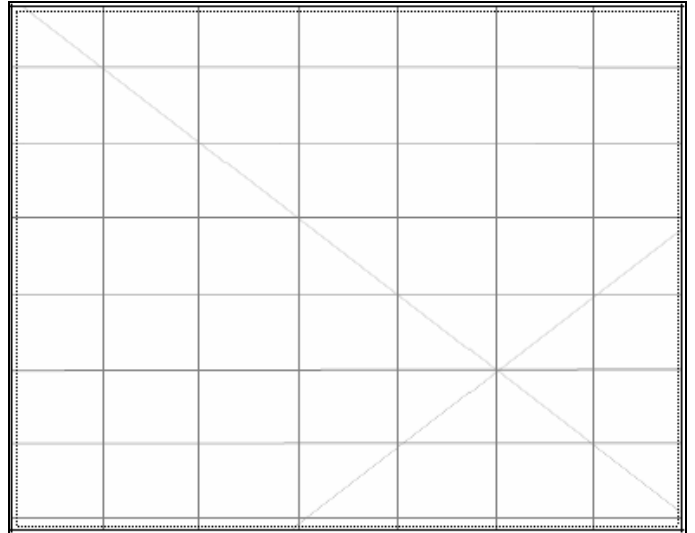
Description:

S1MC480 showing fire damage and block fall



Description:

General photo of S1MC480



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Todhunter"/>	<input type="text" value="Carly"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

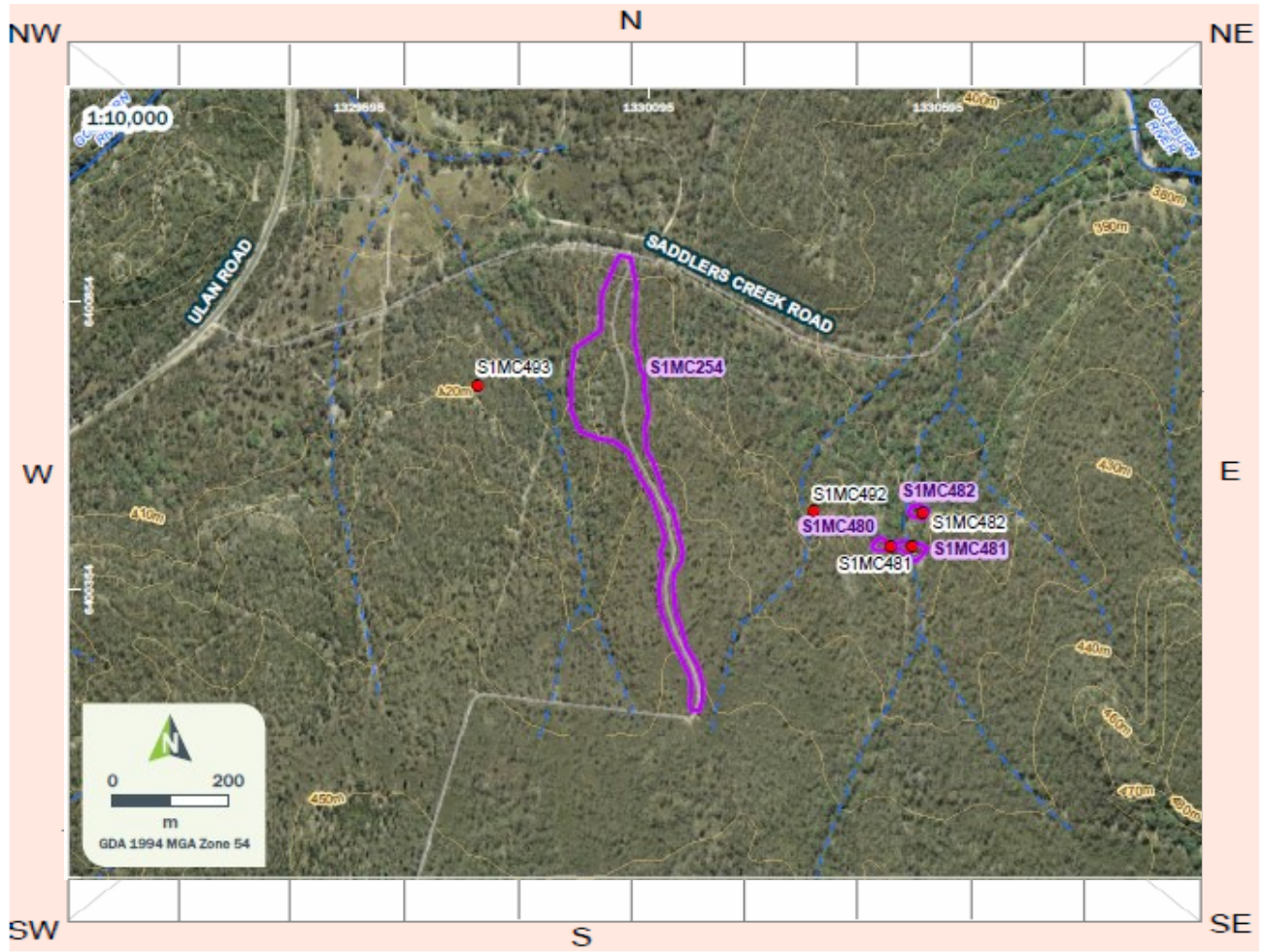
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

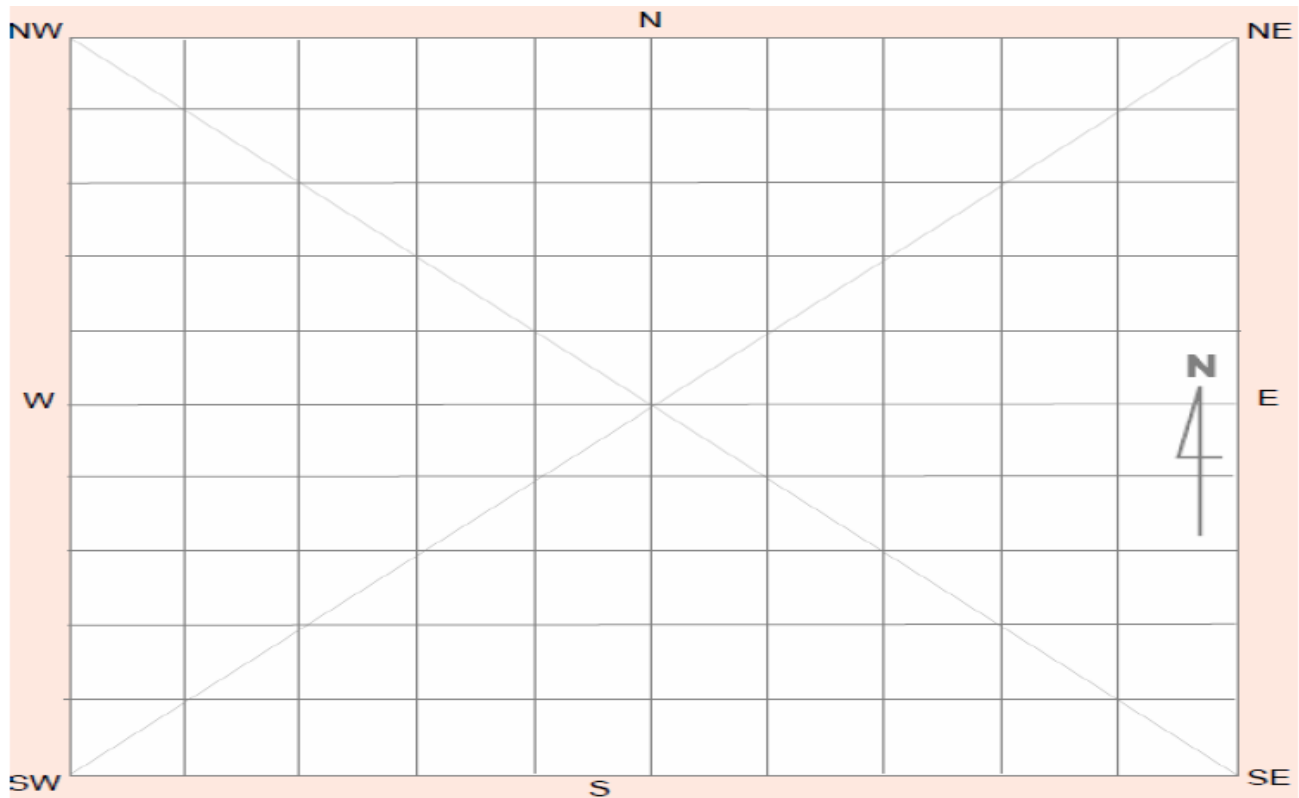
How to get to the site:

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)
--------------------	---------------------------------	---------------------------------

1.	<input type="text" value="Artefact"/>	<input type="text" value="1"/>	<input type="text" value="9"/>	<input type="text" value="9.5"/>
----	---------------------------------------	--------------------------------	--------------------------------	----------------------------------

Feature condition:

Description:

Isolated artefact located in deposit of sandstone shelter.

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
-----------------	---------------	------------	--------------

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
--------------------	---------------------------------	---------------------------------

2.	<input type="text" value="Potential Archaeological Deposit"/>	<input type="text"/>	<input type="text" value="9"/>	<input type="text" value="9.5"/>
----	---	----------------------	--------------------------------	----------------------------------

Feature condition:

Description:

Deposit in shelter approximately 1 4mm at dripline and 420 mm inside shelter. Shelter floor is flat at front of shelter near dripline.

Scarred Trees

Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
-----------------	---------------	------------	--------------

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
--------------------	---------------------------------	---------------------------------

3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----	----------------------	----------------------	----------------------	----------------------

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"/>
----------------------	----------------------	----------------------	----------------------

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

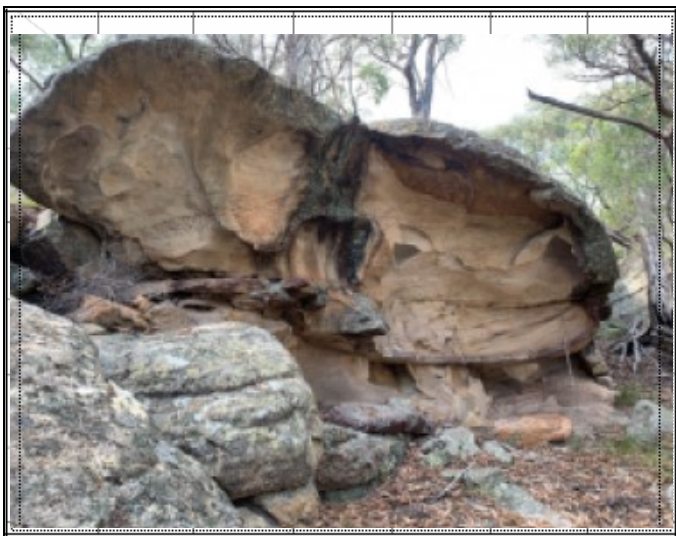
5.

Feature condition:

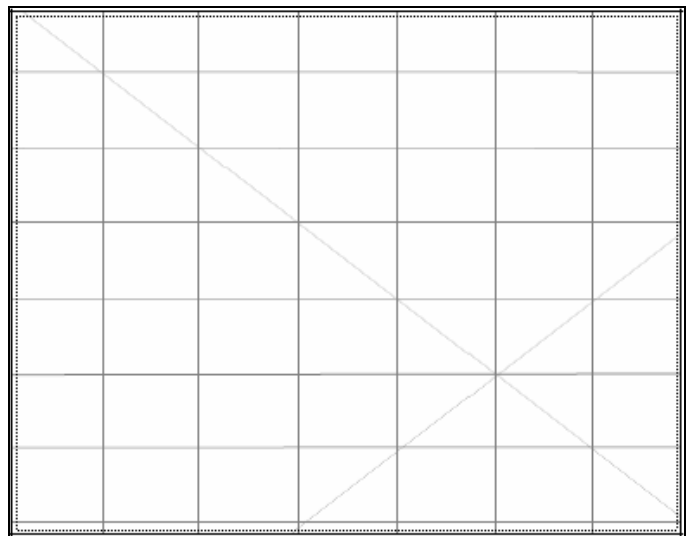
Description:

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

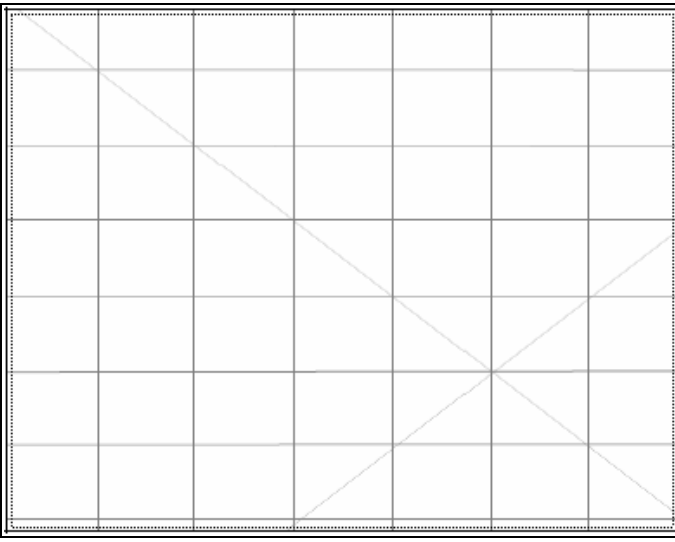
Site photographs



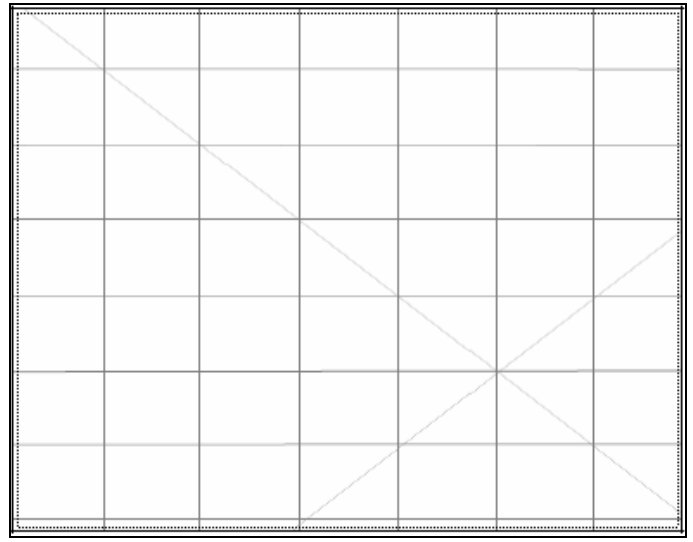
Description:



Description:



Description:



Description:

Site restrictions

Do you want to
Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

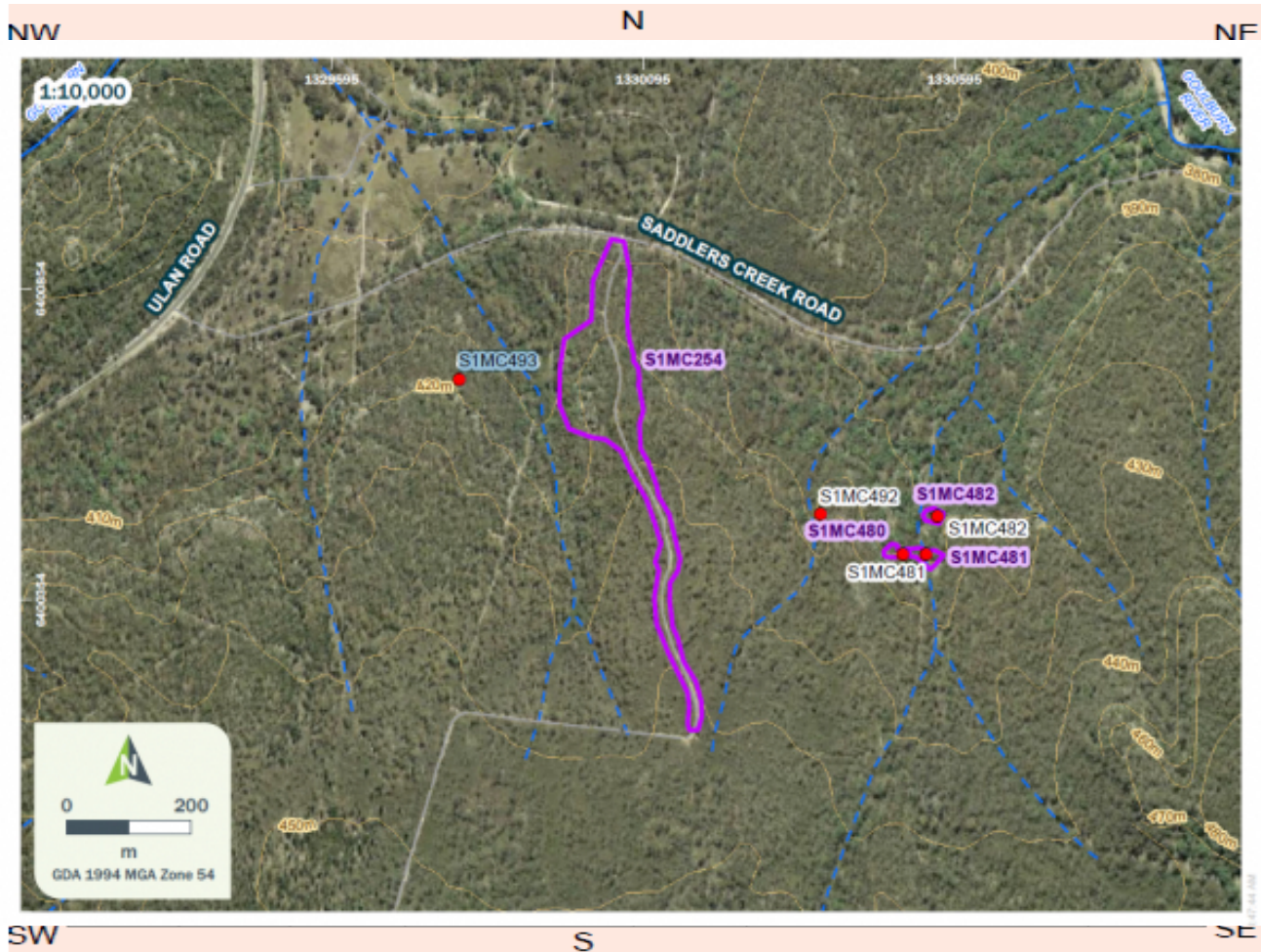
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)		
1.	Artefact	1	9	9.5

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Isolated artefact located in deposit of sandstone shelter. Deposit in shelter approximately 14mm at dripline and 420mm inside shelter. Shelter floor is flat at front of shelter near dripline.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

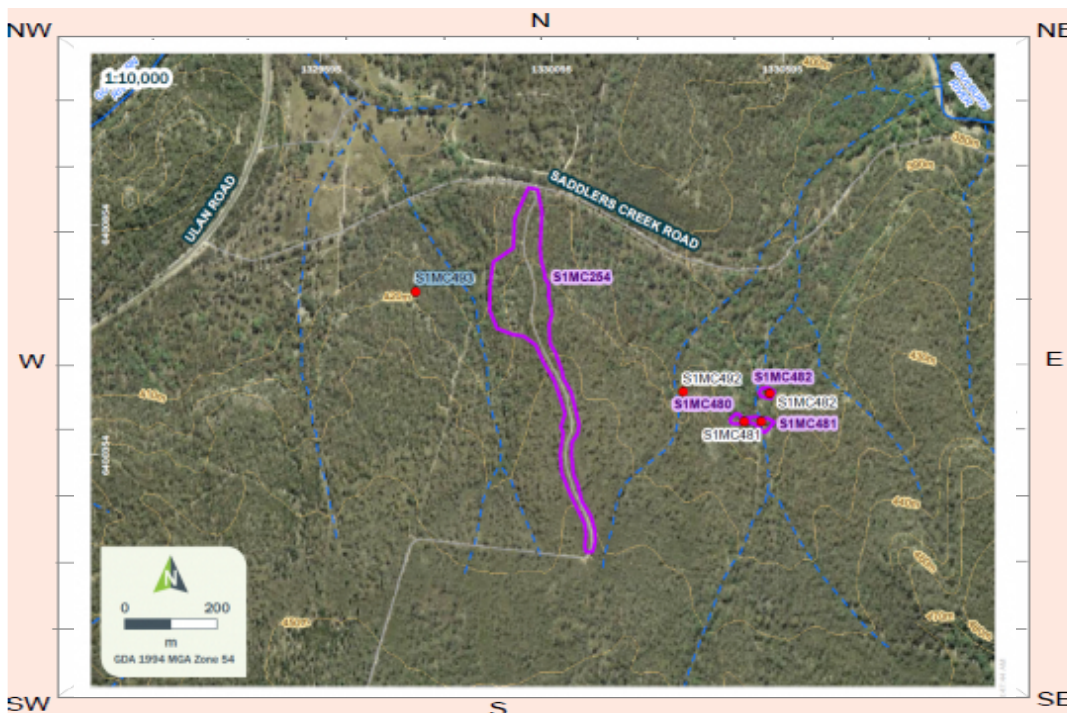
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Site previously recorded by Hamm (2006a) as in Survey unit UG4 T6 as MC1/RS1 as a Shelter with an Isolated Find and PAD and reported in Strata Engineering (2006).

Site plan

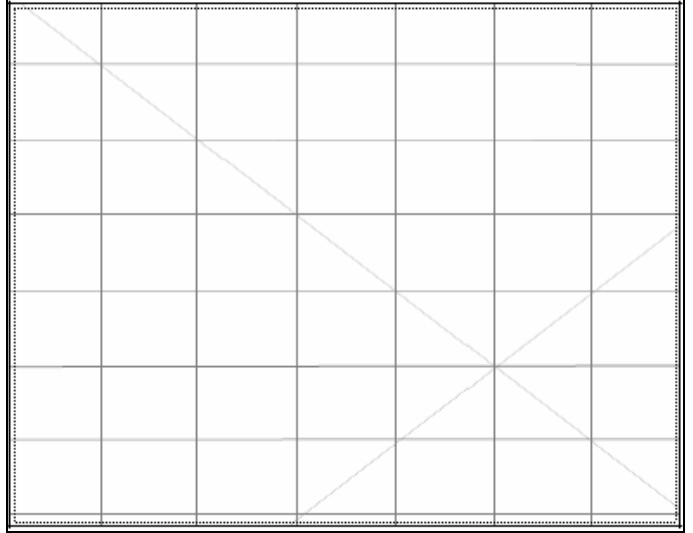


Site photographs

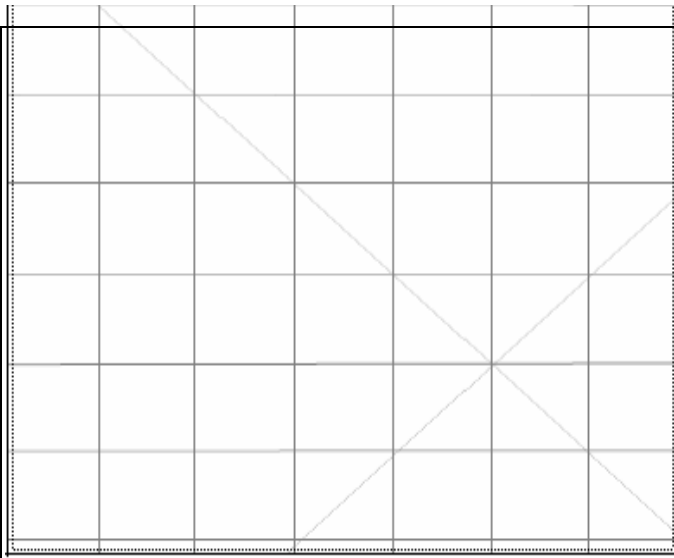


Description:

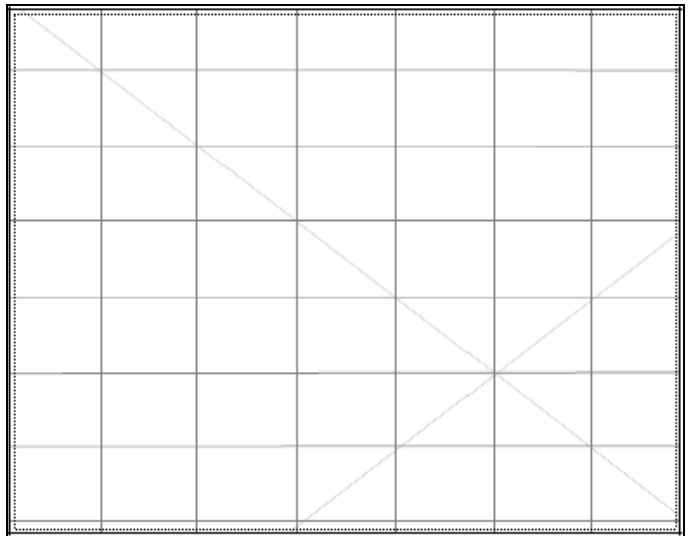
S1MC493 general location



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

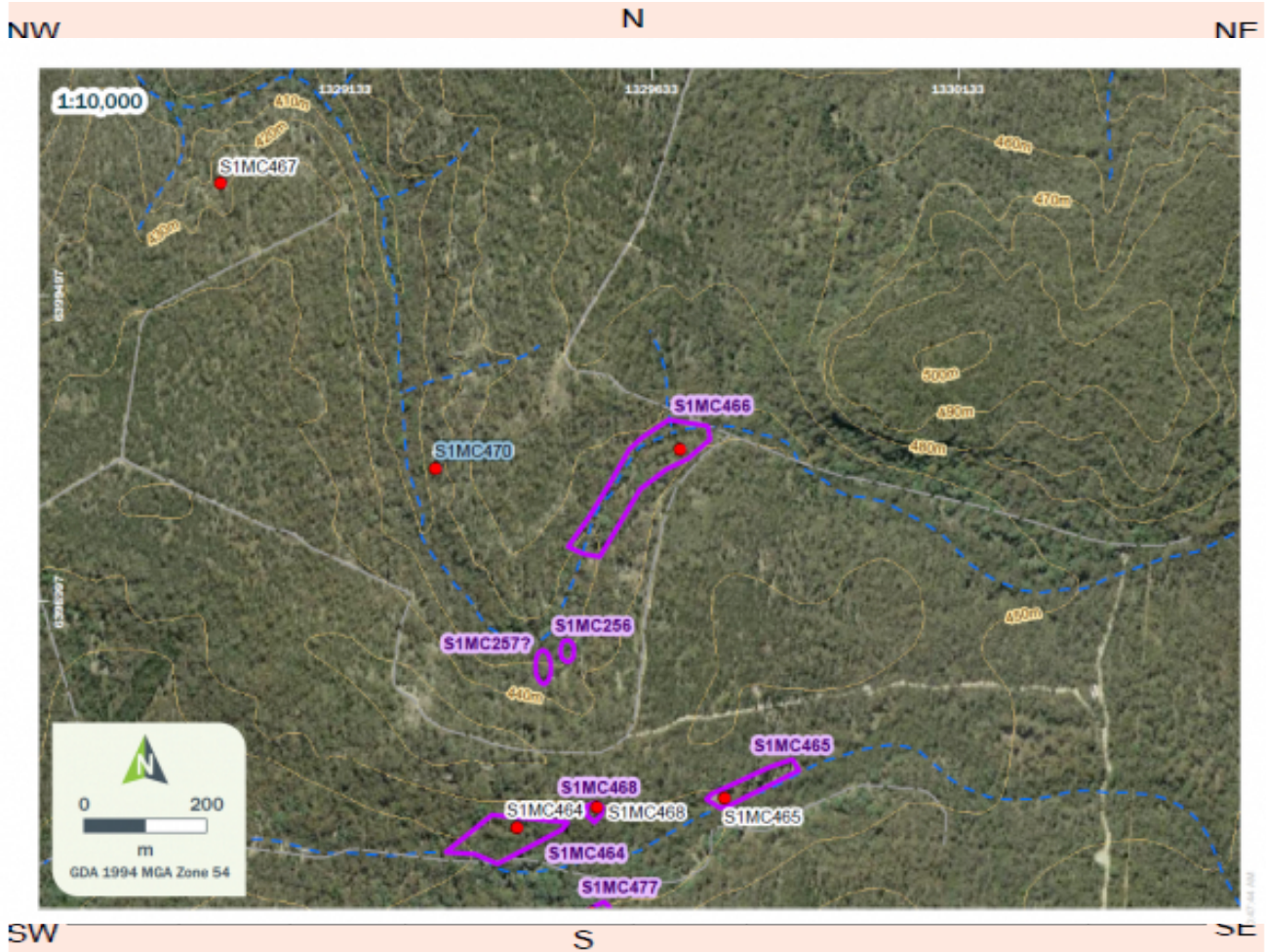
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

1.

Potential Archaeological Deposit

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Conglomerate sandstone outcrop with overhang and shelter, with horizontal bedding and ironstone banding. The PAD consists of exfoliated and sandy deposit, with a stone floor. The PAD is of low potential as it is sloped and disturbed from animal burrowing. Horizontal cracking between banding.

Features:

2.

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

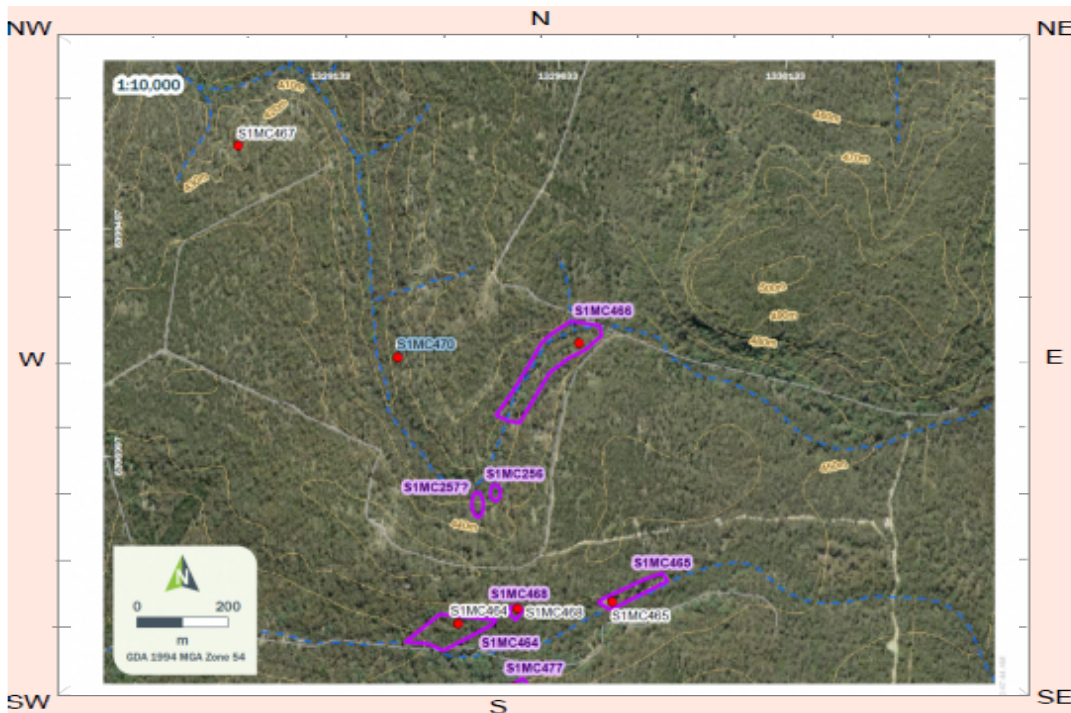
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Vertical cracking present through the eastern rear wall of the shelter. Active, rapid weathering. Tree roots spreading through shelter bedding.

Site plan



Site photographs



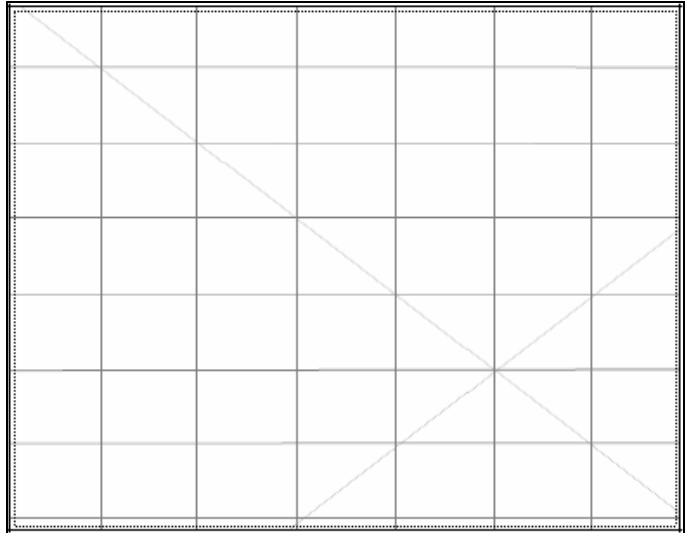
Description:



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

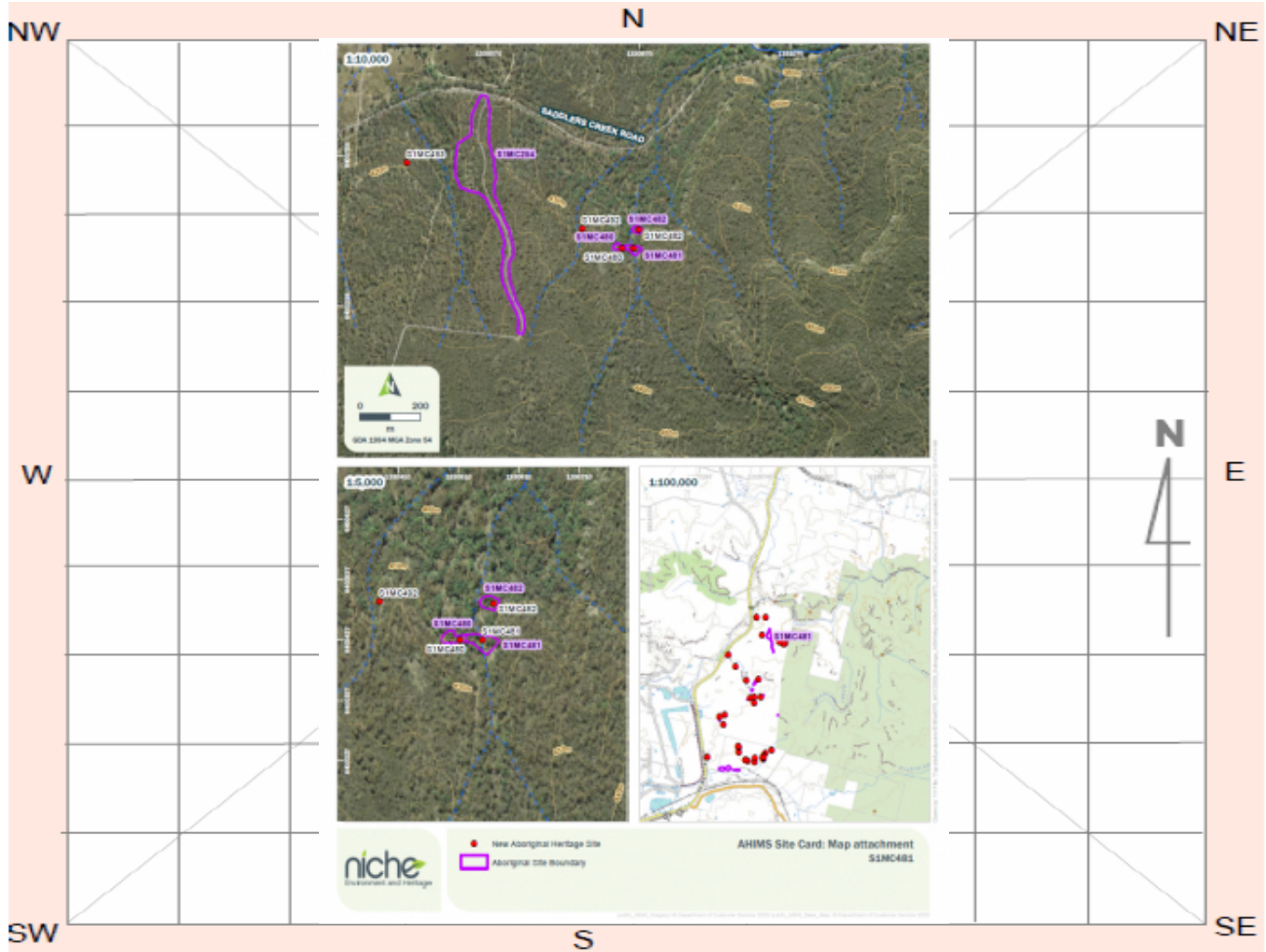
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

1.	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
	<input type="text" value="Potential Archaeological Deposit"/>	<input type="text" value=""/>	<input type="text" value="3.9"/>	<input type="text" value="3"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Description:

Continuous overhang along gully at head with waterfall. Fine conglomerate sandstone overhang/shelters with horizontal bedding of ironstone. Sandy deposit overlay from active weathering over stone base of deposits. 20 cm deposit depth at front of shelter and <10cm at rear.

Features:

2.	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
	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

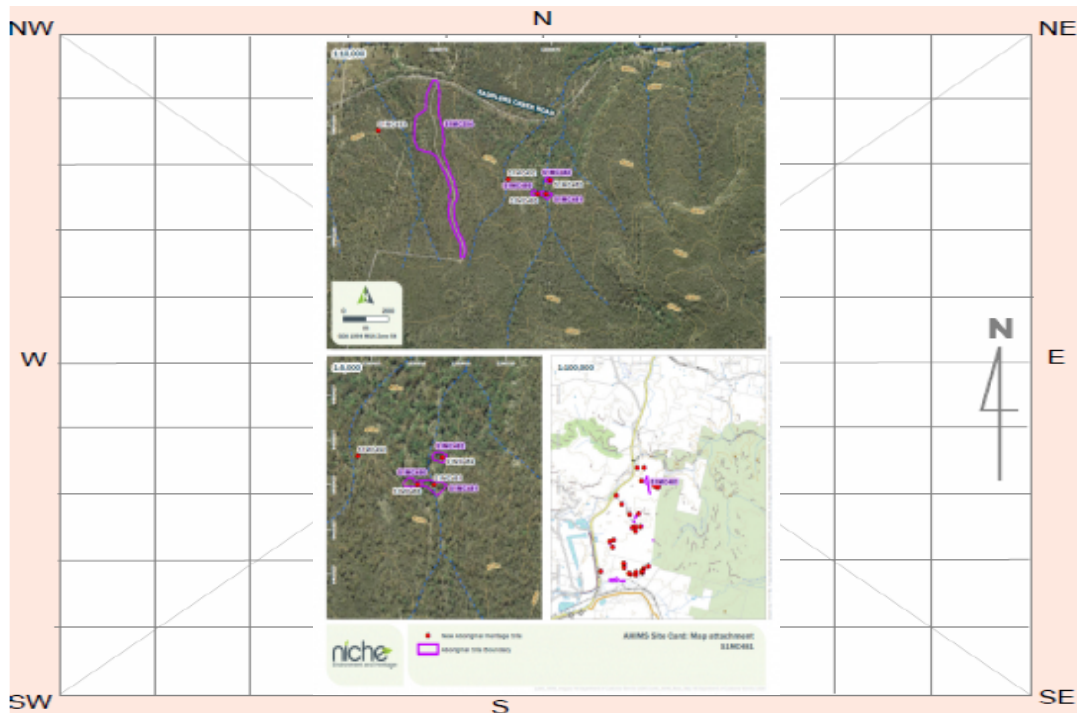
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

No artefacts identified. Aesthetically appealing location. Very active weathering occurring.

Site plan



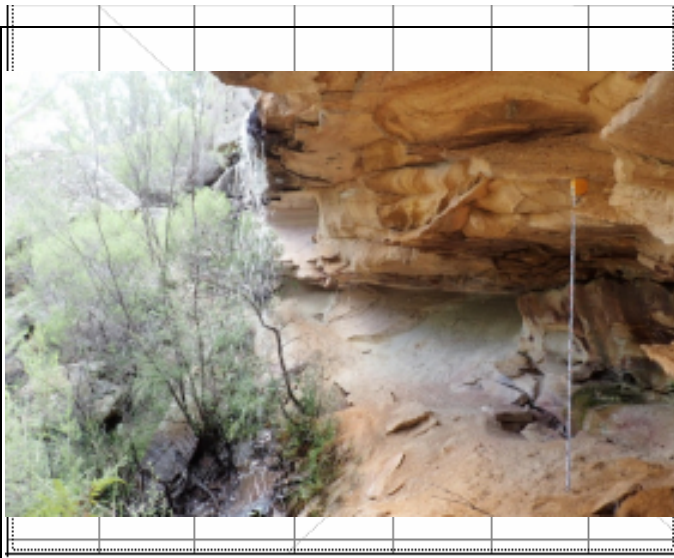
Site photographs



Description: General photo of site S1MC481, facing south.



Description: General photo of site S1MC481, facing east.



Description: general photo of site S1MC481, facing east.



Description: general photo of site S1MC481, facing east.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

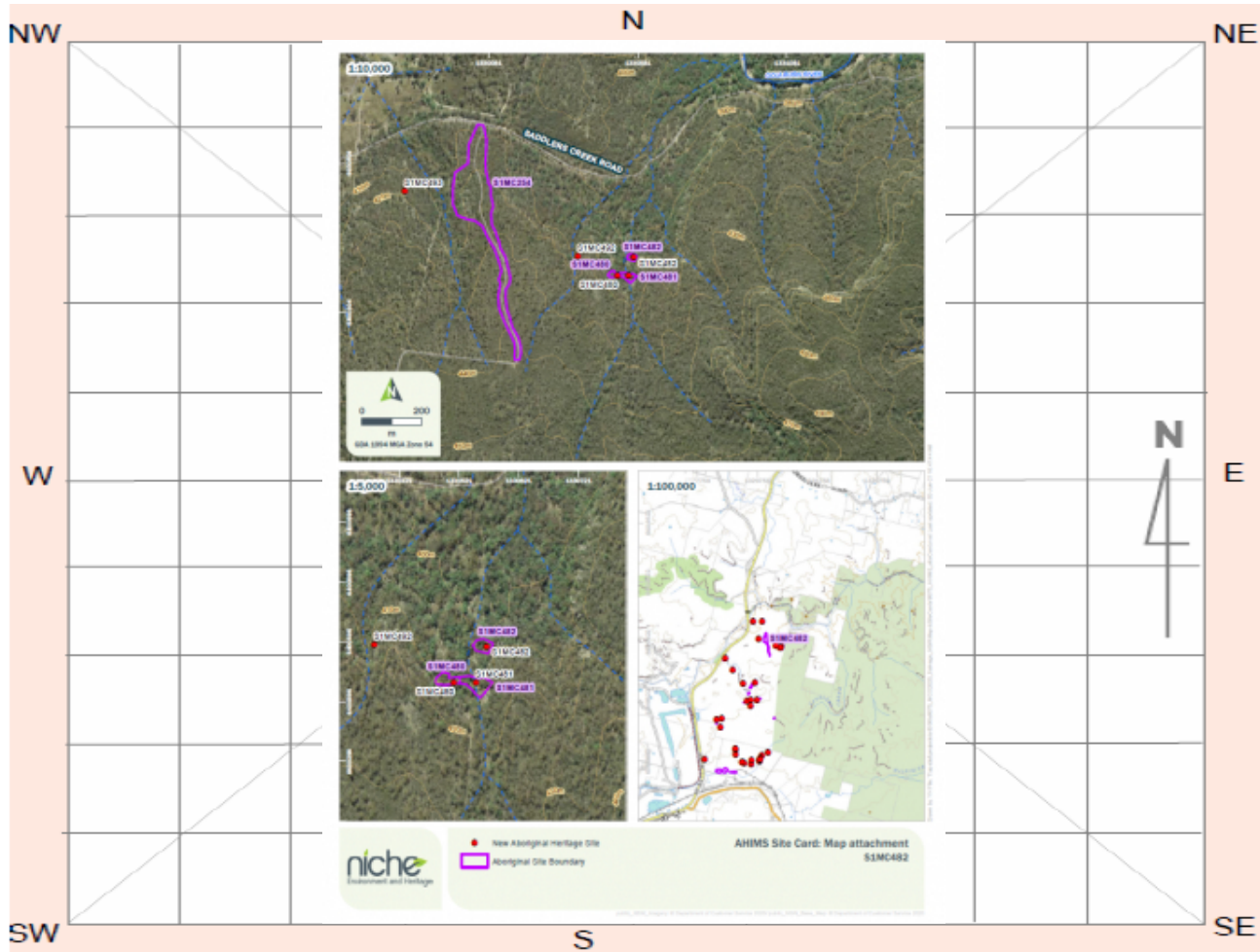
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
1. <input type="text" value="Artefact"/>	<input type="text" value="7"/>	<input type="text" value="6"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

S1MC482 consists of a conglomerate sandstone outcrop with Potential Archaeological Deposits. PAD consists of Sandy floor with some blockfall, subsurface ash and charcoal. Ash discovered in shelter and continued to depth of 10cm. 7 stone artefacts were identified within the shelter and dripline.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
2. <input type="text" value="Potential Archaeological Deposit"/>	<input type="text"/>	<input type="text" value="6"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

The interior of the shelter comprises of horizontal bedding of sandstone conglomerate and ironstone sheeting. Tabular fissures are occurring in the ironstone bedding. The PAD consists of a sandy floor with some blockfall. Subsurface ash and charcoal could possibly indicate fireplace

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

5.

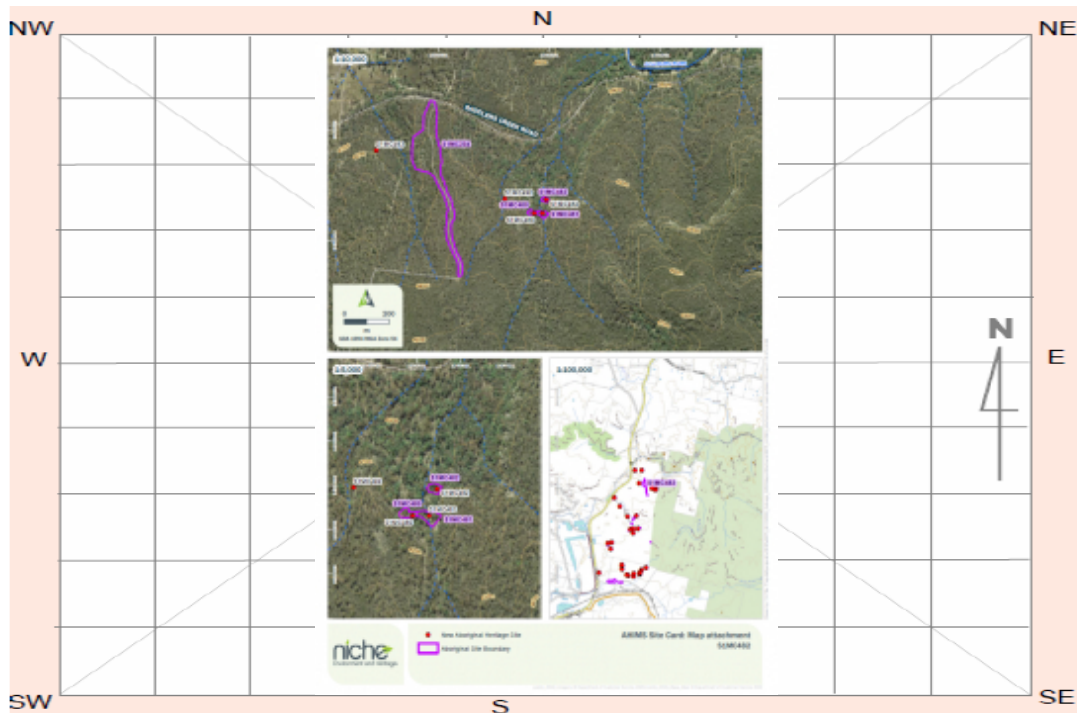
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Conglomerate sandstone outcrop with continuous overhang and horizontal bedding. Sheeted ironstone banding at rear of shelter curving up. Ironstone bedding has tabular fissuring.

Site plan



Site photographs



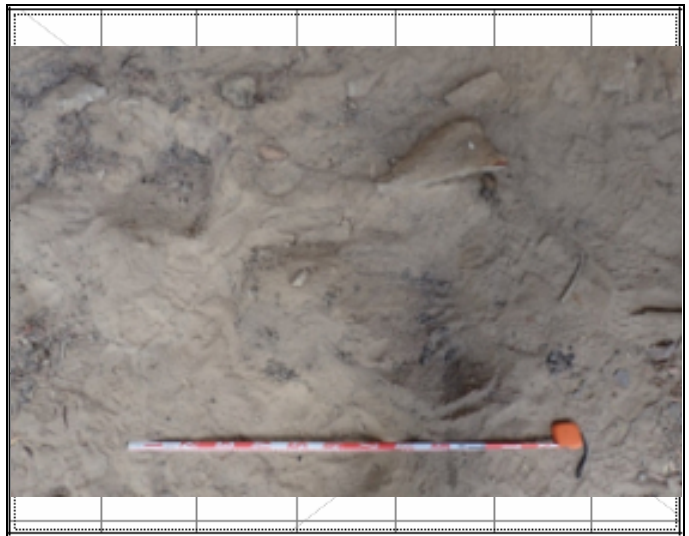
Description: General photo of site S1MC482, facing east.



Description: General photo of site S1MC482, facing south.



Description: Site S1MC482 stone artefacts located in dripline.



Description: Site S1MC482 Charcoal evident within PAD.

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA (MGA)

Horizontal Accuracy (m):

Zone: Location method:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Ms."/>	<input type="text" value="Freeman"/>	<input type="text" value="Chelsea"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

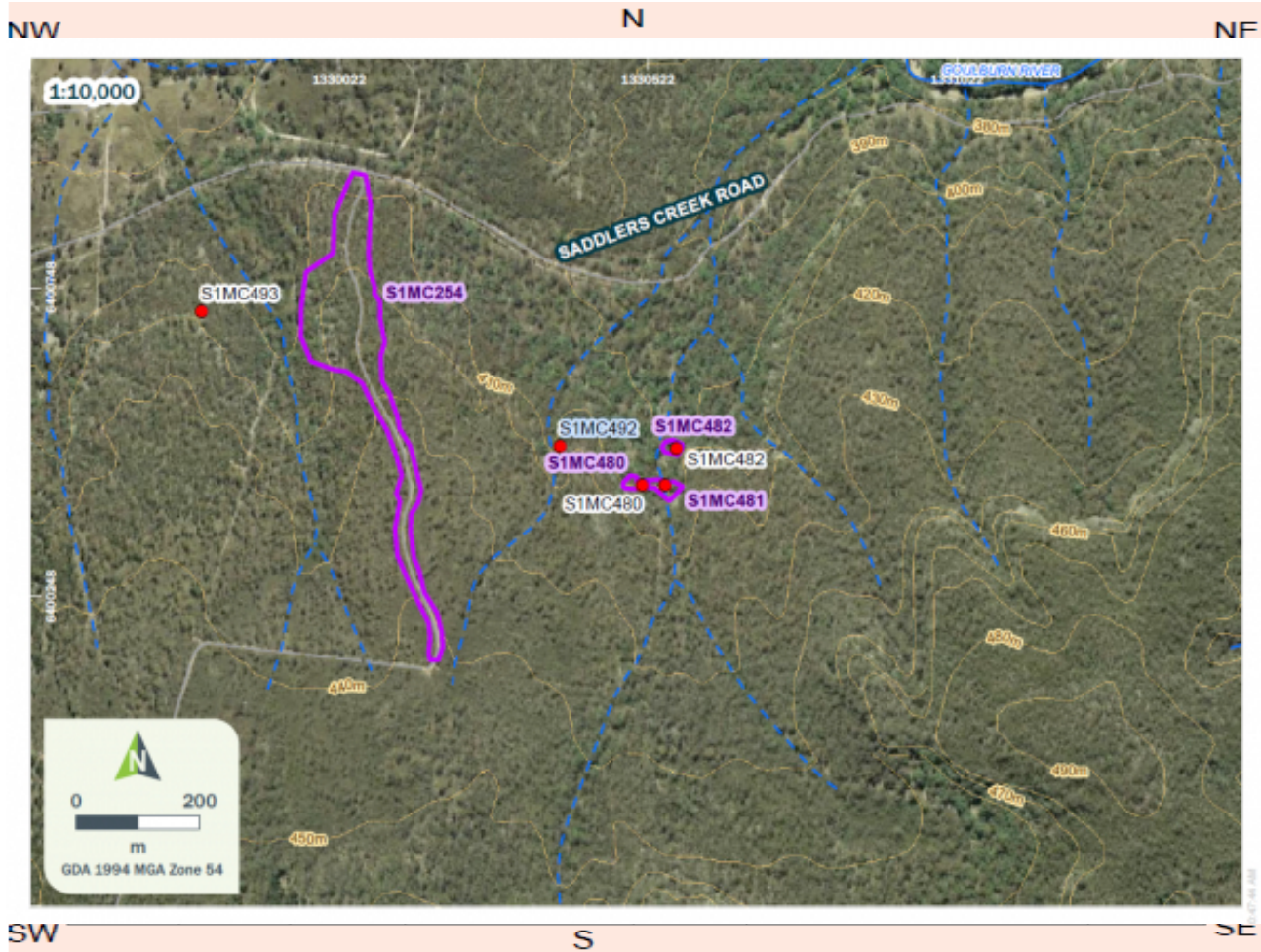
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

How to get to the site:

Other site information:

Site location map



Site contents information

open/closed site:

Site condition:

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
1. <input type="text" value="Artefact"/>	<input type="text" value="2"/>	<input type="text" value="5"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

S1MC492 is an open artefact scatter comprising two quartz bipolar cores on a ridgeline, midslope, overlooking a gully with a drainage line. The stone artefacts are visible in and sheetwash exposure within shallow siliceous sandy soils. The drainage line continues north towards Saddlers Creek Road.

Features:

Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)
2. <input type="text"/>	<input type="text"/>	<input type="text"/>

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

4.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Features:

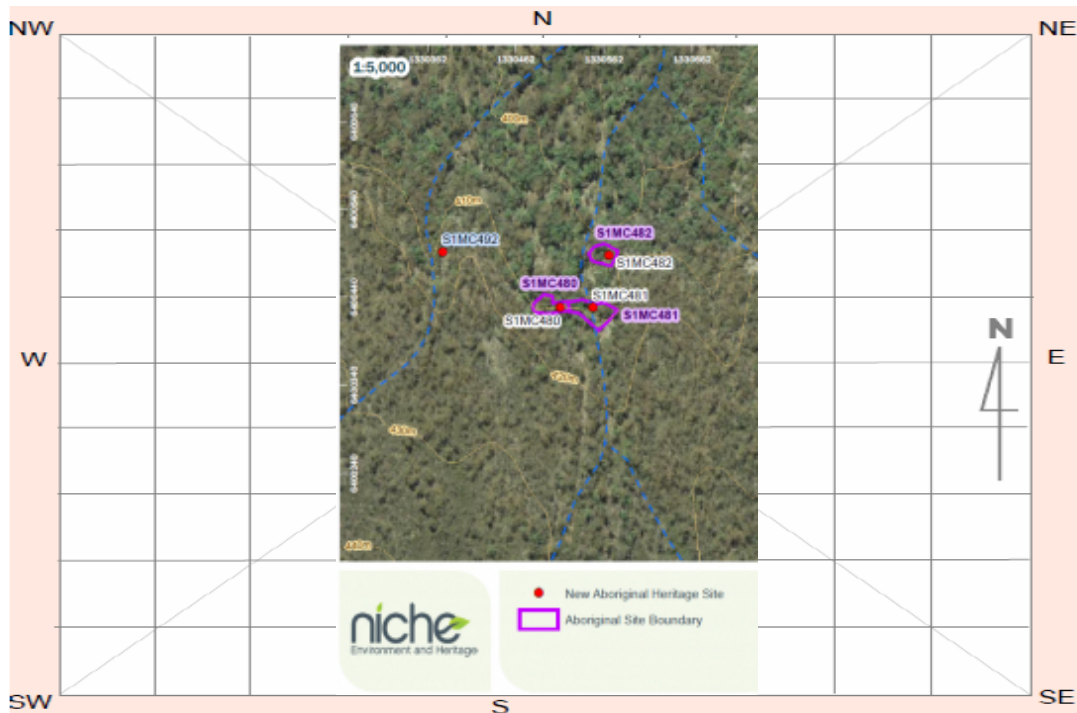
5.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description:

Other Site Info:

Site plan



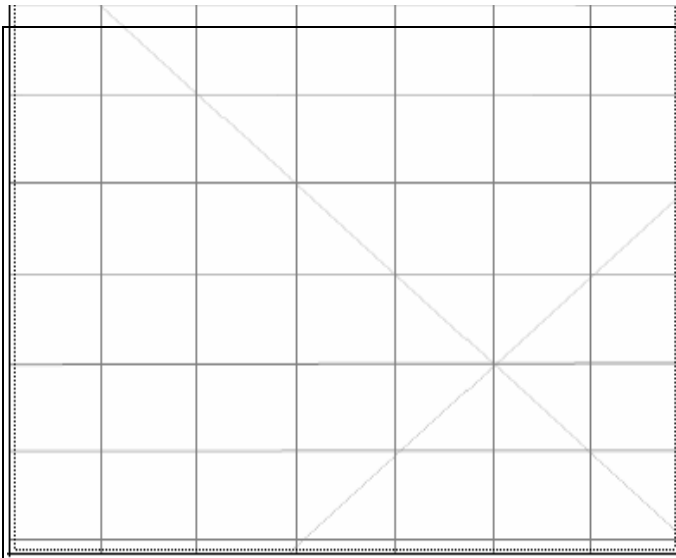
Site photographs



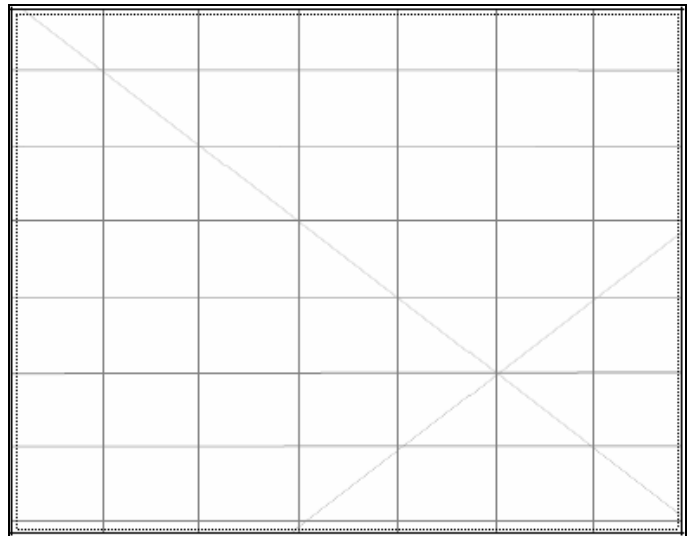
Description:



Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

AHIMS site ID:

Date recorded:

Site Location Information

Site name:

Easting: Northing: Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

Zone:

Recorder Information

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text" value="Mr."/>	<input type="text" value="Reeves"/>	<input type="text" value="Jamie"/>

Organisation:

Address:

Phone: E-mail:

Site Context Information

Land Form Pattern: Land Use:

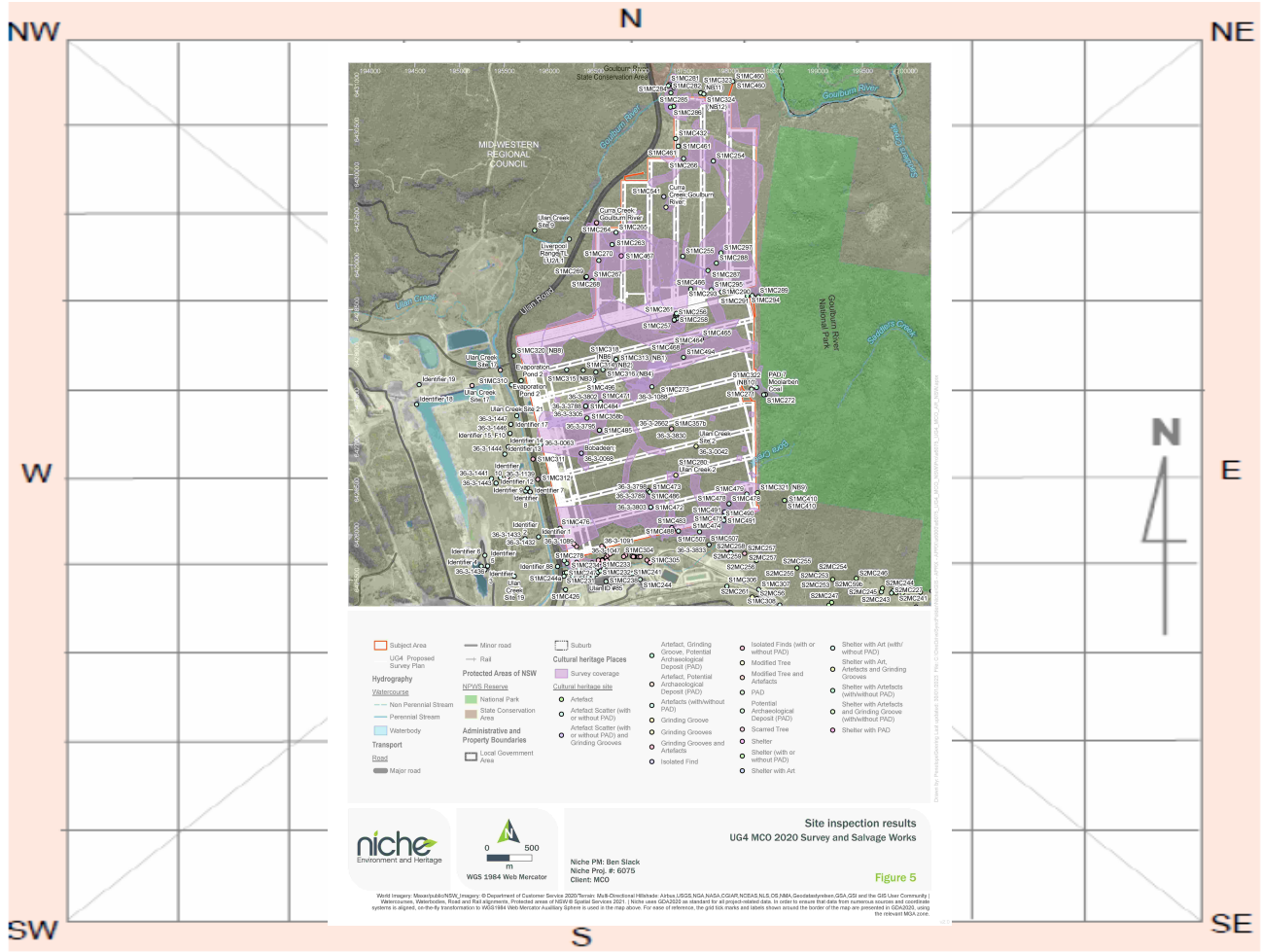
Land Form Unit: Vegetation:

Distance to Water (m): Primary Report:

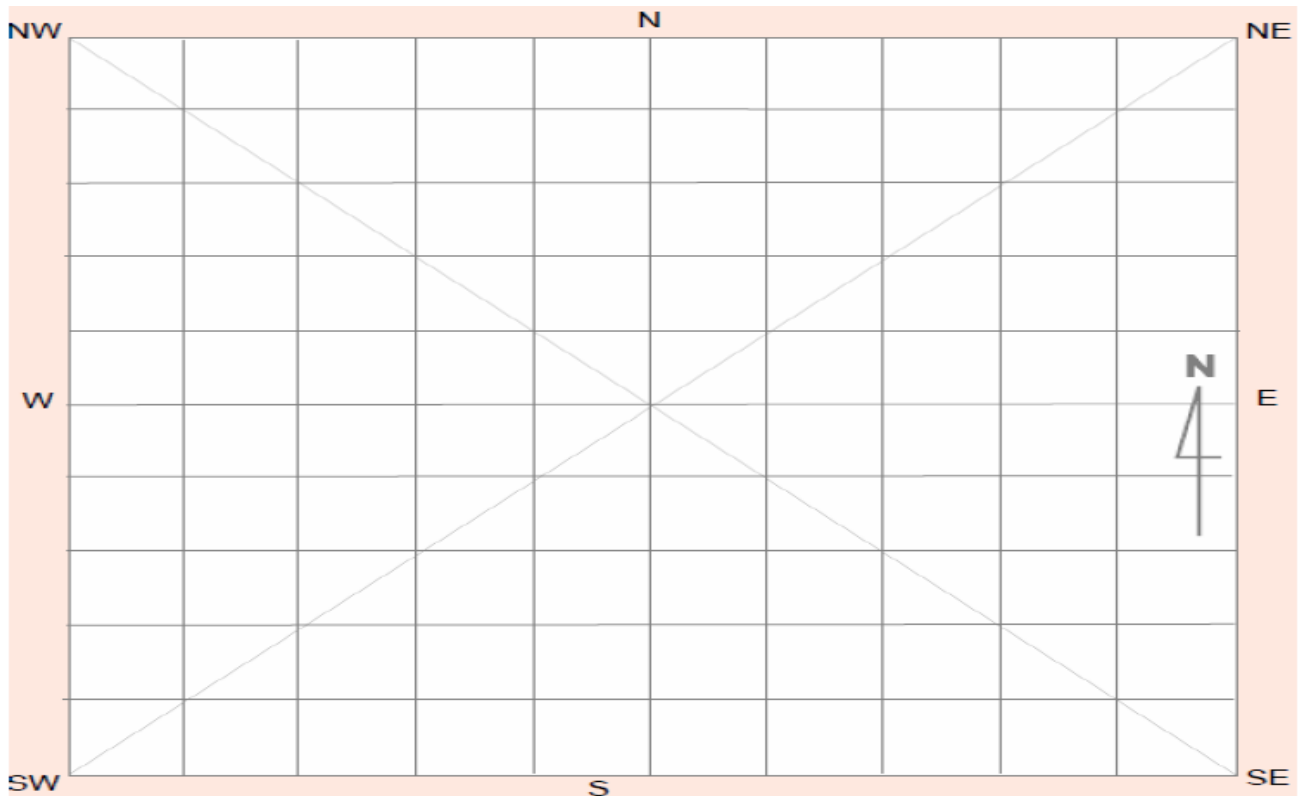
How to get to the site:

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)

1.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Feature condition:

Description:

Where deposit is present, it is approx., 5mm in depth at the dripline.

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

2.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
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Feature condition:

Description:

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

3.

Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<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)

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"/>

Features:

Number of features Length of feature(s) extent (m) Width of feature (s) extent (m)

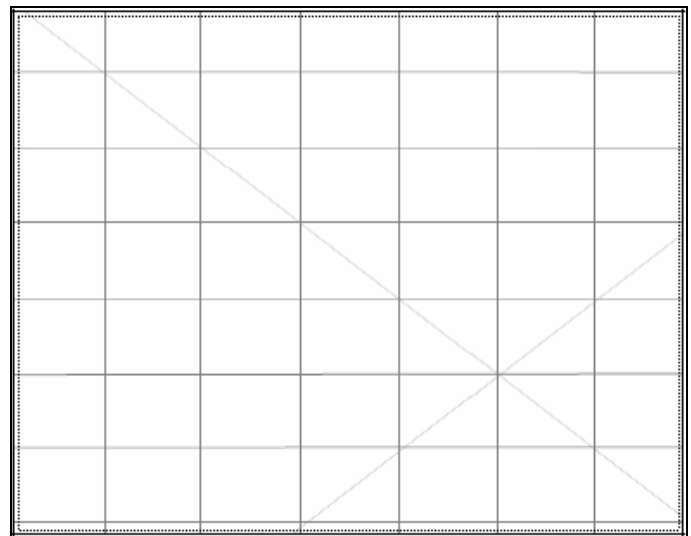
5.

Feature condition:

Description:

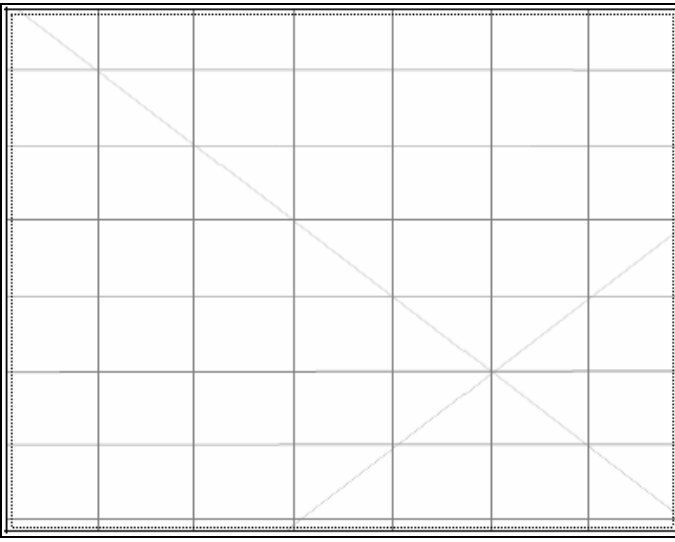
Scarred Trees			
Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Site photographs

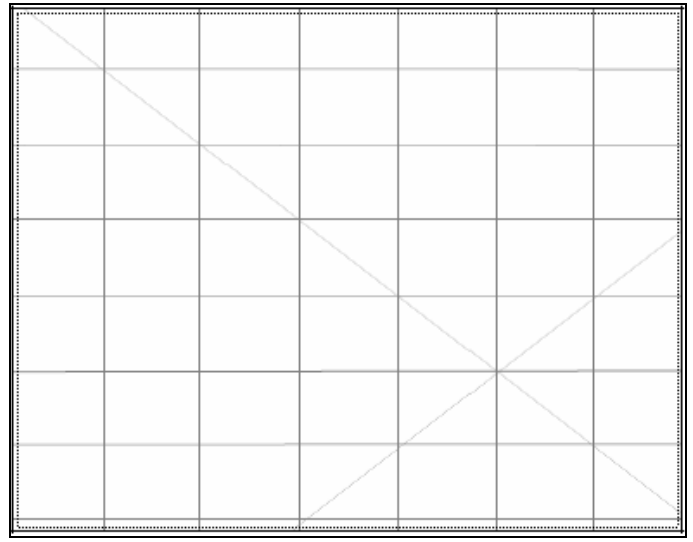


Description:

Description:



Description:



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender N/A General Location

Why is this site restricted?:

Further information contact

Title Surname First name

Organisation:

Address:

Phone: E-mail:

Site interpretation and community statement



14 Annex 3

14.1 Site details for sites situated within the Subject Area

14.1.1 S1MC254 (AHIMS ID# 36-3-1069)

The site is located on a ridge crest on an undulating plain landform. The site consists of an artefact scatter comprising two quartz artefacts recorded along a vehicle track. The site is in poor condition due to disturbance and has been identified to be of low archaeological significance.

In accordance with Section 5.5.3 of the complex-wide HMP, Niche has carried out a surface collection of the site in August 2017. The surface collection was required to be completed prior to surface disturbance associated with construction works.



Plate 1: S1MC254 site overview (AHIMS ID#36-3-1069) during the salvage works in August 2017

14.1.2 S1MC255 (AHIMS ID# 36-3-1070)

The site was initially recorded as an isolated find comprising a single tuff distal fragment located on a ridge crest, in a moderately sloped undulating plain landform. The site is in poor condition and has been assessed to be of low archaeological significance. Four silcrete artefacts were later identified at the site (as recorded in an update to the site card [Annex 2]). In 2011, AECOM undertook community collection and limited subsurface investigation of a PAD adjoining the site. A total of 2 quartzite artefacts were collected from the surface. A 1 m x 1 m test pit was hand excavated in an area adjoining the vehicle track however no artefacts were recovered. Given the absence of artefacts in the test pit, AECOM and the Aboriginal stakeholders present determined that there was little subsurface archaeological potential at the site (AECOM 2011).

14.1.3 S1MC263 (AHIMS ID# 36-3-1078)

The site consists of an isolated quartz flake on the edge of a drainage channel, within a gentle undulating plain landform. The site was assessed to be of low archaeological significance and in poor condition at the time of recording.

14.1.4 S1MC265 (AHIMS ID# 36-3-1080)

The site comprises a shelter with artefacts. The shelter extends 10 m x 4.4 m and 1.6 m. The site was recorded in 2007 by Hamm (2006), who assesses that the shelter contains no archaeological deposit. The artefact scatter comprises 2 quartz artefacts found within the dripline of the shelter. The site is in poor condition and of low archaeological significance.



14.1.5 S1MC266 (AHIMS ID#36-3-1081)

The site comprises a shelter with isolated artefact. The rock shelter is located on a ridge crest of an undulating plain landform and measures 11.6 m x 4.3 m and 3 m in height. The shelter has a sandy floor sloping down to the east with an exposed rock surface at its rear. The site was recorded in 2005 by Strata Engineering who identified one quartz flake situated outside of the shelter. The site is in poor condition and was assessed to be of low archaeological significance.

14.1.6 S1MC267 (AHIMS ID# 36-3-1082)

The rock shelter measures 4.6 m x 2.2 m and 2.0 m in height. The site was recorded by Strata Engineering in 2004, who identified 10 stone artefacts located outside of the shelter. The rock shelter is relatively level at the dripline and comprises a gravelly floor. The site was initially assessed to be of low archaeological significance. The site has since been reassessed by Niche (2024b) to be in poor condition and of moderate archaeological significance.



Plate 2: S1MC267 shelter interior, (AHIMS ID#36-3-1082) (Source: Hamm 2006a).



Plate 3: S1MC267 shelter floor (AHIMS ID# 36-3-1082) (Source: Hamm 2006a).

14.1.7 S1MC270 (AHIMS ID# 36-3-1085)

The site is located on the middle of a ridge slope within an undulating plain landform. The site consists of a single quartz core. It was assessed to be in poor condition and was assessed by Hamm (2006) to be of low significance.

14.1.8 S1MC285 (AHIMS ID# 36-3-1099)

S1MC285 comprises of a sandstone outcrop with overhang and shelter located at the top of a ridgeline, overlooking a creek with views towards Ulan and Goulburn. The site was originally recorded by ARAS in 2006. During a 2006 survey, Strata Engineering photographed the shelter and identified three artefacts. The shelter was recorded as 14.8 m x 4.4 m and 5.0 m in height and containing rock art, consisting of hand stencil rock art and one recognizable lizard motif. The site was identified to be in poor condition and assessed to have low archaeological potential.

Niche completed an additional assessment in August 2023 and identified two stone artefacts and an area of PAD. S1MC285 consists of a horizontal bedding of sandstone and thin bands of ironstone. It has formed through cavernous and acidic weathering and block fall. The shelter floor consists of a sandstone floor with a sandy deposit, approximately 30 cm deep, mixed with conglomerate pebbles. A pink quartzite core was identified in the PAD by Niche, along the dripline of the shelter, along with a broken quartz flake. A stone-lined modern



fireplace has been constructed in the northern corner of the shelter, with modern rubbish also present. Niche's reassessment identified the site in poor condition and of low archaeological significance.

Notably, during the site verification of UG4 LW409-14 it was identified that the site card description of S1MC285 is incorrect as it describes art features (hand stencils, 74 European graffiti and a lizard motif) which are in fact features properly associated with S1MC284 (AHIMS ID# 36-3-1098).



Plate 4: S1MC285 site overview (AHIMS ID#36-3-1099).



Plate 5: S1MC285 shelter overview (AHIMS ID#36-3-1099).



Plate 6: S1MC285 shelter interior (AHIMS ID#36-3-1099).



Plate 7: S1MC285 shelter interior (AHIMS ID#36-3-1099).

14.1.9 S1MC287 (AHIMS ID# 36-3-1101)

The shelter extends 6.6 m in length and 5.5 m in height and was assessed to be in poor condition at the time of its registration in AHIMS. A total of 28 artefacts were identified out the front of the shelter and the site has high archaeological significance. A PAD comprising a skeletal sandy deposit has been identified in the site card record.



Plate 8: S1MC 287 site overview (AHIMS ID#36-3-1101)



Plate 9: S1MC 287 shelter interior (AHIMS ID#36-3-1101)

14.1.10 S1MC288 (AHIMS ID# 36-3-1102)

The shelter is 39.8 m x 5 m, with a height of 5.7 m. The site was identified as in fair condition, located in a moderate mid-slope landform. A retouched tuff flake has been identified in front of the shelter adjacent to a tree in 2007. A second artefact was identified in August 2023. The shelter floor was identified to have no discolouration of soil sediments however oxidation was evident on the shelter wall. Strata Engineering highlighted it may be a sign of possible ochre deposits. The site card indicates that the site has potential to contain a PAD.

ARAS (2006) and Niche (2024b) both confirm that the archaeological significance is low.

14.1.11 S1MC297 (AHIMS ID# 36-3-1111)

The shelter site is located on a mid-slope of a gentle rolling hills landform. The shelter measures 19.3 m in length, 2.8 m in width and 4.5 m in height. An artefact scatter has been identified in front of the shelter extending approximately 20 m x 3 m.

The site was reinspected by Niche (2023b) that identified 5 stone artefacts in front of the shelter. The shelter was found to comprise a sandy floor deposit, which indicates the potential for an archaeological deposit. The site is in poor condition and has been assessed to be of low archaeological significance.

14.1.12 S1MC324 (AHIMS ID# 36-3-2597)

The site comprises a quartz flake situated on a ridge slope on an existing vehicle track within the northern portion of the Subject Area. During a previous salvage program undertaken in March 2011, an attempt was made to relocate the isolated find associated with the site however no artefacts were identified at the recorded location (AECOM 2011: 17). In accordance with Section 5.5.3 of the HMP, the site is considered to have been sufficiently salvaged.

14.1.13 S1MC432 (AHIMS ID# 36-3-3236)

The site is located on a rolling hills plain landform, identified on a vehicle access track. The artefact scatter comprises 3 quartz artefacts in the exposure, identified 100m north of Saddlers Creek Road. The site is in poor condition and has been assessed to be of low archaeological significance.



14.1.14 S1MC461 (AHIMS ID# 36-3-3470)

The site is located on a mountain range ridge, comprising of one tuff core. The core is with 25% cortex, unifacially flaked, with 7 scars, measuring 42 mm in length by 356 mm width and 32 mm in thickness. The core was identified in a cleared area adjacent to Saddlers Creek Road. The site is in poor condition and has been assessed to be of low archaeological significance.

The site has been salvaged under existing approvals.

14.1.15 S1MC466 (AHIMS ID# 36-3-3804)

S1MC 466 comprises a sandstone outcrop with limited overhang and shelter and a low to moderate density artefact scatter with archaeological deposit visible in exposures along a sandy, incised drainage line. Deposits exposed in the creek line appear to be greater than 50 cm in depth. Niche (2023b) described a sandy quartz-rich PAD situated along the sandstone outcrop and drainage line. The deposit was recorded to extend 150 mm at the shelter and extending 1000 mm in depth towards the creek line.

The drainage line connects two shelter complexes, one containing Aboriginal cultural heritage sites S1MC 256-262 and the other containing Aboriginal cultural heritage sites S1MC289-296. It is likely S1MC466 forms part of a continuous artefact scatter along the drainage line, with its visible components extending over a 270 m by 60 m area.

The site has been partially salvaged under existing approvals comprising surface artefact collection undertaken in November 2022 however subsequent to this, a PAD was identified at the site (Niche 2023b) which requires future management.



Plate 10: General photo of site S1MC466 (AHIMS ID#36-3-3804), facing east. Stone artefacts were identified in the exposure.



Plate 11: General photo of site S1MC465 (AHIMS ID#36-3-3804), facing south-east. Stone artefacts were identified in exposures near fallen tree.



Plate 12: General photo of site S1MC466 (AHIMS ID#36-3-3804), facing north.



Plate 13: S1MC466 (AHIMS ID#36-3-3804), location of stone artefact eroding from creek bank.



Plate 14: Incised drainage line intersection S1M466 (AHIMS ID#36-3-3804).



Plate 15: S1MC466 (AHIMS ID#36-3-3804) sample of artefacts.



Plate 16: S1MC466 (AHIMS ID#36-3-3804) – chert flake with use-wear.

14.1.16 S1MC541 (AHIMS ID# 36-3-3871)

This site was identified on an unnamed access track, south of Saddlers Creek Road, on a rolling hills slope landform. The isolated find comprises a single basalt axe flake with a grounded edge. The site is in poor condition and has been assessed to be of low archaeological significance.



Plate 17: Axe fragment at S1MC541 (AHIMS ID#36-3-3871) as depicted in the AHIMS site card.

14.1.17 S1MC480 (AHIMS ID# 36-3-3877)

S1MC480 comprises a series of overhangs formed through cavernous weathering and block fall along a continuous exposure of sandstone formed.

The site was reassessed by Niche (2023b) who identified the site was in poor condition with no stone artefacts, but a shallow PAD was identified. The shelter is recorded as 2.6 m x 5.9 m, and 1.7 m in height. The site is a conglomerate sandstone shelter with horizontal bedding and a stone floor consisting of conglomerate quartz pebble sand. The site is in poor condition and is of low archaeological significance.



Plate 18: S1MC480 site overview (AHIMS ID#38-3-3877).



Plate 19: S1MC480 site overview (AHIMS ID#38-3-3877).



Plate 20: S1MC480 (AHIMS ID#38-3-3877), showing fire damage and blockfall.

14.1.18 S1MC493 (AHIMS ID# 36-3-3878)

Originally recorded by Hamm (2006a) as a shelter with an isolated find and PAD and reported in Strata Engineering (2006a). The site was revisited during a subsequent site inspection (Niche 2024a) and no artefacts were identified however a deposit was identified at the dripline (extending 14 mm) and downslope (extending 420 mm). The site is in good condition and has been assessed to be of low archaeological significance.



Plate 21: S1MC493 (AHIMS ID#36-3-3878) general overview.

14.1.19 S1MC470 (AHIMS ID# 36-3-3880)

S1MC470 comprises a sandstone outcrop with overhang and shelter with a PAD. The shelter is 5 m x 6.5 m, and 2.5 m in height at the front of the shelter and 0.5 m at the rear. The shelter consists of conglomerate sandstone outcrop with horizontal bedding and ironstone banding, and an overhang formed by weathering and block fall. The PAD comprises a sandy deposit.

The shelter is in the mid-slope of a gully along a continuous exposure of sandstone, with part of the shelter consisting of disturbed shallow sandy deposits overlaying a stone floor. The site has been recorded to be of low archaeological potential due to angle of the floor and disturbance associated with animal activity.



Plate 22: S1MC 470 shelter interior (AHIMS ID#36-3-3880), facing north-east.



Plate 23: S1MC 470 general overview (AHIMS ID#36-3-3880), facing north-east.

14.1.20 S1MC481 (AHIMS ID# 36-3-3881)

S1MC481 comprises of a continuous overhang along gully at head with waterfall, consisting of three shelters running east to west and a PAD. The shelters consist of fine sandstone with horizontal bedding and active cavernous weathering. The shelters consist of block fall floors with a fine sandy deposit overlay. Horizontal ironstone bedding has been identified at base of shelter in a weathered condition. Though no artefacts are visible at the site, the sandy deposits overlaying the stone floor has potential to contain a PAD. The PAD



comprises a sandy deposit measuring 20 cm in depth at front of shelter and 10 cm in rear. The shelter was identified to be in good condition and of low archaeological significance.



Plate 24: General photo of site S1MC481 (AHIMS ID#36-3-3881), facing south.



Plate 25: S1MC481 shelter interior (AHIMS ID#36-3-3881), facing east.



Plate 26: General photo of site S1MC481 (AHIMS ID#36-3-3881), facing east.



Plate 27: General photo of site S1MC481 (AHIMS ID#36-3-3881), facing east.

14.1.21 S1MC482 (AHIMS ID# 36-3-3882)

The site comprises a continuous overhang and shelter containing seven stone artefacts and a PAD. The site is located along the mid-slope of the entrance to an enclosed gully, which has been subjected to cavernous weathering. The interior of the shelter comprises of horizontal bedding of sandstone conglomerate and ironstone sheeting. Tabular fissures are occurring in the ironstone bedding.

The PAD comprises a sandy deposit contained an ash deposit of approximately 10 cm deep, indicating a possible fireplace. The 7 artefacts, consisting of various raw materials, were located within the shelter, dripline, and downslope of the shelter. The shelter is in good condition and of moderate archaeological significance.



Plate 28: General photo of site S1MC 482 (AHIMS ID#36-3-3882), facing east. Artefacts located inside shelter and along eroding downslope from dripline. Charcoal and ash present.



Plate 29: General photo of site S1MC 482(AHIMS ID#36-3-3882), facing east. Charcoal present at front of shelter.



Plate 30: General photo of site S1MC 482 (AHIMS ID#36-3-3882), facing south, showing active weathering.



Plate 31: Tabular weathering along ceiling of site S1MC 482 (AHIMS ID#36-3-3882).



Plate 32: S1MC 482 (AHIMS ID#36-3-3882) - Stone artefacts.



Plate 33: S1MC 482 (AHIMS ID#36-3-3882) - Charcoal evident within PAD.



Plate 34: S1MC 482 (AHIMS ID#36-3-3882) - Tuff blade flake.



Plate 35: S1MC 482 (AHIMS ID#36-3-3882) - Stone artefacts located in dripline.

14.1.22 S1MC492 (AHIMS ID# 36-3-3883)

The site is an open artefact scatter comprising two quartz bipolar cores on a ridgeline, mid-slope, overlooking a gully with a drainage line. The stone artefacts are visible in a sheetwash exposure within shallow siliceous sandy soils. The drainage line continues north towards Saddlers Creek Road. The site is in good condition and has been assessed to be of low archaeological significance.



Plate 36: S1MC492 (AHIMS ID#36-3-3883) general location, facing north-west



Plate 37: S1MC492 (AHIMS ID#36-3-3883) quartz bipolar core.

14.1.23 S1MC467 (AHIMS ID# 36-3-4053)

S1MC467 comprises a shelter formed through cavernous weathering. Located at the top of a gully, S1MC467 has been subjected to cavernous weathering and block fall. The shelter interior consists of conglomerate sandstone with ironstone bedding, 7.3 m in length and 2.5 m wide, and 2.0 m in height. Fissures were identified, running vertically along wall and through the ceiling. The deposit is approximately 5 cm deep, located in midst of rockfall. No artefacts were identified. The site is in good condition and has been assessed to be of low archaeological significance.



Plate 38: S1MC467 (AHIMS ID#36-3-4053) shelter interior, facing south.



Plate 39: S1MC467 (AHIMS ID#36-3-4053) general overview, facing south.

14.2 Site details for sites situated in proximity to the Subject Area

14.2.1 S1MC264 (AHIMS ID# 36-3-1079) / Curra Creek; Goulburn River (AHIMS ID# 36-3-0008)



The site is situated adjacent to a tributary of Goulburn River in an area adjacent to the western boundary of the Subject Area (Figure 5). The site consists of 78 grinding grooves adjacent a silted-up rook hole and a deep pool of the creek. The site was originally recorded in 1976 as Curra Creek (AHIMS ID#36-3-3008) as part of a survey to inform the Goulburn River Proposal.

The site was rerecorded by ARAS 2006 as S1MC264 (AHIMS ID#36-3-1079) and revisited during 2021. The survey also identified stone artefacts to the north of the grinding grooves and a PAD. The site was in fair condition at the time of recording and has been assessed to be of high archaeological significance.



Plate 40: Photograph showing sandstone platforms with a silted drainage line and vegetation, leading toward the primary exposure containing grinding grooves at S1MC264 (AHIMS ID#36-3-1079). Facing east, near cement culvert at Ulan Road.



Plate 41: Detail of grinding grooves of S1MC264 (AHIMS ID#36-3-1079).

14.2.2 S1MC268 (AHIMS ID# 36-3-1083)

The site comprises a shelter with a single artefact. The single quartz flake was recorded down slope from the rock shelter on the edge of an ephemeral channel. The site is in a poor condition and has been identified to have low archaeological significance (Hamm 2006a).

14.2.3 S1MC269 (AHIMS ID# 36-3-1084)

The site comprises a shelter with a single isolated grey tuff flake lying on the edge of an ephemeral channel. The site is in a poor condition and has been identified to have low archaeological significance (Hamm 2006a).

14.2.4 S1MC282 (AHIMS ID# 36-3-1096)

The site is an artefact scatter containing 65 artefacts within a disturbed, eroded context. The site is in a poor condition and has been identified to be part of a continuous large open artefact site encompassing the nearby site S1MC281 (AHIMS ID# 36-3-1095). The site has been identified to have high archaeological significance (Hamm 2006a).

14.2.5 S1MC283 (AHIMS ID# 36-3-1097)

The site comprises a shelter with six artefacts lying within the dripline (all produced from quartz). The site is in a poor condition and has been identified to have high archaeological significance (Hamm 2006a).

14.2.6 S1MC284 (AHIMS ID# 36-3-1098)



The site is a shelter containing art and artefacts. Nine artefacts have been identified within the shelter and rock art has been recorded as being present. The rock art comprises nine red ochre hand stencils on the shelter ceiling. The site is in a fair condition and has been assessed to have moderate archaeological significance.

14.2.7 S1MC286 (AHIMS ID# 36-3-1100)

The site is located on a ridge line, on a rolling hill landform, adjacent a drainage channel. The shelter has a sandstone platform, with a total of 28 artefacts identified in front and downslope of the shelter and a PAD identified. The site is in fair condition and has been assessed to be of high archaeological significance.

Amongst the 28 identified artefacts, numerous quartz artefacts, a manuport and anvil have been identified.



Plate 42: S1MC286 (AHIMS ID#36-3-1100) site overview.



Plate 43: S1MC286 (AHIMS ID#36-3-1100), site overview.



Plate 44: S1MC286 (AHIMS ID#36-3-1100), manuport.



Plate 45: S1MC286 (AHIMS ID#36-3-1100), Location of manuport on sandstone outcrop.

14.2.8 S1MC295 (AHIMS ID# 36-3-1109)



The site is an isolated quartz flake located on a gentle slope of a rolling hill landform. The isolated find was identified on the northern side of a vehicle track. The site was assessed to be of low archaeological significance and the site is in poor condition at the time of the site card recording.

14.2.9 S1MC296 (AHIMS ID# 36-3-1110)

The site is a shelter with artefacts and PAD. Thirteen artefacts have been recorded at the front of the shelter extending over an area 17 x 5 m. A fine, dark deposit has been identified within the shelter floor indicating the potential for a subsurface deposit (Niche 2024b).

14.2.10 S1MC323 (AHIMS ID# 36-3-1417)

The site is an isolated find comprising a quartz flake piece recorded in a disturbed context. The site has previously been salvaged.



Contact us

info@niche-eh.com
niche-eh.com

NSW Office

Sydney: Dharug Country
02 9630 5658
L3, 93 George St
Parramatta NSW 2150

QLD Office

Brisbane:
Turrbal and Jagera Country
07 2104 8594 Ground Floor,
Suite 3 North Tower
527 Gregory Terrace
Fortitude Valley QLD 4006

VIC Office

Melbourne:
Wurundjeri Country
0488 224 036
Level 3, 162 Collins Street
Melbourne VIC 3000

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