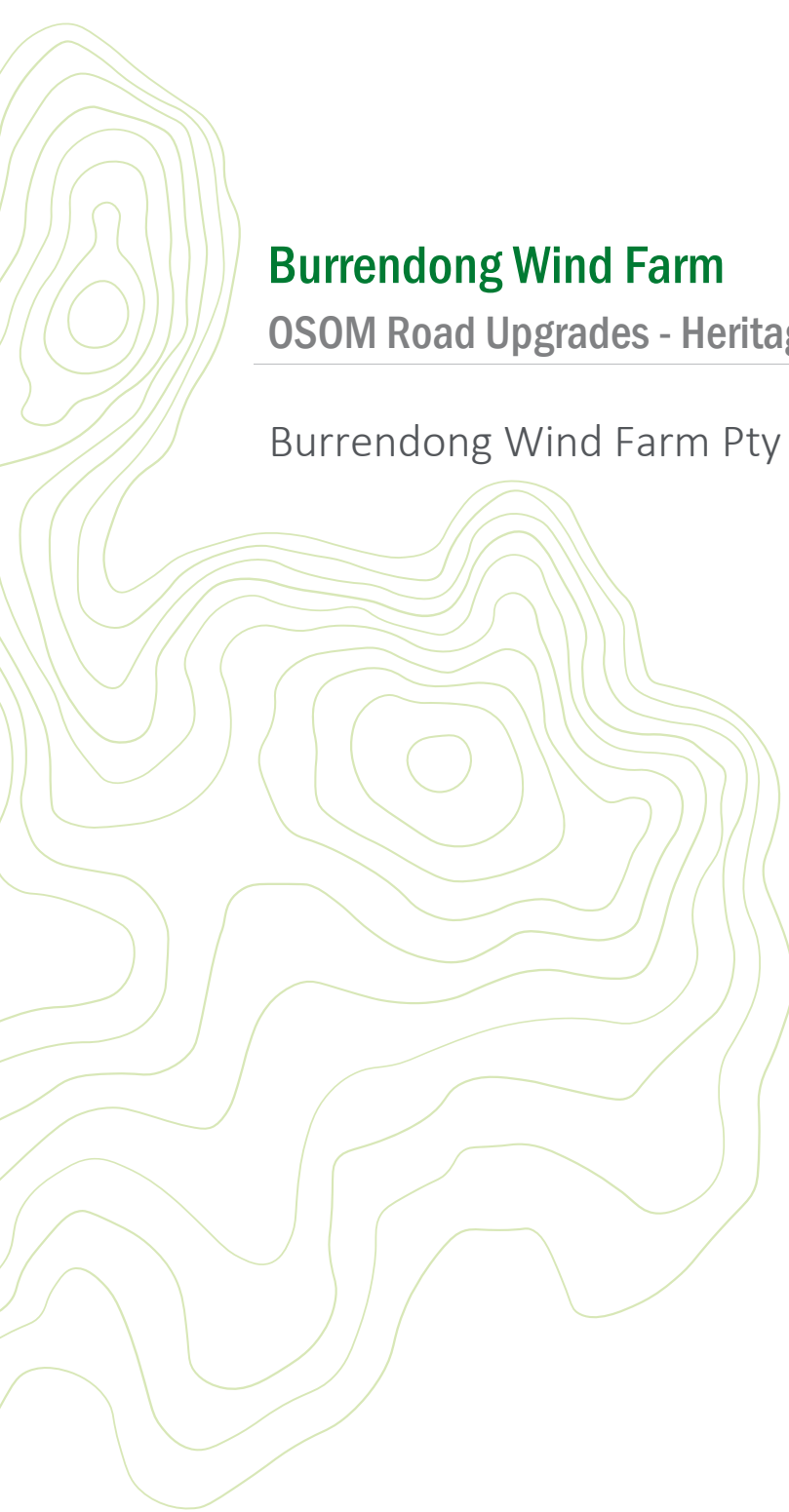




Burrendong Wind Farm

OSOM Road Upgrades - Heritage Memorandum

Burrendong Wind Farm Pty Ltd

Document Tracking

Project Name:	Burrendong Wind Farm
Project Number:	24COF7589
Project Manager:	Emma Bathgate

Version	Prepared by	Reviewed by	Approved by	Status	Date
V2	Charlotte Bradshaw	Jennifer Norfolk	Daniel Magdi	Final	25/02/2026

This report should be cited as ‘Eco Logical Australia 2026, *Burrendong Wind Farm OSOM Road Upgrades – Heritage Memorandum*, Prepared for Burrendong Wind Farm Pty Ltd.’

Acknowledgements

This document has been prepared by Eco Logical Australia Pty Ltd with support from Burrendong Wind Farm Pty Ltd.

Disclaimer

This document may only be used for the purpose for which it was commissioned and in accordance with the contract between Eco Logical Australia Pty Ltd and Burrendong Wind Farm Pty Ltd. The scope of services was defined in consultation with Burrendong Wind Farm Pty Ltd, by time and budgetary constraints imposed by the client, and the availability of reports and other data on the subject area. Changes to available information, legislation and schedules are made on an ongoing basis and readers should obtain up-to-date information. Eco Logical Australia Pty Ltd accepts no liability or responsibility whatsoever for or in respect of any use of or reliance upon this report and its supporting material by any third party. Information provided is not intended to be a substitute for site specific assessment or legal advice in relation to any matter. Unauthorised use of this report in any form is prohibited.

Abbreviations

Abbreviation	Description
AHIMS	Aboriginal Heritage Information Management System
ACHA	Aboriginal Cultural Heritage Assessment
BCD	Biodiversity Conservation Division
CHMP	Cultural Heritage Management Plan
CWO	Central West Orana
DoD	Department of Defence
DECCW	Department of Environment, Climate Change and Water
DPIE	Department of Planning, Infrastructure and Environment
DRC	Dubbo Regional Council
ELA	Eco Logical Australia
EIS	Environmental Impact Statement
E	Exposure
IBRA	Interim Biogeographic Regionalisation for Australia
LGA	Local Government Area
LLS	Local Land Services
LALC	Local Aboriginal Land Council
MWRC	Mid-Western Regional Council
NTSCL	Native Title Services Corporation Limited
NSW	New South Wales
OSOM	Over Size Over Mass
PAD	Potential Archaeological Deposit
REZ	Renewable Energy Zone
RAPs	Registered Aboriginal Parties
SSD	State Significant Development
SEARs	Secretary's Environmental Assessment Requirements
SU	Survey Unit
WTG	Wind Turbine Generators
WVWAC	Wellington Valley Wiradjuri Aboriginal Corporation

Contents

1. Introduction	1
1.1. Project Amendments	1
1.2. Road Access Upgrades	1
2. Consultation	8
2.1. Project Update – 12 November 2025	8
2.2. Archaeological survey – December 2025	8
2.3. Project Update – 3 February 2026	10
2.4. Draft Heritage Memo RAP Review	10
3. Environmental Context	11
3.1. Soil Landscapes	11
3.2. Hydrology	11
3.3. Social and Ethnographic	12
3.4. Land Use and History	12
4. Archaeological Context	13
4.1. AHIMS Search	13
4.2. Regional Character	14
4.3. Predictive Models	14
5. Archaeological Survey	20
5.1. Survey strategy	20
5.2. Survey Team	20
5.3. Survey Results	20
5.4. Survey Coverage	25
5.5. Aboriginal Sites	26
5.5.1. BWF AS98 (AHIMS ID 36-2-0867)	26
5.5.2. BWF IF12 (AHIMS ID 36-2-0868)	27
5.5.3. BWF AS99 (AHIMS ID 36-5-0501)	28
5.5.4. BWF AS100 (AHIMS ID 36-5-0502)	30
5.5.5. BWF AS101 (AHIMS ID 36-5-0503)	31
6. Cultural Heritage Values and Statement of Significance	37
7. Development Proposal Activity	38
8. Mitigation and Management	39
9. Recommendations	41
10. References	42

List of Figures

Figure 1: Road access upgrades at Goolma Road/Twelve Mile Road	3
Figure 2: Road access upgrades along Twelve Mile Road (north of Twelve Mile Road/Yarrabin Road intersection)	4
Figure 3: Road access upgrades along Yarrabin Road	5
Figure 4: Road access upgrades along Yarrabin Road	6
Figure 5: Road access upgrades proposed at intersection of Yarrabin Road/Burrendong Dam Road	7
Figure 6: AHIMS sites in proximity to road upgrade area 1	15
Figure 7: AHIMS sites in proximity to road upgrade area 2	16

Figure 8: AHIMS sites in proximity to road upgrade area 3	17
Figure 9: AHIMS sites in proximity to road upgrade area 4	18
Figure 10: AHIMS sites in proximity to road upgrade area 5	19
Figure 11: View south, on the mid slope of SU42, showing outcrops of basalt bedrock	21
Figure 12: BWF AS98 located within an exposed vehicle track.....	21
Figure 13: Basalt artefacts within BWF AS98	21
Figure 14: View north from the southern-most boundary of SU42	21
Figure 15: View north, showing the undulating landform and the existing Twelve Mile Road to the east	22
Figure 16: Old growth tree within SU43	22
Figure 17: View south from northern-most boundary of SU43	22
Figure 18: View north, from the southern-most boundary of SU43	22
Figure 19: View south, showing the gravelly, skeletal soils within SU44.....	23
Figure 20: Example of exposed sandy loam to sandy clay loam within SU44	23
Figure 21: View north, showing an overview of BWF AS99 with artefacts marked with yellow flags	23
Figure 22: View east from SU44, showing the rise to ridgeline in the east.....	23
Figure 23: View south, within the dry drainage line running parallel to Yarrabin Road	24
Figure 24: Example of quartz exposures within SU45.....	24
Figure 25: View west towards Yarrabin Road, from the hill top.....	24
Figure 26: View north along the side slope within SU45.....	24
Figure 27: View south facing Burrendong Dam Road from the northern-most boundary of SU46	25
Figure 28: View north near BWF AS100, showing surface visibility along the fenceline.....	25
Figure 29: View south-west, showing moderately sloping landform within SU46.....	25
Figure 30: View west from the eastern boundary of SU46, showing bedrock exposures.....	25
Figure 31: View south-west across BWF AS98. Twelve Mile Road visible in the background	27
Figure 32: Basalt flakes and broken cores at BWF AS98	27
Figure 33: Hammerstone at BWF AS98.....	27
Figure 34: Milky quartz flake fragment at BWF AS98.....	27
Figure 35: Example of faint tyre tracks near to the location of BWF IF12.....	28
Figure 36: Broken basalt core	28
Figure 37: View north-east across a portion of BWF AS99 showing extensive sheet erosion.....	29
Figure 38: Broken basalt core at BWF AS99.....	29
Figure 39: Chert artefacts at BWF AS99.....	29
Figure 40: Retouched milky quartz flake (men's initiation tool) at BWF AS99.....	29
Figure 41: View south across BWF AS100 exposure	30
Figure 42: Chert and basalt flakes at BWF AS100	30
Figure 43: Milky quartz flake at BWF AS100	30
Figure 44: Basalt flake at BWF AS100	30
Figure 45: Basalt flake at BWF AS101	31
Figure 46: Milky quartz flake at BWF AS101	31
Figure 47: Survey coverage and results – road upgrade area 1	32
Figure 48: Survey coverage and results – road upgrade area 2	33
Figure 49: Survey coverage and results – road upgrade area 3	34
Figure 50: Survey coverage and results – road upgrade area 4	35
Figure 51: Survey coverage and results – road upgrade area 5	36

List of Tables

Table 1: Response to project update sent on 12 November 2025.....	8
Table 2: RAPs involved in the additional archaeological survey program in December 2025.....	8
Table 3: Archaeological survey discussion	9
Table 4: Response to project update sent on 3 February 2026	10
Table 5: Responses to draft Heritage Memorandum.....	10
Table 6: Search Parameters for the AHIMS database used for predictive modelling	13
Table 7: AHIMS site types recorded within the search parameters.....	13
Table 8: Archaeological survey field team	20
Table 9: Survey Unit 42 Description Summary.....	20
Table 10: Survey Unit 43 Description Summary.....	21
Table 11: Survey Unit 44 Description Summary.....	22
Table 12: Survey Unit 45 Description Summary.....	23
Table 13: Survey Unit 46 Description Summary.....	24
Table 14: Survey Coverage and Associated Aboriginal Sites Identified.....	25
Table 15: Aboriginal Sites identified during field survey	26
Table 16: Impact Assessment for Aboriginal Sites	38
Table 17: Management and Mitigation for Aboriginal Sites identified in the December 2025 archaeological survey	39

1. Introduction

Burrendong Wind Farm Pty Ltd (the Proponent), a wholly owned subsidiary of Ark Energy Corporation Pty Ltd (Ark Energy) is proposing to develop Burrendong Wind Farm (the Project), at Yarrabin, NSW. The Project is a State Significant Development (SSD-8950984), the Aboriginal Cultural Heritage Assessment (ACHA) was prepared for the entire project. This ACHA memorandum will cover amendments to the proposed road upgrades and will supplement the original ACHA and fulfill the requirements of the Secretary's Environmental Assessment Requirements (SEARS)

The Project is located within the traditional lands of the Wiradjuri Aboriginal Nation and spans the jurisdictions of Dubbo Region Council (DRC) Local Government Area (LGA) and Mid-Western Regional Council (MWRC) LGA in central west New South Wales (NSW). The Project Site is located 30 km west of Mudgee, predominantly around the Yarrabin area, within the Mudgee Local Land Services (LLS) region and the Central West Orana (CWO) Renewable Energy Zone (REZ). It borders Lake Burrendong on the western side and is located on predominantly privately owned land used for agricultural purposes.

The Project consists of the installation, operation, maintenance, and decommissioning of up to 70 Wind Turbine Generators (WTGs), electrical infrastructure, ancillary infrastructure, public road upgrades and access tracks and temporary facilities. The Project is designed to accommodate WTGs up to 250 m in height, with a nameplate capacity of approximately 6-7 MW. On these terms, and subject to Development Consent and market changes, the Project is estimated to have an installed generating capacity of approximately 400-500 MW. The Project would connect to the existing TransGrid 330 kV transmission line to the west of the Project Site, on the western side of Lake Burrendong.

1.1. Project Amendments

The Proponent is seeking to regularise the road reserve along Twelve Mile, Yarrabin, and Burrendong Dam Roads to enable upgrade works required for Over Size Over Mass (OSOM) movements to occur. Since the submission of the EIS, the Department of Planning and Environment (DPE) has requested additional information be incorporated within a heritage memorandum including heritage assessment for all ground disturbance associated with road upgrades and hardstands at intersection upgrades.

This report discusses the assessment of road upgrade options explored by the Proponent to identify and mitigate against any impacts to Aboriginal cultural heritage. The Development Footprint and Development Corridor have since been refined as a result of the findings of the archaeological survey and the recommendations provided by the Registered Aboriginal Parties (RAPs). Therefore, the additional survey area as defined for this report, includes sections that are outside of the Development Corridor.

The Aboriginal Cultural Heritage Assessment (ACHA) (ELA 2025b) report has considered the potential impacts of the broader project.

1.2. Road Access Upgrades

The road upgrade footprint has been developed in close consultation with Mid-Western Regional Council (MWRC) and affected landholders. During this process, several modifications were requested by landholders and subsequently supported by Council. These changes have been made to address the following considerations:

- **Minimising impact on residential properties** by avoiding road alignments close to house frontages.

- **Reducing disruption to smaller landholdings** by returning the road alignment to the existing road reserve where possible.
- **Streamlining infrastructure upgrades** by combining the Goolma/Twelve Mile and Goolma/Twelve Mile Flat intersection works, which also support a landholder's quarry development.

There were five sections that were proposed for road access upgrade options:

Road upgrade area 1: Road deviation at the intersection of Goolma/Twelve Mile Road (21,224 m²) (Figure 1).

Road upgrade area 2: Road deviation of Twelve Mile Road, north of Twelve Mile Road/Yarrabin Road intersection (34,309 m²) (Figure 2).

Road upgrade area 3: Road deviation of a section of Yarrabin Road (12,358 m²) (Figure 3).

Road upgrade area 4: Road deviation of a section of Yarrabin Road (5,062 m²) (Figure 4).

Road upgrade area 5: Road deviation at the intersection of Yarrabin Road and Burrendong Dam Road (47,765 m²) (Figure 5).

These five sections were subject to archaeological survey with RAP representatives. Based on the results of the archaeological survey, the Development Footprint and Development Corridor were refined for the preferred road access upgrade. The Aboriginal cultural heritage values identified were considered during the design process to avoid direct impacts to Aboriginal sites.

Figure 1 - Figure 5 show the areas surveyed and the refined Development Footprint and Development Corridor.

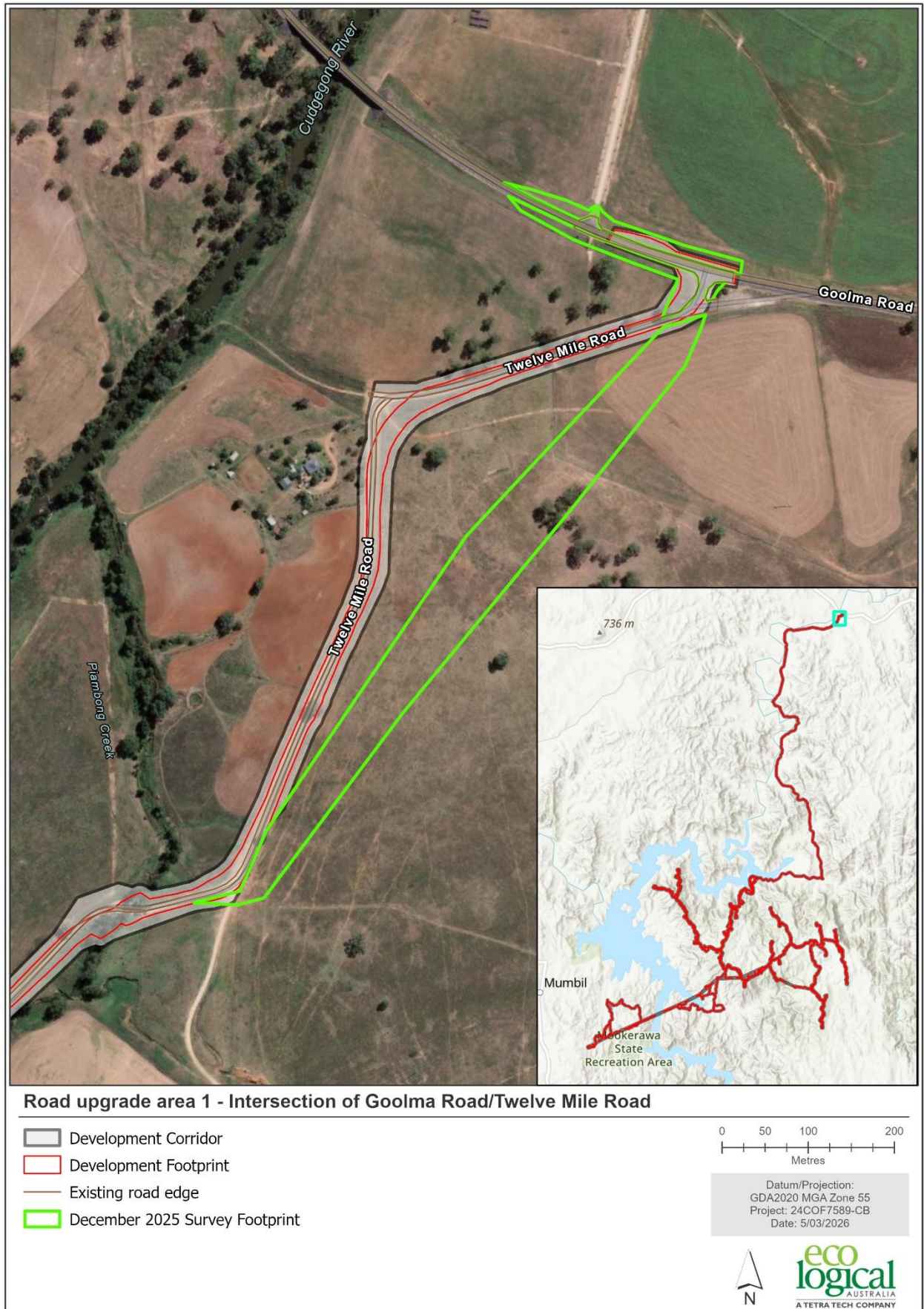


Figure 1: Road access upgrades at Goolma Road/Twelve Mile Road

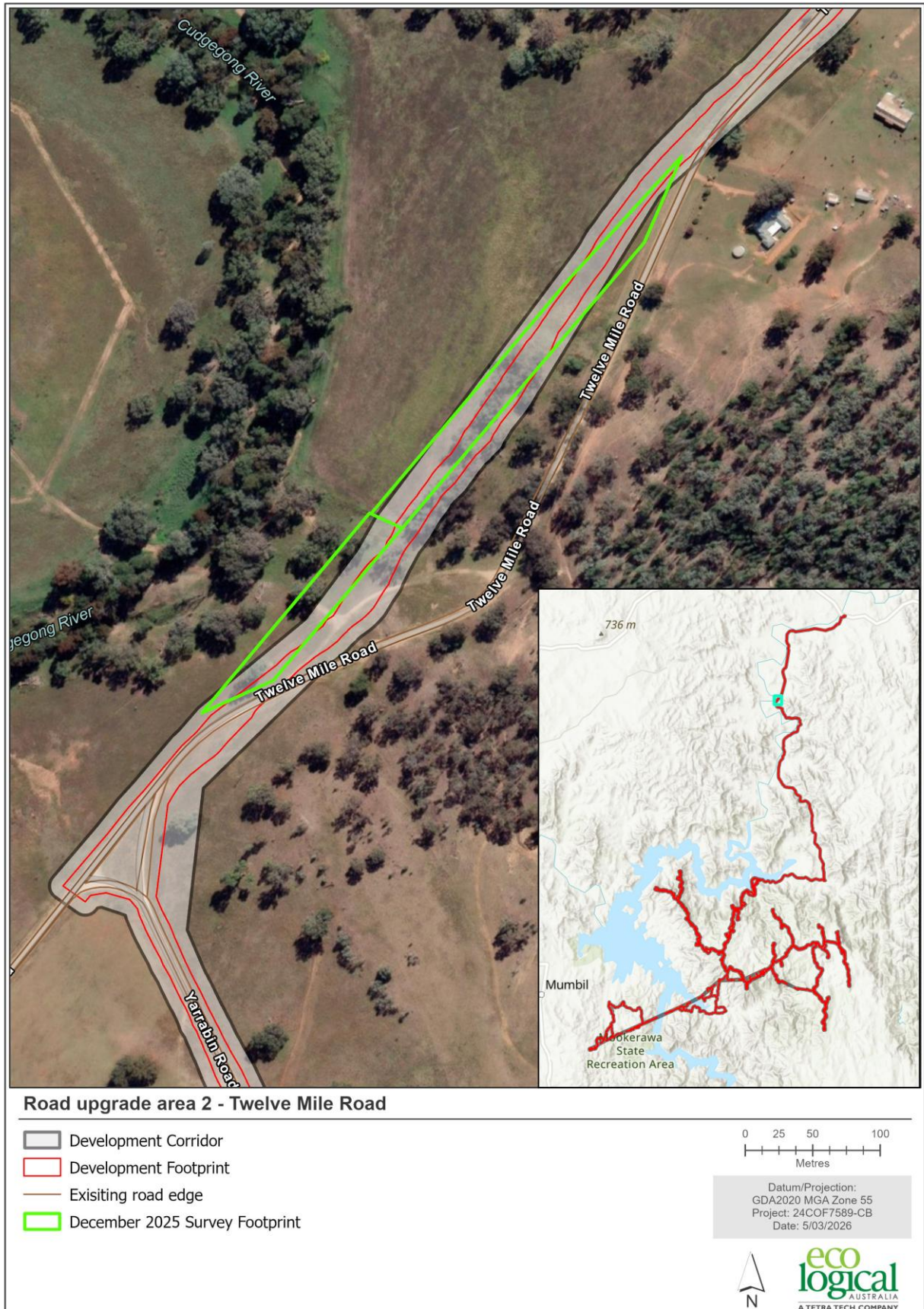


Figure 2: Road access upgrades along Twelve Mile Road (north of Twelve Mile Road/Yarrabin Road intersection)

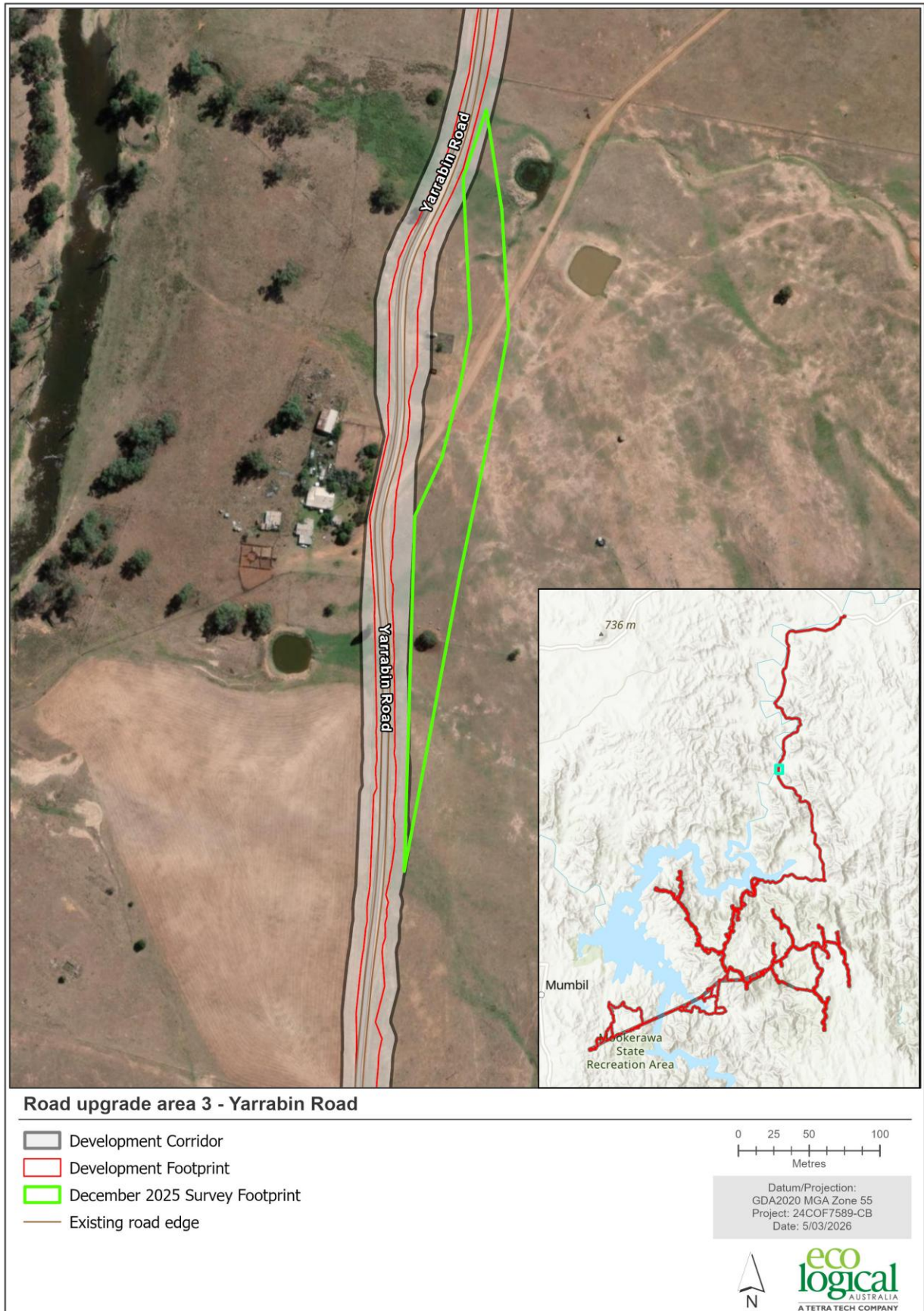


Figure 3: Road access upgrades along Yarrabin Road

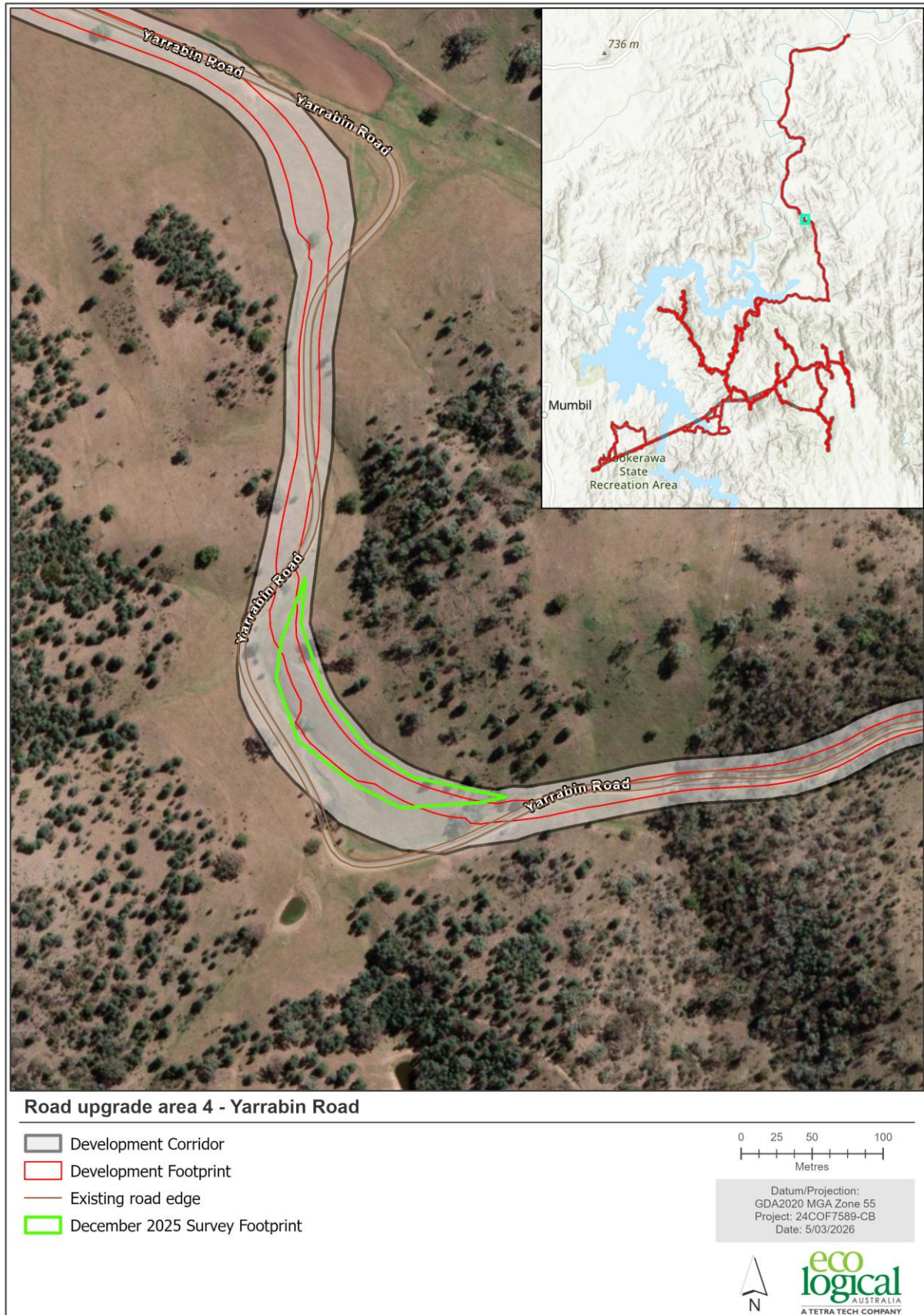


Figure 4: Road access upgrades along Yarrabin Road

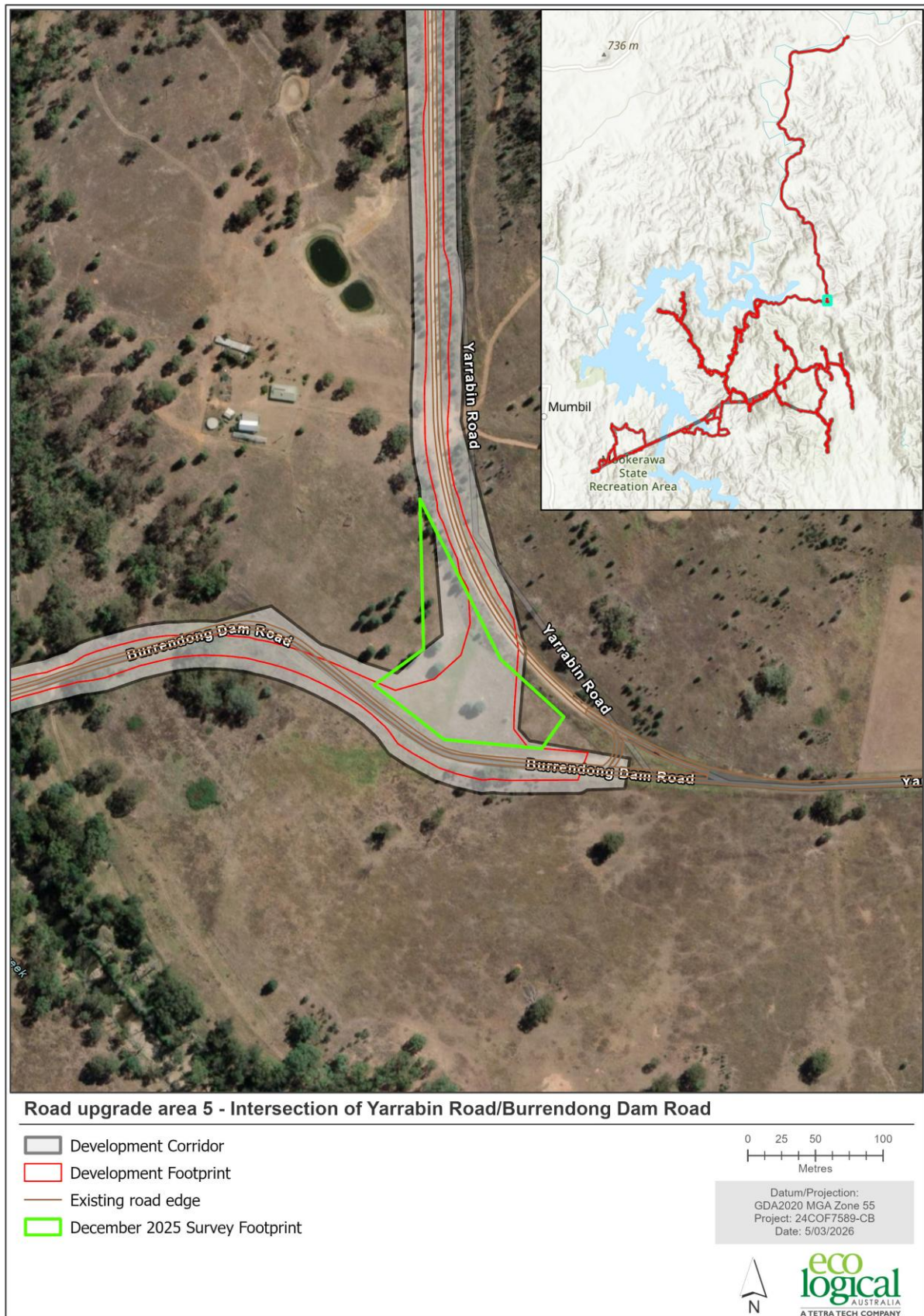


Figure 5: Road access upgrades proposed at intersection of Yarrabin Road/Burrendong Dam Road

2. Consultation

As part of the ACHA process, Aboriginal consultation is required to be undertaken in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010). Consultation commenced in 2020 and was continuous until the draft ACHA was provided to the Registered Aboriginal Parties (RAPs) on 3 September 2024, with a comment period until 4 October 2024.

The ACHA was submitted to the Department following the Response to Submissions and Amendment report, with consultation lapsing on 4 April 2025, as the ACHA was considered finalised.

Heritage NSW, on 7 November 2025, approved ELA to resume the consultation in order to provide project updates and facilitate the required additional survey of the sections proposed for road upgrades.

The full consultation process is documented in Section 2 and Appendix D of the ACHA (ELA, 2025b).

2.1. Project Update – 12 November 2025

A project update was provided to all RAPs on 12 November 2025 informing them of the project status and the additional survey and assessment required for the proposed road upgrade area options. The project update also sought advice from RAPs if they recommended further survey be undertaken to assess the additional road sections. The responses are provided in Table 1 below.

Table 1: Response to project update sent on 12 November 2025

Organisation	Date	Method	Response
Wellington Valley Wiradjuri Aboriginal Corporation (WVWAC)	12/11/2025	Phone call	<i>Bradley Bliss (WVWAC) that additional survey is required within the additional road section areas.</i>
Mudgee Local Aboriginal Land Council	12/11/2025	Email	Hi Charlotte, thanks for the update. Due to the prevalence of Aboriginal cultural Heritage sites in these areas would recommend surveying the additional sections just to ensure that if there are unrecorded Aboriginal Cultural Heritage sites that they are identified so that they can be managed. Regards Aleshia

2.2. Archaeological survey – December 2025

An archaeological survey of the road access upgrade areas was undertaken by ELA archaeologists and representatives of the RAPs. All RAP participants are provided in Table 2 below.

Table 2: RAPs involved in the additional archaeological survey program in December 2025

Organisation	Representative
WVWAC	Bradley Bliss, CEO and Contact Officer
Murong Gialinga	Steven 'George' Flick
Mudgee Local Aboriginal Land Council	Jai Tanner
Mudgee Local Aboriginal Land Council	Tammy Peterson

The findings of the archaeological survey and recommended management of Aboriginal sites were discussed with RAPs during and after the field survey. WVVAC provided specific comments on the management outcomes for each road section as outlined in Table 3 below.

No other comments in relation to the road access upgrade areas have been received.

Table 3: Archaeological survey discussion

Aboriginal Organisation	Response	ELA Response
WVVAC	Wellington Valley Wiradjuri Aboriginal Corporation Knowledge Holders, Field Officers and Members with connections to the project area have conducted discussions in person and via telephone. WVVAC have the following comments and or recommendations: <u>Area 1/Goolma-Twelve Mile Road Intersection</u> Yes, test pitting still a recommendation within the refined footprint only, surface collection of any cultural material that will be impacted and monitoring during works. <u>Area 2/Approach to Twelve Mile Yarrabin intersection</u> The proposed Avoidance of this artefact with a 3m buffer zone surrounding the artefact would be our preferred option. <u>Area 3/Bishop House</u> Within the refined footprint, surface collection of any cultural material that will be impacted (some present in existing road easement) and monitoring during works. <u>Area 4/Yarrabin Road Widening</u> No recommendations – unexpected finds protocol. <u>Area 5/Yarrabin Road and Burrendong Dam Road intersection</u> Yes, test pitting within the refined footprint only, in the lower portion to determine if any sub-surface deposit and surface collection of any cultural material that will be impacted not identified in the survey and monitoring during works. These areas must all have an unexpected finds protocol. Is that the ACAR? If not ok, if it is then it breaches the consultation guidelines. Why given a few days to a week for comments not the minimum 28 days? Regards Bradley R Bliss J.P.	Hi Brad, Thank you for your response. This is not the ACHA, this is to inform the design of the roads and minimise impacts to sites. The new findings and updated recommendations will be incorporated into the latest ACHA version for RAP comment at a later date. With Area 5 – during the survey, test excavation was not put forward as a recommendation, with the consensus being that the areas of surface visibility showed skeletal soils and exposures of clay deposit. The refined footprint is located on a moderately sloping landform with no artefacts identified. I did not identify any viable areas for subsurface investigation within the refined footprint area. Was there something else you would like to raise since what we discussed in the field? Kind regards, Charlotte Bradshaw
WVVAC	<i>Phone conversation - Brad Bliss (WVVAC) agrees that test excavation is not required in Area 5 however has to pass on the recommendations of the other board members. Observed the soils to be shallow/skeletal within Area 5.</i>	

2.3. Project Update – 3 February 2026

On February 3, 2026, RAPs were provided with an update on the road footprint and informed that the Area 1 footprint will entirely avoid BWF AS98. WVVAC were the only organisation who provided comment.

Table 4: Response to project update sent on 3 February 2026

Organisation	Response
WVVAC	Hi Charlotte, Yes, monitoring is still required just to ensure there is no Cultural material present Bradley R Bliss J.P.

2.4. Draft Heritage Memo RAP Review

On 10 March 2026, RAPs were provided with the draft Heritage Memorandum for the road access upgrades for a 28-day review and comment period. Responses were received by two RAP groups (Table 5).

Table 5: Responses to draft Heritage Memorandum

Organisation	Response	ELA Response
WVVAC	Hi Charlotte, Wellington Valley Wiradjuri Aboriginal Corporation Elders, Knowledge Holders with Connection to the project area, Field Officers and general members have discussed the project, the recent road alignment surveys and agree to the current proposed alignments. WVVAC request that ground disturbance monitoring be carried out at the following locations: - Road Upgrade Area 1 - On Twelve Mile Road section only close to identified site with buffer 50m each side. - Road Upgrade Area 3 - Artefacts identified in the existing road corridor and the December Survey area. - Road Upgrade Area 5 - Artefacts identified close to location of proposed works. In regards to BWF IF12, please Avoid by using fencing and signage if not possible, relocation is agreed to. Regards, Bradley R. Bliss J.P.	Thank you, Brad. I have updated the recommendations to include monitoring by Aboriginal representatives for works in close proximity to BWF AS98, BWF AS99, BWF AS100 and BWF AS101. I have attached for your records the site cards for sites we identified in December. Kind regards, Charlotte Bradshaw
Corroboree Aboriginal Corporation	Hi Charlotte We do not foresee any issues with this random Thanks, Marilyn	<i>No response.</i>

Refer to Appendix A for evidence of consultation undertaken as part of the additional road access upgrade areas.

3. Environmental Context

The road access upgrades areas are partially located within the previously assessed Development Corridor or in close proximity to the Development Corridor. A detailed description of the Environmental Context of the Project Site is provided in Section 3 of the ACHA (ELA 2025b) and summarised below.

The Project Site is situated within the South Western Slopes Interim Biogeographic Regionalisation for Australia (IBRA) bioregion of NSW. The Project will be located along the elevated ridgelines and crest that have been heavily dissected by drainage lines. The landform is undulating ranges with narrow ridges alternating between peaks and saddles and long broad spurs branching off from the ridgelines. The slopes are moderate to steep, with undulating plains between ridges. The geology of the Project Site is dominated by silicious volcanics, occasional basalt caps, intrusive granite slopes and valleys with folded and faulted sedimentary sequences.

3.1. Soil Landscapes

The road access upgrade areas are located within Mullion Creek and Mookerawa soil landscapes.

MULLION CREEK

Mullion Creek soil landscape occurs on undulating low hills often strewn with quartz gravel. Characterised by mainly red podzolic soils on crests and upper slopes, yellow soloths and yellow solodic soils on mid to lower slopes and in drainage lines. There is a moderate to high erosion hazard and moderate acidity which does not present a high likelihood for the preservation of organic material. PH levels are neutral (6-6.5).

This soil landscape has moderate to high erodibility and are shallow on slopes. Lower slopes and depressions have the potential for slightly deeper soil profiles but can be subjected to severe gully erosion. This soil landscape has limited potential for in situ archaeological deposits to be present.

MOOKERAWA

Mookerawa soil landscape occurs on undulating to rolling low hills with slopes 8-30%, but generally less than 15%. Sheet erosion occurs on the lower slopes and there are copious quartz gravels. The geology of the soil landscape is characterised by slate, greywacke, shale, acid and siliceous volcanics. Yellow soloths and solodic soils occur on lower slopes and drainage depressions. Red podzolic soils occur on upper slopes and crests and some shallow, brown loams and sandy loams occur on some crests. PH levels are neutral (6-6.5).

This soil landscape has a high erosional hazard indicating a limited potential for in situ archaeological deposits to be present.

3.2. Hydrology

The Project Site is within the Macquarie River catchment area. Twelve Mile Road and Yarrabin Road run generally north-south to the east of the Cudgegong River and the Merroo Creek tributary. As such, the road access upgrade areas are in close proximity to the Cudgegong River (Areas 1, 2, 3 and 4) or Merroo Creek (Area 5). The Macquarie River (Wambuul) and Cudgegong River have high cultural significance to the Aboriginal community and several Aboriginal sites are associated with these systems.

3.3. Social and Ethnographic

The Southwestern slopes region is within the traditional lands of the Wiradjuri speaking peoples who encompassed a wide area of inland NSW, extending between the Macquarie, Lachlan, Murrumbidgee, and Murray Rivers, within the regions of Dubbo, Wellington, and Mudgee (O'Rourke, 2009). The Wiradjuri people travelled to the alpine regions for annual summer feasts of Bogong moths and used the resources of the rivers which supplied a variety of consistent and abundant food, including shellfish and fish. This was supplemented in dry seasons by hunting for emus and possums and gathering fresh food like yam and other vegetables. The Wiradjuri people moved around in small groups, using river flats, open land, and waterways throughout the seasons. Major water courses were a vital part of a groups territory as it not only provided abundant resources but also served as a ceremonial meeting place (O'Rourke 2009).

Further details are provided in Section 3.3 of the ACHA (ELA 2025b).

3.4. Land Use and History

The wider Project Site has been primarily used for stock grazing with limited timber getting, the majority of the Project Site and surrounds have not been extensively cleared due to the steep terrain and unfavourable prospects for agriculture cultivation. The gentle slopes, gullies and open valleys have been cleared with remnant trees and stands of woodland left to promote pasture and grazing. The road access upgrade areas have historically been utilised as access routes and roads or for stock grazing.

4. Archaeological Context

4.1. AHIMS Search

The Aboriginal Heritage Information Management System (AHIMS) is a database maintained by Heritage NSW and regulated under Section 90Q of the NPW Act. AHIMS holds information and records regarding the registered Aboriginal archaeological sites (Aboriginal objects, as defined under the Act) and declared Aboriginal places that exist in NSW.

An AHIMS search was undertaken for the road access upgrade sections on 27 February 2026 (Search ID 1096689) to identify all registered Aboriginal sites present within, or adjacent to, the Project Site to inform the impact assessment. The search parameters are presented in Table 6.

Table 6: Search Parameters for the AHIMS database used for predictive modelling

Search Parameters		Search Results	
GDA Zone	55	Aboriginal Sites	114
Easting	707490 - 721490 E	Aboriginal Place	0
Northings	6386666 - 6414666 N		

The results of the AHIMS search resulted in 114 Aboriginal sites within the search parameters for the road access upgrade sections. Four AHIMS sites are Restricted, AHIMS were contacted to seek information regarding their location with regards to the Project site. It was confirmed that the Restricted sites, AHIMS ID 36-5-0191, AHIMS ID 36-2-0481, AHIMS ID 36-5-0199 and AHIMS ID 36-5-0087 are not located within the Project Site. These sites have been removed from the total, reducing the total count to 110.

Of the 110 AHIMS sites identified within the search parameters, six have been identified as a result of the archaeological assessment for the Project. No sites have been plotted within the road access upgrade areas.

The majority of Aboriginal sites within the search parameters are artefact sites, identified as surface scatters or isolated finds (>90%). No AHIMS sites are located within the survey footprint or road access upgrade sections pertinent to this assessment. Figure 6 - Figure 10 shows the AHIMS site located in proximity.

Table 7: AHIMS site types recorded within the search parameters

Site Type	Number of sites	Percentage of all sites (%)
Artefact	99	90
Artefact, Stone Quarry	2	1.8
Artefact, PAD	1	0.9
Modified Tree	4	3.6
Potential Archaeological Deposit (PAD)	3	2.7
Stone quarry	1	0.9
Total number of sites	110	100

4.2. Regional Character

Stone artefact sites are the most common evidence of Aboriginal presence identified within the wider region surrounding the Project Site. Previous archaeological studies have identified the relationship between these sites, stone artefact density and their location within different landforms and the proximity to water sources.

4.3. Predictive Models

A commonly utilised tool in the planning and management of Aboriginal cultural heritage are predictive models. These models aim to identify specific landforms and places within the landscape which may contain archaeological material. They usually begin as geographically broad models, constructed through extensive reviews of the available literature to determine basic patterns of site distribution, before being refined according to the specific landform and environmental characteristics of the study area.

The predictive model considers the site types, and their likelihood of occurrence based on the landscape assessment, searches of the AHIMS and examination of regional and local Aboriginal context. The predicted site types and the likelihood of occurrence is noted below:

- Open camp sites / stone artefact scatters: High likelihood
- Isolated artefacts: High likelihood
- PAD: Moderate likelihood
- Culturally modified trees: Low likelihood
- Grinding grooves: Low likelihood
- Bora grounds / ceremonial: low to moderate likelihood
- Burials: Low likelihood
- Contact / historical sites: moderate likelihood.

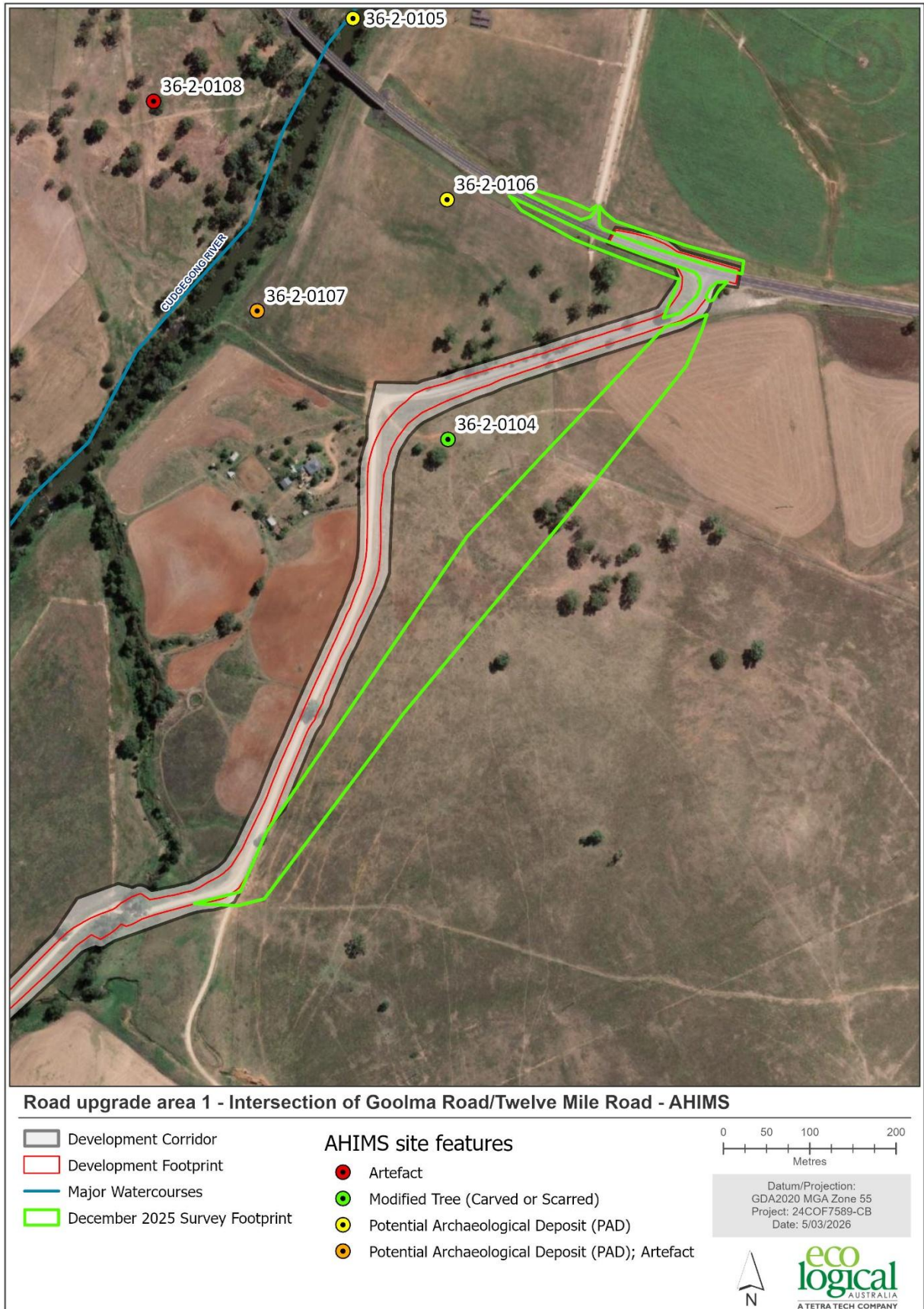


Figure 6: AHIMS sites in proximity to road upgrade area 1



Figure 7: AHIMS sites in proximity to road upgrade area 2

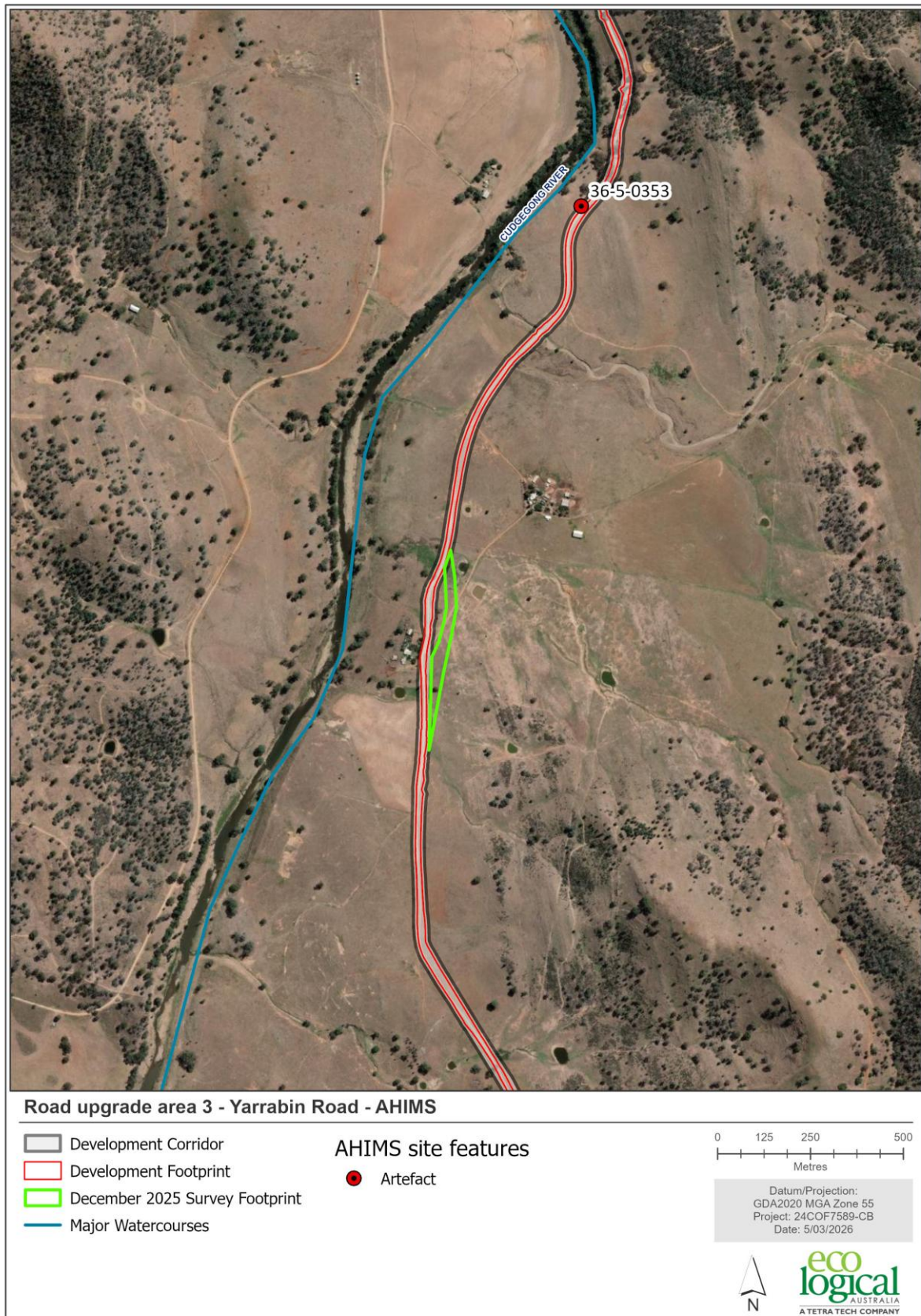


Figure 8: AHIMS sites in proximity to road upgrade area 3

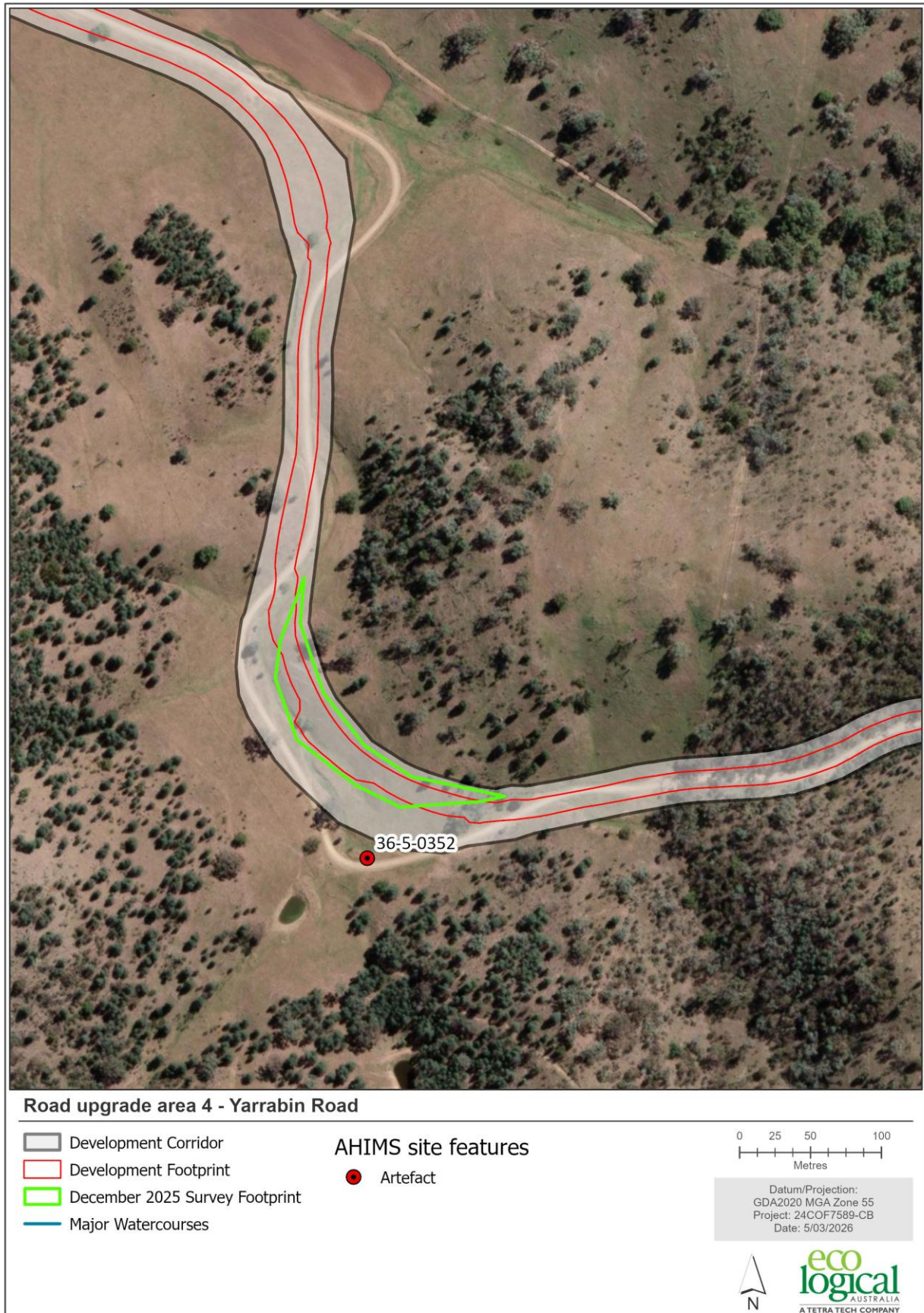


Figure 9: AHIMS sites in proximity to road upgrade area 4

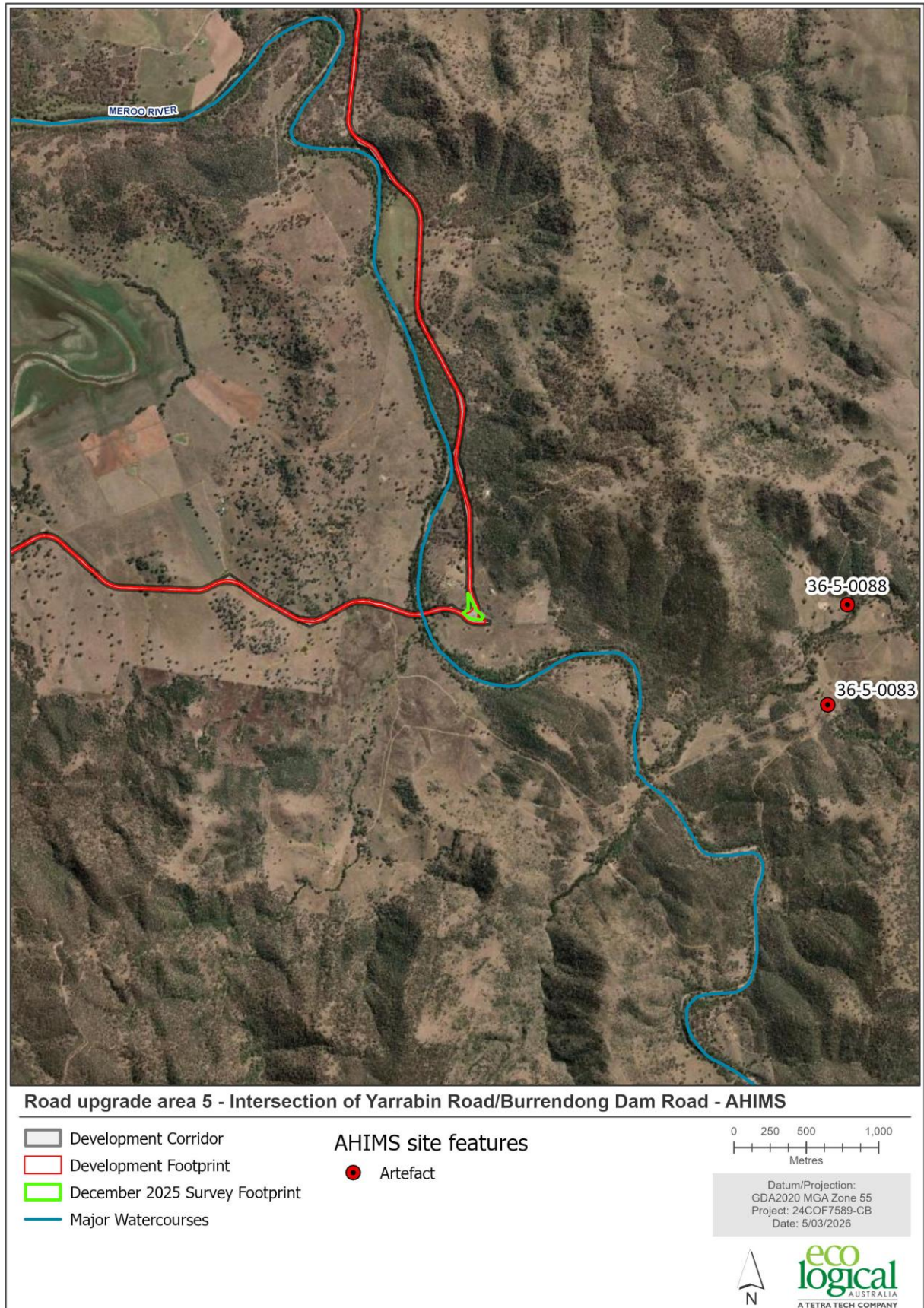


Figure 10: AHIMS sites in proximity to road upgrade area 5

5. Archaeological Survey

5.1. Survey strategy

The ACHA survey methodology aimed for landform sampling due to the size of the overall project area as set out in the ACHA methodology which was developed in consultation with the RAPs. The aim of the road upgrade areas was for full coverage archaeological survey. The survey was undertaken over a period of two days (18-19 December 2025).

5.2. Survey Team

The archaeological survey was undertaken by a team of ELA Archaeologists and RAPs.

Table 8: Archaeological survey field team

Organisation	Name
Eco Logical Australia	Charlotte Bradshaw, Senior Heritage Consultant
Eco Logical Australia	Nicola Jorgensen, Senior Heritage Consultant
Wellington Valley Wiradjuri Aboriginal Corporation	Bradley Bliss, CEO and Contact Officer
Murong Gialinga	Steven 'George' Flick
Mudgee Local Aboriginal Land Council	Jai Tanner
Mudgee Local Aboriginal Land Council	Tammy Peterson

5.3. Survey Results

The additional survey has been divided into five survey units, per each road section surveyed. A summary of each survey unit is provided in Table 9 and shown in Figure 47 - Figure 51 below.

Table 9: Survey Unit 42 Description Summary

Survey Unit 42	
Location	Survey Unit 42 (SU42) is located along Goolma Road and between the intersection of Goolma Road and Twelve Mile Road. SU42 runs through a cleared paddock utilized for grazing land and cropping. SU42 is located approximately 400 m east of Cudgegong River and 100 m from Piambong Creek.
Landform	Sloping landform, coming to a gentle rise in the centre of SU42.
Geology and soils	Uplifted Sedimentary – volcanic outcropping, large exposures of bedrock within the upper slope. Skeletal, shallow and stony soils within the lower slope. Yellowish brown to reddish brown fine sandy loams and sandy clay loams along the mid and lower slopes. Hard setting thin sandy loams, gravelly sands, loams, and clays with weak structure. Copious quartz floats and gravelly subsoils of broken shales and ironstone.
Vegetation	SU42 has largely been cleared of vegetation for grazing land or use as a road. Prior to vegetation clearance, SU42 would have been characterized by dry sclerophyll woodland with grass/shrub understory across the steep slopes to the south. Eucalypt species include white box, red stringybark, broad-leaved peppermint, red box and black cypress pine.
Archaeological potential	Within the existing road corridors, there is no archaeological potential due to the erosional nature of the soil landscape and vehicular activity. In areas outside of the road corridors in which the soil deposit is more intact, there is a higher potential for archaeology, with a higher likelihood in flat landforms close to the Cudgegong River and Meroo Creek.
Aboriginal sites identified	BWF AS98 was identified within an exposed vehicle track running parallel to the fence.



Figure 11: View south, on the mid slope of SU42, showing outcrops of basalt bedrock



Figure 12: BWF AS98 located within an exposed vehicle track



Figure 13: Basalt artefacts within BWF AS98



Figure 14: View north from the southern-most boundary of SU42

Table 10: Survey Unit 43 Description Summary

Survey Unit 43	
Location	Survey Unit 43 (SU43) is located between Twelve Mile Road, north of the intersection of Twelve Mile Road and Yarrabin Road and approximately 70 m east of Cudgegong River. SU43 runs through a partially cleared paddock utilized for grazing land.
Landform	Gently sloping, undulating landform.
Geology and soils	Uplifted Sedimentary – volcanic outcropping, large exposures of bedrock in high points. Skeletal, shallow and stony soils within the lower slopes. Yellowish brown to reddish brown fine sandy loams and sandy clay loams along the mid and lower slopes. Hard setting thin sandy loams, gravelly sands, loams, and clays with weak structure. Copious quartz floats and gravelly subsoils of broken shales and ironstone.
Vegetation	SU43 has been cleared of vegetation for grazing land and vehicular tracks. Prior to vegetation clearance, SU43 would have been characterized by dry sclerophyll woodland with grass/shrub understory across the steep slopes to the south. Eucalypt species include white box, red stringybark, broad-leaved peppermint, red box and black cypress pine. A large, old growth tree is located within the survey footprint and was identified by RAPs to be of cultural significance due to the maturity. No cultural modifications or markings were identified.
Archaeological potential	No archaeological potential identified due to shallow, skeletal soils and disturbance associated with vegetation clearance, fence installation and vehicular damage. Aboriginal object (BWF IF12) unlikely to be <i>in situ</i> .
Aboriginal sites identified	BWF IF12 was identified to the west of the fenceline.



Figure 15: View north, showing the undulating landform and the existing Twelve Mile Road to the east



Figure 16: Old growth tree within SU43



Figure 17: View south from northern-most boundary of SU43



Figure 18: View north, from the southern-most boundary of SU43

Table 11: Survey Unit 44 Description Summary

Survey Unit 44	
Location	Survey Unit 44 (SU44) runs parallel to Yarrabin Road and is approximately 250 m east of Cudgegong River. Two unnamed tributaries flow west-east from the Cudgegong River and through SU44. Both the tributaries have been dammed. SU43 is located within a cleared paddock utilized for grazing land.
Landform	Gently sloping landform, slightly elevated above the Cudgegong River
Geology and soils	Skeletal, shallow and stony soils. Minor outcrops of volcanic bedrock. Yellowish brown to reddish brown fine sandy loams and sandy clay loams along the mid and lower slopes. Hard setting thin sandy loams, gravelly sands, loams, and clays with weak structure. Crushed quartz is abundant across SU44.
Vegetation	SU44 has been cleared of vegetation for grazing land and vehicular tracks. Prior to vegetation clearance, SU44 would have been characterized by dry sclerophyll woodland with grass/shrub understory across the steep slopes to the south. Eucalypt species include white box, red stringybark, broad-leaved peppermint, red box and black cypress pine.
Archaeological potential	No archaeological potential identified due to shallow, skeletal soils and disturbance associated with vegetation clearance, fence installation and vehicular damage.
Aboriginal sites identified	BWF AS99 was identified within the exposed vehicle track and within and surrounding erosion scours.



Figure 19: View south, showing the gravelly, skeletal soils within SU44



Figure 20: Example of exposed sandy loam to sandy clay loam within SU44



Figure 21: View north, showing an overview of BWF AS99 with artefacts marked with yellow flags



Figure 22: View east from SU44, showing the rise to ridgeline in the east

Table 12: Survey Unit 45 Description Summary

Survey Unit 45	
Location	Survey Unit 45 (SU45) is located to the east of Yarrabin Road. It is transected by a dry drainage line.
Landform	Steeply sloping landform, rising to a hilltop.
Geology and soils	Skeletal, shallow and stony soils. Large outcrops of volcanic bedrock within drainage line. Yellowish brown to reddish brown fine sandy loams and sandy clay loams along the mid and lower slopes. Outcrops of quartz seams and crushed quartz across SU45.
Vegetation	Dry sclerophyll woodland with grass/shrub understory across the steep slopes to the south. Eucalypt species include white box, red stringybark, broad-leaved peppermint, red box and black cypress pine. Thick grass coverage across SU45.
Archaeological potential	No archaeological potential identified within SU45.
Aboriginal sites identified	No Aboriginal sites identified within SU45.



Figure 23: View south, within the dry drainage line running parallel to Yarrabin Road



Figure 24: Example of quartz exposures within SU45



Figure 25: View west towards Yarrabin Road, from the hill top



Figure 26: View north along the side slope within SU45

Table 13: Survey Unit 46 Description Summary

Survey Unit 46	
Location	Survey Unit 45 (SU45) is located to the east of Yarrabin Road. It is transected by a dry drainage line.
Landform	Moderately sloping landform.
Geology and soils	Volcanic bedrock outcrops. Skeletal, shallow and stony soils. Yellowish brown to reddish brown fine sandy loams and sandy clay loams along the mid and lower slopes.
Vegetation	SU46 has been predominately cleared of vegetation with remnant dry sclerophyll woodland with grass/shrub understory remaining. Eucalypt species include white box, red stringybark, broad-leaved peppermint, red box and black cypress pine.
Archaeological potential	No archaeological potential identified within SU45.
Aboriginal sites identified	BWF AS100 and BWF AS101 identified within SU46.



Figure 27: View south facing Burrendong Dam Road from the northern-most boundary of SU46



Figure 28: View north near BWF AS100, showing surface visibility along the fenceline



Figure 29: View south-west, showing moderately sloping landform within SU46



Figure 30: View west from the eastern boundary of SU46, showing bedrock exposures

5.4. Survey Coverage

Table 14 outlines the survey coverage and the associated Aboriginal sites identified through the archaeological survey. Survey coverage and tracks are shown in Figure 47 - Figure 51.

Table 14: Survey Coverage and Associated Aboriginal Sites Identified

SU	SU Area (m ²)	Visibility (V%)	Exposure (E)%	Effective Coverage Area	Effective Coverage %	Predicted Artefact Density	Aboriginal Recordings	Site
SU42	21,224	30	5	318	1.5	Low	BWF AS98	
SU43	34,309	10	5	171	0.5	Low	BWF IF12	
SU44	12,358	60	10	752	6.1	Moderate	BWF AS99	
SU45	5,062	5	5	12	0.25	Low	-	
SU46	47,765	20	5	477	1.0	Low	BWF AS100, BWF AS101	

5.5. Aboriginal Sites

The location and description of Aboriginal sites identified during the archaeological survey is presented in Table 15.

Table 15: Aboriginal Sites identified during field survey

Aboriginal Site	SU	Artefacts Density / Site Type and Location	GDA 2020 z55 Easting	GDA2020 z55 Northing
BWF AS98	SU42	Low density spread across a highly eroded vehicle track.	719558	6411309
BWF IF12	SU43	Single artefact located next to fenceline in disturbed context.	714098	6404588
BWF AS99	SU44	Moderate density artefact scatter, with high potential for further artefacts outside of surveyed area.	714063	6398075
BWF AS100	SU46	Low density artefact scatter spread across erosion scour by fenceline.	718143	6388054
BWF AS101	SU46	Low density artefact scatter spread across erosion scour.	718227	6387895

5.5.1. BWF AS98 (AHIMS ID 36-2-0867)

Site type: Artefact scatter

Site features: Artefact

Coordinates: GDA 2020 Zone 55 719558 m E 6411309 m S

Site Extent: 130 m x 80 m

A low to moderate-density surface artefact scatter located across an eroded vehicle track running north-south parallel to Twelve Mile Road (eastern side) in SU42. The site is located on a very gentle lower slope descending gradually towards Piambong Creek and Cudgegong River to the west and was identified during archaeological survey of proposed locations for road access upgrades. At its closest points, BWF AS98 is located approximately 105 m east of Piambong Creek and 285 m east of Cudgegong River.

The site consists of twenty-three stone artefacts including five complete basalt flakes, ten fragmentary basalt pieces (including flake fragments and angular fragments), one basalt core, one fragment of a basalt ground-edge axe, one hammerstone, one green chert flake, one milky quartz core, two milky quartz flake fragments, and one crystal quartz core.

The artefacts were visible on the ground surface primarily due to exposure from vehicle movement along the track and sheet erosion. Ant nests in this location may have also contributed to the artefacts' exposure. There are copious amounts of background quartz fragments, and the distribution of the artefacts has been influenced by disturbance. The soils visible were red brown sandy loams and exposed red orange clay loams.

There are no potential archaeological deposits due to the highly eroded surface and exposed shallow soil profile. The site boundaries were recorded around the artefacts and the associated area of ground exposure, bounded on the west by the edge of the property fenceline.



Figure 31: View south-west across BWF AS98. Twelve Mile Road visible in the background



Figure 32: Basalt flakes and broken cores at BWF AS98



Figure 33: Hammerstone at BWF AS98



Figure 34: Milky quartz flake fragment at BWF AS98

5.5.2. BWF IF12 (AHIMS ID 36-2-0868)

Site type: Isolated find

Site features: Artefact

Coordinates: GDA 2020 Zone 55 714098 m E 6404588 m S

Site Extent: 2 m x 2 m

An isolated broken basalt core artefact located to the west of Twelve Mile Road in SU43. The artefact has sustained significant post-depositional damage, likely from vehicle or machinery movement over its location. Three original flake scars are visible around the more recent breakage.

The artefact is located on a flat landform approximately 285m east of Cudgegong Creek and was identified during archaeological survey of proposed locations for road access upgrades. The artefact appears to have been exposed due to vehicle disturbance, faint tyre tracks suggest repeat vehicle movement over this area.

Given the isolated nature of the find and the significant post-depositional breakage, it is most likely not *in situ* and there are no potential subsurface archaeological deposits associated with this artefact.



Figure 35: Example of faint tyre tracks near to the location of BWF IF12



Figure 36: Broken basalt core

5.5.3. BWF AS99 (AHIMS ID 36-5-0501)

Site type: Artefact scatter

Site features: Artefact

Coordinates: GDA 2020 Zone 55 714063 m E 6398075 m S

Site Extent: 50 m x 226 m

A moderate-density surface artefact scatter located across a large area of stock damage, dam construction and erosion. The site is located on a very gentle lower slope descending gradually west towards Cudgegong River (approximately 230 m to the west of the site) and was identified during archaeological survey of proposed locations for road deviation in SU44. The site is located within a cleared paddock with good surface visibility, varying between exposed ground and sections of tussock grass coverage. The location is slightly elevated above the river and sheltered from the wind with good sight lines to the north, south, and west. The western site boundary extends to the edge of Yarrabin Road, and the southern edge is bounded by a fence line running approximately east-west perpendicular to Yarrabin Road.

Given the number of artefacts visible on the ground surface, recording was done on a sample basis with the 1m x 1m squares used to calculate an average highest artefact density for the site. Additional artefacts were recorded outside of these sample squares where particularly representative types or materials were identified. Based on the sampling, BWF AS99's average maximum artefact density is 6.5 artefacts per m², recorded in the central portion of the site.

A total of thirty-one stone artefacts were recorded at BWF AS99. The recorded artefacts consisted of three complete basalt flakes, two broken basalt cores, thirteen basalt flake fragments, one broken chert core, one complete chert flake, one chert flake fragment, one broken milky quartz core, one complete milky quartz flake, one heavily retouched milky quartz flake (identified as a men's initiation tool by the Aboriginal community representatives on site), four milky quartz flake fragments, two complete crystal quartz flakes, and one crystal quartz angular fragment.

The artefacts were predominantly visible in a large sheet erosion scour, sitting on exposed red orange clay loams. The area has also been repeatedly impacted by vehicles and stock, contributing to the disturbance of the site and likely causing some artefact displacement. The highest concentration of artefacts was observed in the central portion of the site, east of the junction of Yarrabin Road and a property access road. Artefacts were found in decreasing numbers towards the northern and southern

site boundaries. To the north this decreasing density correlates partially with increased disturbance associated with the roadways, informal parking bays, and earthworks for dams and drainage.

To the south of the central density, the site transitions to tussock grass coverage with artefacts becoming highly dispersed. At the southern end of the site, there is another area of ground exposure around a tree where artefacts again appear to concentrate. This exposure is immediately north of the east-west fence line marking the southern boundary of the site. The artefacts were visible on the ground surface primarily due to exposure from livestock movement and associated erosion. Vehicles may also pass through this location but there was no obvious evidence of this at the site. As with the central exposure, there are copious amounts of background quartz fragments, and the visible soils were red brown sandy loams and exposed red orange clay loams.

There are no potential subsurface archaeological deposits due to the highly eroded surface and exposed shallow soil profile. The site boundaries were recorded around the surface artefacts and the associated area of ground exposure. Based on comments from the Aboriginal community representatives on site, BWF AS99 is likely part of a connected sensitive landscape extending eastwards outside of the assessment area.



Figure 37: View north-east across a portion of BWF AS99 showing extensive sheet erosion



Figure 38: Broken basalt core at BWF AS99



Figure 39: Chert artefacts at BWF AS99



Figure 40: Retouched milky quartz flake (men's initiation tool) at BWF AS99

5.5.4. BWF AS100 (AHIMS ID 36-5-0502)

Site type: Artefact scatter

Site features: Artefact

Coordinates: GDA 2020 Zone 55 718143 m E 6388054 m S

Site Extent: 47 m x 12 m

A low to moderate-density surface artefact scatter located across an eroded vehicle track running north-south parallel to Yarrabin Road (western side) in SU46. The site is located on a moderate gradient mid slope descending to the south and west and follows the alignment of the eroded vehicle track. The eastern edge of the site is bounded by a fenceline, beyond which is a densely vegetated and modified verge bordering Yarrabin Road. The site is approximately 340 m east of the Meroo River and was identified during archaeological survey of proposed locations for road upgrades.

The site consists of thirteen artefacts, including eight complete basalt flakes, two basalt flake fragments, one complete chert flake, one proximal chert fragment, and one milky quartz flake. The artefacts were visible on the ground surface primarily due to exposure from vehicle movement and associated erosion. Livestock may also traverse this location but there was no obvious evidence of this at the site.

There are copious amounts of background quartz fragments, and the distribution of the artefacts has been influenced by disturbance. The soils visible were red brown sandy loams and exposed red orange clay loams. There are no potential subsurface archaeological deposits due to the highly eroded surface and exposed shallow soil profile.



Figure 41: View south across BWF AS100 exposure



Figure 42: Chert and basalt flakes at BWF AS100



Figure 43: Milky quartz flake at BWF AS100



Figure 44: Basalt flake at BWF AS100

5.5.5. BWF AS101 (AHIMS ID 36-5-0503)

Site type: Artefact scatter

Site features: Artefact

Coordinates: GDA 2020 Zone 55 718227 m E 6387895 m S

Site Extent: 45 m x 30 m

A low-density surface artefact scatter located across a flat landform near the intersection of Yarrabin Road and Burrendong Dam Road (west of Yarrabin Road and north of Burrendong Dam Road) in SU46. The site is approximately 340 m east of the Meroo River. The site is primarily covered in low tussock grasses interspersed with bedrock extrusions and small areas of ground exposure. Where the ground is visible it appears to be skeletal red brown clay loams. The site comprises seven stone artefacts, including two broken basalt cores, three complete basalt flakes, one medial basalt fragment, and one milky quartz flake. The artefacts were relatively dispersed across the site extent with no particular concentrations identified.

Given the apparent shallow soil profile, there are no potential subsurface archaeological deposits associated BWF AS101. These artefacts may have been exposed as the original topsoil eroded away or may have been displaced to their current locations through natural and anthropogenic processes (e.g. colluvial downslope soil movement and vehicle erosion).



Figure 45: Basalt flake at BWF AS101



Figure 46: Milky quartz flake at BWF AS101

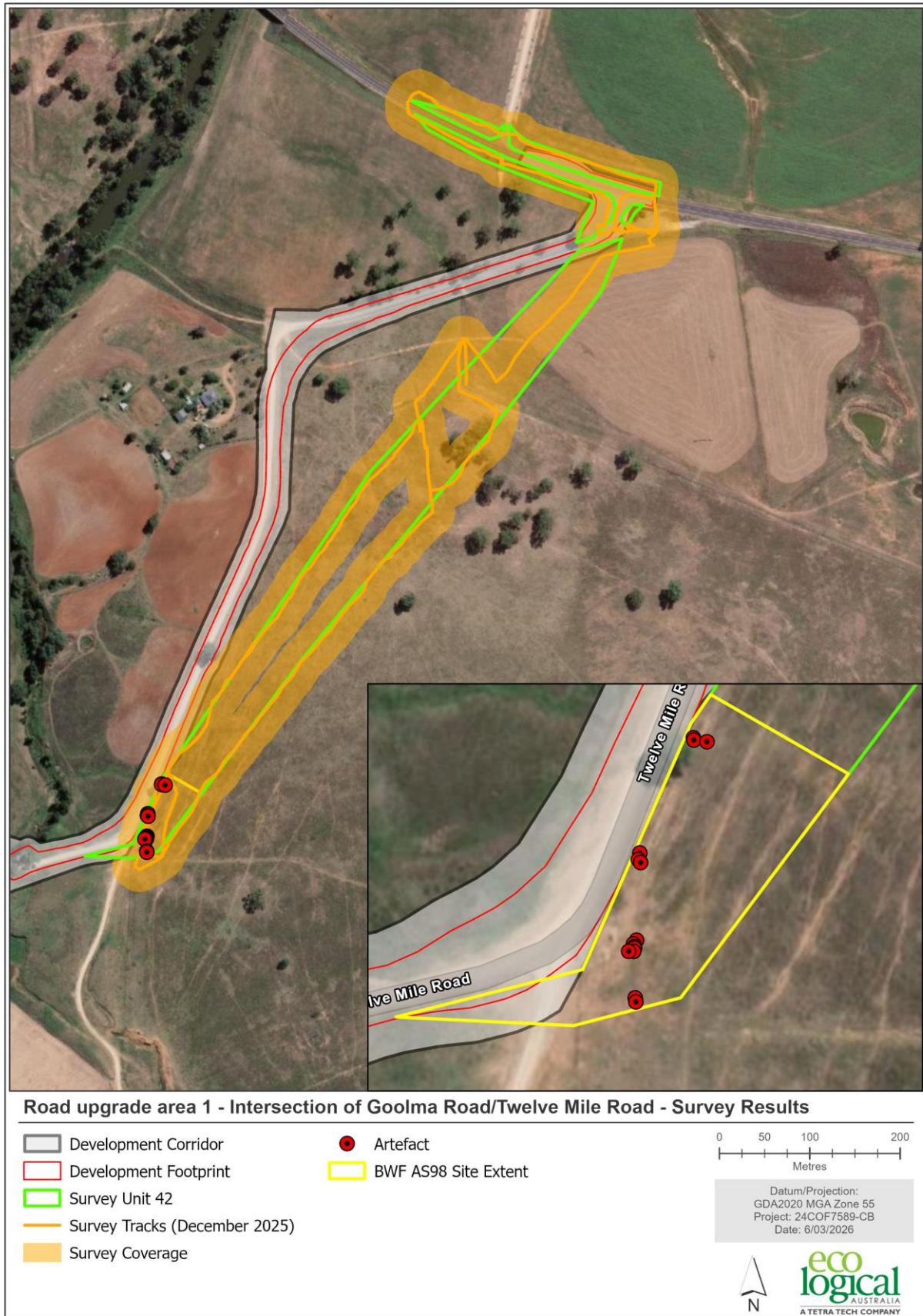


Figure 47: Survey coverage and results – road upgrade area 1



Figure 48: Survey coverage and results – road upgrade area 2



Figure 49: Survey coverage and results – road upgrade area 3



Figure 50: Survey coverage and results – road upgrade area 4

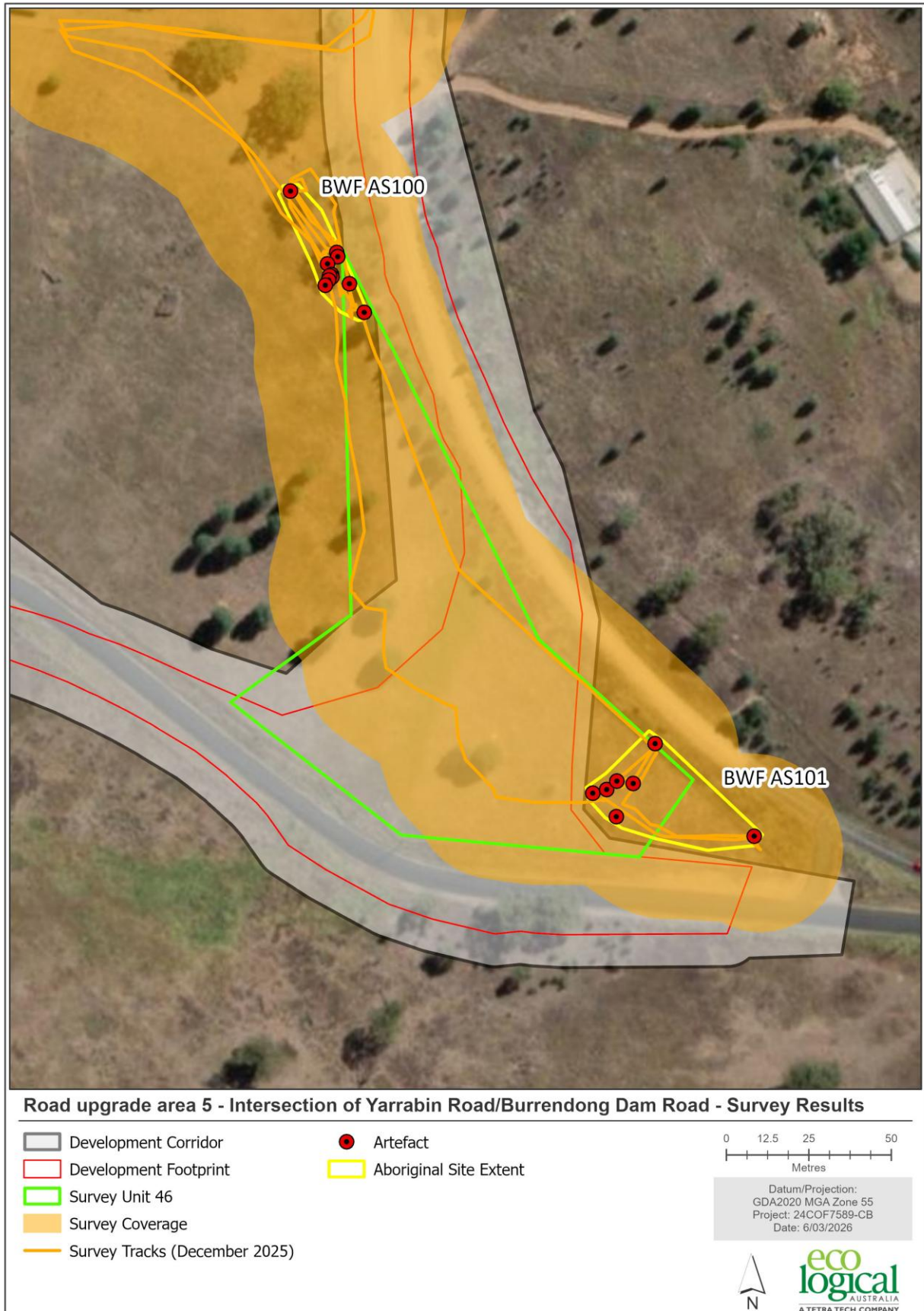


Figure 51: Survey coverage and results – road upgrade area 5

6. Cultural Heritage Values and Statement of Significance

The Aboriginal cultural value of the landscape in general, as well as the Aboriginal objects it contains, is considerably higher than the scientific value. Both the landscape and the objects which are encompassed within it are material testament to the lives of people's ancestors and the focus of their current identity, concerns, and aspirations. Therefore, the proposal would have an impact on the cultural significance which attaches to the area.

Low scientific significance has been attributed to all very low to low density stone artefact sites where site integrity was low, being located on either a disturbed or eroded landscape or having low subsurface archaeological potential. These sites are generally isolated find spots or artefact scatters where within a disturbed/eroded landscape where further investigations of the area would not contribute to our understanding of Aboriginal landscape use in the area. Based on the intactness, representativeness, and research potential, these sites are determined to have low scientific significance.

Moderate to high scientific significance has been attributed to all surface artefacts located on a landscape exhibiting moderate to high density and may have potential to contain a subsurface archaeological deposit were identified in an erosion scour. These sites generally consist of artefact scatters on a relatively undisturbed landscape. Subsequently, moderate to high scientific significance is attributed to sites where detailed investigations of the Aboriginal site would contribute to our understanding of the Aboriginal landscape use of the area. The detailed investigations may require test excavations where deposit is present in order to understand the nature and extent of the Aboriginal site, or where the eroded deposit has exposed the scatter on the surface, a detailed recording and analysis of the assemblage present would contribute to the understanding of the site context and cultural practices. Based on the intactness, representativeness, and research potential, these sites are determined to have moderate to high scientific significance.

7. Development Proposal Activity

The additional archaeological survey was undertaken to investigate road access upgrade options. The proposed road upgrades, alignments and widening has since been refined to reduce impacts to Aboriginal sites.

The impact assessment of tangible values is based on the Development Corridor which has been provided by the Proponent, and assumptions are made on the potential impacts as the final designs and layout of the Project have not been provided.

Aboriginal objects are considered to be of high cultural significance. However, Table 16 bases the overall significance of the tangible values based on the average significance across the cultural, social, spiritual, historical, aesthetic and scientific values identified.

Table 16: Impact Assessment for Aboriginal Sites

Aboriginal Site (AHIMS ID)	Overall Significance	Potential Impacts	Type of harm	Degree of harm	Consequence of harm
BWF AS98 (36-2-0867)	Low	Outside of Development Corridor.	None	None	No loss of value
BWF IF12 (36-2-0868)	Low	Site may be potentially impacted through battering works, machinery or laydown areas.	Indirect	Total	Total loss of value
BWF AS99 (36-5-0501)	Moderate	Outside of Development Corridor.	None	None	No loss of value
BWF AS100 (36-5-0502)	Low	Outside of Development Corridor.	None	None	No loss of value
BWF AS101 (36-5-0503)	Low	Outside of Development Corridor.	None	None	No loss of value

8. Mitigation and Management

BWF AS98 is a low-density artefact scatter which has been assessed as possessing low scientific significance, due to the artefact density and disturbance. The site is situated outside of the Development Corridor and is not anticipated to be impacted under the proposed works. The site must be managed through heritage inductions and signage to avoid inadvertent impacts during all ground disturbance works. Monitoring for cultural material during ground disturbance works in proximity (within 20 m) to BWF AS98 should be undertaken by an Aboriginal representative.

BWF IF12 is an isolated artefact identified in a disturbed context and assessed as possessing low scientific significance. The site is situated outside of the Development Corridor; however, it is very close so there is the potential for the site to be indirectly impacted by the road upgrade works. Avoidance must be practiced. If avoidance is not possible, movement of the object must be undertaken.

BWF AS99 is a moderate-density artefact scatter which is assessed as possessing moderate scientific significance, due to the density of artefacts, range of raw material and variety of artefact types. No areas of archaeological potential has been identified within the surface scatter due to the thin, eroded soils. The site is situated outside of the Development Corridor and is not anticipated to be impacted under the proposed works. The site must be managed through heritage inductions and signage to avoid inadvertent impacts during all ground disturbance works. Monitoring for cultural material during ground disturbance works in proximity (within 20 m) to BWF AS99 should be undertaken by an Aboriginal representative.

BWF AS100 is a low-density artefact scatter which is assessed as possessing low scientific significance, due to the density of artefacts and lack of archaeological potential. The site is situated outside of the Development Corridor and is not anticipated to be impacted under the proposed works. The site must be managed through heritage inductions and signage to avoid inadvertent impacts during all ground disturbance works. Monitoring for cultural material during ground disturbance works in proximity (within 20 m) to BWF AS100 should be undertaken by an Aboriginal representative.

BWF AS101 is a low-density artefact scatter which is assessed as possessing low scientific significance, due to the density of artefacts and lack of archaeological potential. The site is situated outside of the Development Corridor and is not anticipated to be impacted under the proposed works. The site must be managed through heritage inductions and signage to avoid inadvertent impacts during all ground disturbance works. Monitoring for cultural material during ground disturbance works in proximity (within 20 m) to BWF AS101 should be undertaken by an Aboriginal representative.

The recommended mitigation and management measures for the site are presented in Table 17. The Aboriginal sites identified as part of the archaeological surveys have been registered with AHIMS.

Table 17: Management and Mitigation for Aboriginal Sites identified in the December 2025 archaeological survey

Aboriginal Site	Overall Significance	Potential Impacts	Mitigation Measures
BWF AS98	Low	Not within Development Footprint, no potential impacts	Signage and temporary fencing to avoid site during works. Monitoring to be undertaken by Aboriginal representative/s during ground disturbance works within 20 m of BWF AS98.
BWF IF12	Low	Site may be impacted through battering works, machinery or laydown areas.	Avoidance. If cannot be avoided, then movement of Aboriginal object further away from Development Corridor and detailed recording on AHIMS.

Aboriginal Site	Overall Significance	Potential Impacts	Mitigation Measures
BWF AS99	Moderate	Not within Development Footprint, no potential impacts	Signage and temporary fencing to avoid site during works. Monitoring to be undertaken by Aboriginal representative/s during ground disturbance works within 20 m of BWF AS99.
BWF AS100	Low	Not within Development Footprint, no potential impacts	Signage and temporary fencing to avoid site during works. Monitoring to be undertaken by Aboriginal representative/s during ground disturbance works within 20 m of BWF AS100.
BWF AS101	Low	Not within Development Footprint, no potential impacts	Signage and temporary fencing to avoid site during works. Monitoring to be undertaken by Aboriginal representative/s during ground disturbance works within 20 m of BWF AS101.

9. Recommendations

The Aboriginal Sites identified at the location for the road access upgrades will require mitigation in order to minimise the potential impacts particularly during construction phase of the Project. A Cultural Heritage Management Plan (CHMP) should be prepared documenting the procedures to be followed for impact mitigation and management:

- The development of an appropriate CHMP should be undertaken in consultation with an archaeologist, the RAPs and Heritage NSW
- It would aim to provide clear guidance as to allowable impacts and to ensure the effectiveness and reliability of mitigation and management strategies which may include surface collection and movement of Aboriginal objects, if required
- It will provide information on management of Aboriginal sites outside the Development Footprint.
- It will provide management guidance of Aboriginal sites identified during pre-clearance mitigation measures within the Development Footprint.

10. References

Eco Logical Australia, 2025a. Burrendong Wind Farm Amendment Report.

Eco Logical Australia 2025b. Burrendong Wind Farm Aboriginal Cultural Heritage Report.

Department of Environment, Climate Change and Water 2010. Aboriginal Cultural Heritage Consultation Requirements for Proponents.

O'Rourke, M. 2009. Passages to the North-West Plains P1. The Colonial Discovery and Occupation of East Central New South Wales, 1817-26. Oxley, Howe, Lawson, and Cunningham. Mudgee, Merriwa, and Muswellbrook. Incorporating an extended discussion of the armed conflict between Aborigines, settlers, and police in the Hunter Valley. http://www.mudgeehistory.com.au/earlysettlement/passages_p1.html Accessed 11/11/2021.

Appendix A – AHIMS Database Search

Attached separately on the following page.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-2-0019	Goolma;	AGD	55	714375	6411431	Open site	Valid	Artefact : -	Open Camp Site	1299
	<u>Contact</u>	<u>Recorders</u>		G.W. Althofer				<u>Permits</u>		
36-2-0036	GOOLMA;	AGD	55	718690	6413320	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	1333
	<u>Contact</u>	<u>Recorders</u>		Warren Bluff				<u>Permits</u>		
36-5-0082	LOC 5A and 6A	AGD	55	721310	6387759	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>		Mr.David Maynard				<u>Permits</u>	1739	
36-5-0083	Yarrabin Rd Grattai	AGD	55	720520	6387102	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>		Mr.Giles (dup ID#12832) Hamm				<u>Permits</u>		
36-2-0104	YBCR-ST1	AGD	55	719670	6411642	Open site	Valid	Modified Tree (Carved or Scarred) : 2		98915
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>		
36-2-0105	YBCR-PAD1	AGD	55	719560	6412130	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		98915,99037,9 9042,102443
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>	1920,2060,2061	
36-2-0106	YBCR-OS2 with PAD	AGD	55	719669	6411920	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		98915,99037,9 9042,102443
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>	1920,2060,2061	
36-2-0107	YBCR-OS1 with Pad	AGD	55	719449	6411791	Open site	Valid	Potential Archaeological Deposit (PAD) : -, Artefact : 1		98915
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>		
36-2-0108	YBCR-OS3	AGD	55	719329	6412034	Open site	Valid	Artefact : 2		99038
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>	2060,2061	
36-2-0109	YBCR-OS4	AGD	55	719355	6412267	Open site	Valid	Artefact : 4		99038
	<u>Contact</u>	<u>Recorders</u>		Doctor.Jodie Benton				<u>Permits</u>	2060,2061	
36-5-0087	Restriction applied. Please contact ahims@environment.nsw.gov.au.					Open site	Valid			
	<u>Contact</u>	<u>Recorders</u>		Mr.David Maynard				<u>Permits</u>		
36-5-0088	Leaning Oak Creek Loc 2B	AGD	55	720656	6387794	Open site	Valid	Artefact : 1		
	<u>Contact</u>	<u>Recorders</u>		Mr.Warren Mayers				<u>Permits</u>		
36-5-0089	Leaning Oak Creek Loc 3B	AGD	55	721250	6388022	Open site	Valid	Artefact : -, Stone Quarry : 1		
	<u>Contact</u>	<u>Recorders</u>		Mr.David Maynard				<u>Permits</u>		
36-2-0143	UC OS 2	AGD	55	710270	6409577	Open site	Valid	Artefact : 4		

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0144	UC OS 1 with PAD	AGD	55	710371	6408520	Open site	Valid	Artefact : 30		
	Contact	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0145	GC OS 5 with PAD	AGD	55	716819	6412701	Open site	Valid	Artefact : 100		
	Contact	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0146	CT OS 7	AGD	55	717231	6412758	Open site	Valid	Artefact : 15		
	Contact	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0139	GC OS 6	AGD	55	717231	6412758	Open site	Valid	Artefact : 15		
	Contact Murong Gialinga Aboriginal an	Recorders	Mr.David Maynard,Doctor.Jodie Benton,Muronga Gialinga Aboriginal and Torres St						Permits	
36-2-0141	UC OS 3 with PAD	AGD	55	709935	6409813	Open site	Valid	Artefact : 15		
	Contact Sarah Colley	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0142	CR OS 4 with PAD	AGD	55	713405	6411246	Open site	Valid	Artefact : 1000		
	Contact	Recorders	Mr.David Maynard,Murong Gialinga Aboriginal and Torres Strait Islander Corporat						Permits	
36-2-0155	GC OS 20 with PAD	GDA	55	717258	6412904	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo						Permits	
36-2-0270	Private Rd-Gorries Lane Goolma AS	GDA	55	714665	6413356	Open site	Valid	Artefact : 4		
	Contact	Recorders	Doctor.Maria Cotter						Permits	
36-2-0317	Goolma Creek 1 GC1	GDA	55	715348	6412819	Open site	Valid	Artefact : -		102066
	Contact	Recorders	Mudgee Local Aboriginal Land Council						Permits	
36-2-0315	UR 3 (Uamby Rd)	GDA	55	713760	6411566	Open site	Valid	Artefact : -		
	Contact	Recorders	Miss.Christine Maynard						Permits	3338
36-2-0316	UR 4(Uamby Rd)	GDA	55	713830	6411582	Open site	Valid	Artefact : -		
	Contact	Recorders	Miss.Christine Maynard						Permits	3338
36-2-0318	UR 1 (Uamby rd)	GDA	55	713944	6411690	Open site	Valid	Artefact : 36		
	Contact	Recorders	Miss.Christine Maynard						Permits	
36-2-0319	UR 2 (Uamby rd)	GDA	55	713876	6411655	Open site	Valid	Artefact : 81		
	Contact	Recorders	Miss.Christine Maynard						Permits	
36-2-0391	CBR - OS - 23	GDA	55	721220	6414610	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Neville Baker						Permits	
36-2-0392	CBR - OS - 22	GDA	55	721134	6414455	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mr.Neville Baker						Permits	
36-2-0438	UWF SU13/L1	GDA	55	720773	6409698	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden						Permits	
36-5-0167	UWF SU20/L1	GDA	55	720538	6399589	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden						Permits	

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-5-0168	UWF SU20/L2	GDA	55	720549	6399657	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-5-0169	UWF SU20/L3	GDA	55	720747	6399837	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0441	UWF SU38/L1	GDA	55	718764	6408904	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0442	UWF SU39/L2	GDA	55	716945	6405936	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0443	UWF SU40/L1	GDA	55	718232	6404202	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0444	UWF SU41/L1	GDA	55	717425	6403616	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0445	UWF SU42/L1	GDA	55	717996	6402834	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0446	UWF SU43/L1	GDA	55	718486	6402006	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-5-0176	UWF SU43/L2	GDA	55	718567	6400794	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-5-0177	UWF SU43/L3	GDA	55	718860	6400418	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-5-0178	UWF SU43/L4	GDA	55	719068	6399951	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0447	UWF SU51/L1	GDA	55	708023	6406046	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0448	UWF SU51/L2	GDA	55	708117	6406053	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0449	UWF SU51/L3	GDA	55	708128	6406151	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0450	UWF SU52/L1	GDA	55	708122	6406768	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0452	UWF SU53/L1	GDA	55	708221	6406748	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0453	UWF SU65/L1	GDA	55	710434	6408805	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	
36-2-0454	UWF SU65/L2	GDA	55	710449	6409452	Open site	Valid	Artefact : -		
	Contact	Recorders		Doctor.Julie Dibden					Permits	

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-2-0455	UWF SU65/L3	GDA	55	710211	6409679	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0456	UWF SU68/L1	GDA	55	708180	6409986	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0457	UWF SU71/L1	GDA	55	712811	6405320	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0458	UWF SU72/L1	GDA	55	712066	6404020	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0459	UWF SU73/L1	GDA	55	711941	6403782	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0460	UWF SU73/L2	GDA	55	711873	6403601	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor.Julie Dibden							
36-2-0482	194 Hill End Rd Menah Quarry	GDA	55	717546	6410579	Open site	Valid	Stone Quarry : 1		
	Contact	Recorders	Mudgee Local Aboriginal Land Council ,Miss.Christine Maynard							
36-2-0488	4789 Twelve Mile Rd OS1	GDA	55	718539	6410679	Open site	Valid	Artefact : 1		
	Contact	Recorders	Mudgee Local Aboriginal Land Council ,Miss.Christine Maynard							
36-2-0489	4789 Twelve Mile Rd OS2	GDA	55	718521	6410665	Open site	Valid	Artefact : 1, Stone Quarry : 1		
	Contact	Recorders	Mudgee Local Aboriginal Land Council ,Miss.Christine Maynard							
36-5-0191	Restriction applied. Please contact ahims@environment.nsw.gov.au.					Open site	Valid			
	Contact Mr.Bradley Bliss	Recorders	Mr.Bradley Bliss,Wellington Valley Wiradjuri Aboriginal Corporation							
36-2-0481	Restriction applied. Please contact ahims@environment.nsw.gov.au.					Open site	Valid			
	Contact	Recorders	Mr.Bradley Bliss,Wellington Valley Wiradjuri Aboriginal Corporation							
36-5-0199	Restriction applied. Please contact ahims@environment.nsw.gov.au.					Open site	Valid			
	Contact Mr.Bradley Bliss	Recorders	Mr.Bradley Bliss							
36-5-0390	BWF CMT1	GDA	55	709553	6387064	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							
36-5-0351	BWF AS93	GDA	55	711434	6386801	Open site	Valid	Artefact : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							
36-5-0352	BWF AS84	GDA	55	716040	6395039	Open site	Valid	Artefact : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							
36-5-0353	BWF AS85	GDA	55	714434	6399272	Open site	Valid	Artefact : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
36-2-0811	BWF AS83	GDA	55	715982	6402478	Open site	Valid	Artefact : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							Permits
36-2-0801	UWF SU39/L1	GDA	55	716737	6406402	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-2-0802	UWF SU81/L1	GDA	55	708124	6403809	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-2-0803	UWF SU81/L2	GDA	55	708211	6403933	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-2-0804	UWF SU81/L3	GDA	55	708393	6404126	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-2-0805	UWF SU80/L1	GDA	55	708023	6403656	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-2-0806	UWF SU80/L2	GDA	55	708105	6403692	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Kelsey Bennett							Permits
36-5-0384	BWF AS76	GDA	55	709570	6387088	Open site	Valid	Artefact : -		
	Contact	Recorders	Eco Logical Australia Pty Ltd - Sydney - Individual users,Ms.Jennifer Norfolk							Permits
36-2-0816	Goolma road	GDA	55	718697	6413486	Closed site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Mr.Geoffrey Toomey							Permits
36-2-0825	CFW/TM/01	GDA	55	719344	6408943	Open site	Valid	Artefact : -		
	Contact	Recorders	MCH - McCardle Cultural Heritage Pty Ltd,Doctor.Penny Mccardle							Permits
36-2-0818	Coomalong	GDA	55	719720	6404226	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.Geoffrey Toomey							Permits
36-2-0829	Piambong AS 2	GDA	55	718143	6402904	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-5-0425	Piambong AS 3	GDA	55	718422	6401660	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-5-0427	Piambong AS 5	GDA	55	720402	6400745	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-2-0830	Piambong Creek AS 3	GDA	55	720041	6404316	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-2-0831	Piambong Creek AS 2	GDA	55	719722	6404224	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-2-0832	Piambong Creek AS 1	GDA	55	719488	6402956	Open site	Valid	Artefact : -		
	Contact	Recorders	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker							Permits
36-5-0419	Yarraman Creek AS 1	GDA	55	720583	6396349	Open site	Valid	Artefact : -		

Report generated by AHIMS Web Service on 27/02/2026 for Charlotte Bradshaw for the following area at Datum :GDA, Zone : 55, Eastings : 707490.0 - 721490.0, Northings : 6386666.0 - 6414666.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 113

This information is not guaranteed to be free from error omission. Heritage NSW and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-5-0420	Yarraman Creek AS 2	GDA	55	720961	6395657	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-5-0421	Yarraman Creek AS 3	GDA	55	721062	6395879	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-5-0422	Gulf Creek AS 1	GDA	55	719055	6396028	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-5-0423	Gulf Creek AS 2	GDA	55	718334	6396281	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0826	Piambong IF 1	GDA	55	717014	6406188	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0827	Piambong IF 2	GDA	55	718016	6402878	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-5-0424	Shawns Creek AS 1	GDA	55	721412	6391774	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0828	Piambong AS 1	GDA	55	717910	6403540	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0849	Morrowalga IF 1	GDA	55	721418	6413411	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0850	Morrowalga IF 2	GDA	55	721488	6413804	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0851	Piambong Creek AS 11	GDA	55	718936	6409710	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0852	Piambong Creek AS 10	GDA	55	718922	6409672	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0853	Piambong Creek AS 9	GDA	55	718944	6409630	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0854	Piambong Creek AS 8	GDA	55	718959	6409278	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0855	Piambong Creek AS 6	GDA	55	719042	6409132	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0856	Piambong Creek AS 7	GDA	55	718982	6409221	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0857	Piambong Creek AS 5	GDA	55	719109	6409021	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker						<u>Permits</u>	
36-2-0858	Piambong Creek AS 4 with PAD	GDA	55	718888	6407719	Open site	Valid	Artefact : -		

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0859	Piambong Creek AS 13	GDA	55	718726	6409796	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0860	Piambong Creek AS 12	GDA	55	718776	6409796	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0839	Piambong Creek IF 5	GDA	55	719045	6409099	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0840	Piambong Creek IF 4	GDA	55	719103	6409068	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0841	Piambong Creek IF 3	GDA	55	718492	6407543	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0842	Piambong Creek IF 1	GDA	55	718781	6407903	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0843	Piambong Creek IF 2	GDA	55	719121	6408071	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0844	Shearman IF 2	GDA	55	717475	6411182	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0845	Shearman IF 1	GDA	55	717474	6411150	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0846	Piambong Creek IF 6	GDA	55	719021	6409165	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0847	Morrowalga AS 1	GDA	55	721248	6414037	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		
36-2-0848	Morrowalga AS 2 with PAD	GDA	55	721268	6414166	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	OzArk Environmental and Heritage Management - Dubbo,Mr.Ryan Zanker					<u>Permits</u>		

** Site Status

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

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

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

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

Appendix B – Consultation Log

The following consultation log and correspondence documents the additional consultation undertaken specifically for the road upgrade works. The ACHA consultation process is documented in Section 2 and Appendix D of the ACHA (ELA, 2025b).

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
Request to Resume Lapsed Consultation						
Alison Lamond	Heritage NSW	Charlotte Bradshaw	ELA	Email	07/11/2025	Hello Charlotte, As the lapse in consultation is only 7 months within an overall 5 year consultation process for Burrendong Wind Project (SSD-8950984), Heritage NSW agrees continuing consultation on the amendment with the established Registered Aboriginal Parties (RAPs) and not undertaking the Stage 1 notification process again would be appropriate. To expedite the future review of the amendment report please include this email as part of the ACHA supporting documentation.
Project Update – 12/11/2025						
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	12/11/2025	Dear RAPs, I hope you have all been well. Thank you for your continued involvement in this project. I am writing regarding the Burrendong Wind Farm project to provide an update and inform you all of some modifications to the footprint. The last correspondence you would have received from my colleague Jennifer Norfolk on 3 September 2024 with Version 8 of the draft ACHA. Since then, the ACHA has been provided to the department as part of the Response to Submissions and Amendment report. Prior to accepting the response to submissions, The Department requested additional information be incorporated within the amendment report including heritage assessment for all ground disturbance associated with road upgrades and hardstands at intersection
Debbie Foley	Murong Gialinga	Charlotte Bradshaw	ELA	Email	12/11/2025	
	Mudgee Local Aboriginal Land Council	Charlotte Bradshaw	ELA	Email	12/11/2025	
Jame Grey	Binjang Wellington Wiradjuri Aboriginal Heritage Surveys	Charlotte Bradshaw	ELA	Email	12/11/2025	
Marilyn Caroll-Johnson	Corroboree Aboriginal Corporation	Charlotte Bradshaw	ELA	Email	12/11/2025	

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						upgrades, Ark (the proponent) has identified a small area of hardstand at an intersection not covered by the ACHA (see attached Project Layout map). Additionally, through close consultation with the Mid-Western Regional Council (MWRC) and affected landholders along the transport route, some modifications to road alignments are being explored. The purpose of these changes is to: Minimise impact on residential properties by avoiding road alignments close to house frontages. Reduce disruption to smaller landholdings by returning the road alignment to the existing road reserve where possible. Streamline infrastructure upgrades by combining the Goolma/Twelve Mile and Goolma/Twelve Mile Flat intersection works, which also support a landholder's quarry development. The proponent is therefore exploring some potential future road upgrades (see attached Project Layout map). Could you please review the additional sections and let me know if you recommend further survey be undertaken? If you have any questions, please don't hesitate to reach out. Kind regards, Charlotte Bradshaw
Responses to Project Update						
Charlotte Bradshaw	ELA	Aleisha	Mudgee LALC	Email	12/11/2025	Hi Charlotte, thanks for the update. Due to the prevalence of Aboriginal cultural Heritage sites in these areas would

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						recommend surveying the additional sections just to ensure that if there are unrecorded Aboriginal Cultural Heritage sites that they are identified so that they can be managed. Regards Aleshia
Charlotte Bradshaw	ELA	Bradley Bliss	WVWAC	Phone	12/11/2025	<i>See page 55 for phone call notes.</i>
Field survey findings correspondence						
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	20/01/2026	Hi all, I hope you have all had a happy new year. ArkEnergy are working on refining the road upgrade footprints to minimise impacts to Aboriginals objects. Below I have included a short breakdown of each road area, the findings from the December 2025 survey, the recommendations put forward by RAPs and an update to the road alignment footprint. See also attached the road upgrade footprints and survey results. <u>Area 1/Goolma-Twelve Mile Road Intersection</u> Survey findings: Artefact scatter identified in the southern portion of the upgrade area. RAP Recommendations (Dec 2025): Avoidance of all sites. If sites cannot be avoided, test pits to find the subsurface extent then surface collection and monitoring during works. January 2026 Footprint: The road alignment has been refined though still partially impacts the scatter (see map attached – green outline is refined footprint, purple is what we surveyed). Surface collection and monitoring during works is still recommended. Subsurface investigations were discussed in the field with higher likelihood to the east of the surface artefacts. <i>Is test pitting still a recommendation with the refined footprint?</i> <u>Area 2/Approach to Twelve Mile Yarrabin intersection</u>
Debbie Foley	Murong Gialinga	Charlotte Bradshaw	ELA	Email	20/01/2026	
	Mudgee Local Aboriginal Land Council	Charlotte Bradshaw	ELA	Email	20/01/2026	

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						Survey findings: One isolated artefact. An old growth tree of cultural significance. RAP Recommendations: Avoidance of the artefact and tree. If artefact cannot be avoided, surface collection/<u>movement</u>. January 2026 Footprint: The road alignment has been refined to avoid the location of the artefact and the old growth tree. There is a 3 m distance from the artefact and footprint. <i>Considering this, is surface collection/movement still recommended? Would a buffer zone surrounding the artefact be a preferred option?</i> <u>Area 3/Bishop House</u> Survey findings: Large artefact scatter, inc. quartz initiation tool. Further surface and possibly subsurface artefacts likely extend up to the crest to the east of the survey area as well. RAP recommendations: Avoidance, re-design of road to be closer to existing roads. If avoidance is not possible, surface collection, monitoring during works. If avoidance not possible for initiation tool, collection. January 2026 Footprint: No road deviation proposed, avoids the scatter site extent entirely. Surface collection not applicable, <i>is monitoring during works still recommended?</i> <u>Area 4/Yarrabin Road Widening</u> Survey findings: No constraints identified (no artefacts or areas of potential). RAP recommendations: No recommendations – unexpected finds procedure. <u>Area 5/Yarrabin Road and Burrendong Dam Road intersection</u> Survey findings: Two artefact scatters identified. No PAD identified. RAP Recommendations: Avoidance. Surface collection if avoidance is not possible. January 2026 Footprint: Avoidance, re-design of road deviation. <i>Surface collection not applicable, are there any additional recommendations (other than unexpected finds)?</i> If you could please review these footprint updates and provide any feedback on the recommendations considering the refined footprint. Please feel free to give me a call to discuss.

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						Kind regards, Charlotte Bradshaw
Charlotte Bradshaw	ELA	Bradley Bliss	WVWAC	Email	27/01/2026	Hi Charlotte, Wellington Valley Wiradjuri Aboriginal Corporation Knowledge Holders, Field Officers and Members with Apical connections to the project area have conducted discussions in person and via telephone. WVWAC have the following comments and or recommendations: Area 1/Goolma-Twelve Mile Road Intersection Yes, test pitting still a recommendation within the refined footprint only, surface collection of any cultural material that will be impacted and monitoring during works. Area 2/Approach to Twelve Mile Yarrabin intersection The proposed Avoidance of this artefact with a 3m buffer zone surrounding the artefact would be our preferred option. Area 3/Bishop House Within the refined footprint, surface collection of any cultural material that will be impacted (some present in existing road easement) and monitoring during works. Area 4/Yarrabin Road Widening No recommendations – unexpected finds protocol. Area 5/Yarrabin Road and Burrendong Dam Road intersection Yes, test pitting within the refined footprint only, in the lower portion to determine if any sub-surface deposit and surface collection of any cultural material that will be impacted not identified in the survey and monitoring during works. These areas must all have an unexpected finds protocol. Questions asked by those consulted: Is that the ACAR? If not ok, if it is then it breaches the consultation guidelines. Why given a few days to a week for comments not the minimum 28 days? Regards Bradley R Bliss
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	27/01/2026	Hi Brad,

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						Thank you for your response. This is not the ACHA, this is to inform the design of the roads and minimise impacts to sites. The new findings and updated recommendations will be incorporated into the latest ACHA version for RAP comment at a later date. With Area 5 – during the survey, test excavation was not put forward as a recommendation, with the consensus being that the areas of surface visibility showed skeletal soils and exposures of clay deposit. The refined footprint is located on a moderately sloping landform with no artefacts identified. I did not identify any viable areas for subsurface investigation within the refined footprint area. Was there something else you would like to raise since what we discussed in the field? Kind regards, Charlotte Bradshaw
Charlotte Bradshaw	ELA	Charlotte Bradshaw	ELA	Phone	28/01/2026	<i>See page 59 for phone call notes.</i>
Project Update – 03/02/2026						
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	03/02/2026	Thank you for your continued input in these project updates. To update you on the road upgrade footprints, ArkEnergy have re-designed the Area 1 footprint to avoid the artefact scatter. No objects have been identified within the road so surface collection is not applicable. Is monitoring still recommended near the scatter/within road footprint?
Debbie Foley	Murong Gialinga	Charlotte Bradshaw	ELA	Email	03/02/2026	
	Mudgee Aboriginal Council Local Land	Charlotte Bradshaw	ELA	Email	03/02/2026	
Charlotte Bradshaw	ELA	Bradley Bliss	WVWAC	Email	03/02/2026	Hi Charlotte, Yes monitoring is still required just to ensure there is no Cultural material present
Draft Heritage Memo RAP Review						
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	10/03/2026	Sent draft heritage memo for 28-day RAP review deadline of 7 April 2026.
Debbie Foley	Murong Gialinga	Charlotte Bradshaw	ELA	Email	10/03/2026	Sent draft heritage memo for 28-day RAP review deadline of 7 April 2026.
	Mudgee Aboriginal Council Local Land	Charlotte Bradshaw	ELA	Email	10/03/2026	Sent draft heritage memo for 28-day RAP review deadline of 7 April 2026.
Jame Grey	Binjang Wellington	Charlotte Bradshaw	ELA	Email	10/03/2026	Sent draft heritage memo for 28-day RAP review deadline of 7 April 2026.

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
	Wiradjuri Aboriginal Heritage Surveys					
Marilyn Caroll-Johnson	Corroboree Aboriginal Corporation	Charlotte Bradshaw	ELA	Email	10/03/2026	Sent draft heritage memo for 28-day RAP review deadline of 7 April 2026.
Draft Heritage Memo RAP review - responses						
Charlotte Bradshaw	ELA	Bradley Bliss	WVWAC	Email	18/03/2026	Hi Charlotte, Wellington Valley Wiradjuri Aboriginal Corporation Elders, Knowledge Holders with Connection to the project area, Field Officers and general members have discussed the project, the recent road alignment surveys and agree to the current proposed alignments. WVWAC request that ground disturbance monitoring be carried out at the following locations: Road Upgrade Area 1 - On Twelve Mile Road section only close to identified site with buffer 50m each side. Road Upgrade Area 3 - Artefacts identified in the existing road corridor and the December Survey area. Road Upgrade Area 5 - Artefacts identified close to location of proposed works. I regards to BWF IF12, please Avoid by using fencing and signage if not possible, relocation is agreed to. Regards, Bradley R. Bliss
Charlotte Bradshaw	ELA	Marilyn Caroll-Johnson	Corroboree Aboriginal Corporation	Email	31/03/2026	Hi Charlotte We do not foresee any issues with this random Thanks, Marilyn
Bradley Bliss	WVWAC	Charlotte Bradshaw	ELA	Email	02/04/2026	Thank you, Brad.

Contact	Organisation	Contacted by	Organisation	Method	Date	Comment/Response
						I have updated the recommendations to include monitoring by Aboriginal representatives for works in close proximity to BWF AS98, BWF AS99, BWF AS100 and BWF AS101. I have attached for your records the site cards for sites we identified in December. Kind regards, Charlotte Bradshaw

Heritage NSW Correspondence

From: [Alison Lamond](#)
To: [Bradshaw, Charlotte](#); [heritagemailbox](#)
Cc: [Jane Ewers](#); [Andrew Wilson](#); [Magdi, Daniel](#); [Bathgate, Emma](#)
Subject: RE: Burrendong Wind Farm Project - Aboriginal Consultation
Date: Friday, 7 November 2025 12:10:53 PM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Hello Charlotte,

As the lapse in consultation is only 7 months within an overall 5 year consultation process for Burrendong Wind Project (SSD-8950984), Heritage NSW agrees continuing consultation on the amendment with the established Registered Aboriginal Parties (RAPs) and not undertaking the Stage 1 notification process again would be appropriate.

To expedite the future review of the amendment report please include this email as part of the ACHA supporting documentation.

In the future Heritage NSW advises that advice requests are sent to the Heritage mailbox; HERITAGEMailbox@environment.nsw.gov.au rather than a single Heritage NSW staff member to ensure a timely response to your enquiry in the event of staff leave etc.

Regards

Alison Lamond *BSci, BA (Hons), (she/her)*
 A/ Strategic Manager - Major Projects
 Heritage NSW
 Department of Climate Change,
 Energy, the Environment and Water

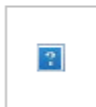
M 0419 762 918 E alison.lamond@dcceew.nsw.gov.au

dcceew.nsw.gov.au

Level 3, 6 Stewart Ave
 Newcastle West NSW 2303

Locked Bag 1002, Dangar NSW 2309

Working days Monday to Friday, 9:00am - 5:00pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Bradshaw, Charlotte <CharlotteB@ecoaus.com.au>

Sent: Thursday, 6 November 2025 4:37 PM

To: Alison Lamond <alison.lamond@dcceew.nsw.gov.au>

Cc: Jane Ewers <jane.ewers@arkenergy.com.au>; Andrew Wilson

<andrew.wilson@arkenergy.com.au>; Magdi, Daniel <DanielM@ecoaus.com.au>; Bathgate,

Emma <EmmaB@ecoaus.com.au>

Subject: Burrendong Wind Farm Project - Aboriginal Consultation

Importance: High

Hi Alison,

As I understand, you have been involved in the assessment of Aboriginal cultural heritage component for the Burrendong Wind Project (SSD-8950984) thus far. I am writing regarding the lapsed Aboriginal consultation for the project and a request to resume consultation from where it last lapsed. Consultation kicked off in February 2020 and had been continuous until the most recent draft ACHA version which was provided to RAPs on 3 September 2024, with a comment window until 4 October 2024. Since then, the ACHA has been provided to the department as part of the Response to Submissions and Amendment report, and consultation lapsed on 4 April 2025, as the ACHA was considered finalised.

Prior to accepting the response to submissions, The Department requested additional information be incorporated within the amendment report including heritage assessment for all ground disturbance associated with road upgrades and hardstands at intersection upgrades, Ark (the proponent) has identified a small area of hardstand at an intersection not covered by the ACHA

Additionally, through close consultation with the Mid-Western Regional Council (MWRC) and affected landholders along the transport route, some modifications to road alignments are being explored. The purpose of these changes is to:

- **Minimise impact** on residential properties by avoiding road alignments close to house frontages.
- **Reduce disruption** to smaller landholdings by returning the road alignment to the existing road reserve where possible.
- **Streamline infrastructure** upgrades by combining the Goolma/Twelve Mile and Goolma/Twelve Mile Flat intersection works, which also support a landholder's quarry development.

To satisfy the requests the Department, MWRC and the landholders, some amendments to the road footprint is necessary. As consultation has lapsed, we are requesting that we resume it in order to provide a project update and information to Aboriginal stakeholders regarding the change in footprint and request for comment on the modification. As the RAPs have been continuously involved from the Project's inception, we feel the best outcome is to continue consulting with the RAPs who have been involved for the past five years rather than re-start consultation.

In order to satisfy the above modifications and provide a project update to RAPs, this matter is time sensitive, and a prompt resolution would be highly appreciated. Ark would welcome the opportunity to discuss the matter with the Heritage NSW team. I'm happy to set that up a meeting if you are agreeable.

If you require any additional information, please let me know.

Kind regards,

Charlotte Bradshaw (She/her/hers)
Heritage Consultant

Project Update – 12 November 2025

Email sent to RAPs:

From: [Bradshaw, Charlotte](#)
To: ["comoboreecorp@bigpond.com"](#); ["gunjeewong@yahoo.com.au"](#); ["murongglalinga@hotmail.com"](#); ["VWWAC@hotmail.com"](#); ["mudgeelalc@bigpond.com"](#); ["jamiegray66@gmail.com"](#)
Subject: Burrendong WF EIS - Project Update
Date: Wednesday, 12 November 2025 10:41:00 AM
Attachments: [ProjectLayout_OptionalSections_Nov2025_3.pdf](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Dear RAPs,
 I hope you have all been well. Thank you for your continued involvement in this project.

I am writing regarding the Burrendong Wind Farm project to provide an update and inform you all of some modifications to the footprint.

The last correspondence you would have received from my colleague Jennifer Norfolk on 3 September 2024 with Version 8 of the draft ACHA. Since then, the ACHA has been provided to the department as part of the Response to Submissions and Amendment report.

Prior to accepting the response to submissions, The Department requested additional information be incorporated within the amendment report including heritage assessment for all ground disturbance associated with road upgrades and hardstands at intersection upgrades, Ark (the proponent) has identified a small area of hardstand at an intersection not covered by the ACHA (see attached Project Layout map).

Additionally, through close consultation with the Mid-Western Regional Council (MWRC) and affected landholders along the transport route, some modifications to road alignments are being explored. The purpose of these changes is to:

- **Minimise impact** on residential properties by avoiding road alignments close to house frontages.
- **Reduce disruption** to smaller landholdings by returning the road alignment to the existing road reserve where possible.
- **Streamline infrastructure** upgrades by combining the Goolma/Twelve Mile and Goolma/Twelve Mile Flat intersection works, which also support a landholder's quarry development.

The proponent is therefore exploring some potential future road upgrades (see attached Project Layout map).

Could you please review the additional sections and let me know if you recommend further survey be undertaken?

If you have any questions, please don't hesitate to reach out.

Kind regards,



Charlotte Bradshaw (She/her/hers)
 Heritage Consultant

P: +61 2 9259 3794
 W: [ecoaus.com.au](#)

Level 13, 420 George Street, Sydney, NSW 2000 | Australia



Responses:

From: mudgeelalc@bigpond.com <mudgeelalc@bigpond.com>
Sent: Wednesday, 12 November 2025 1:20 PM
To: Bradshaw, Charlotte <CharlotteB@ecoaus.com.au>
Subject: Re: Burrendong WF EIS - Project Update

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Hi Charlotte,
thanks for the update.

Due to the prevalence of Aboriginal cultural Heritage sites in these areas would recommend surveying the additional sections just to ensure that if there are unrecorded Aboriginal Cultural Heritage sites that they are identified so that they can be managed.

Regards
Aleshia

Phone conversation notes between Charlotte Bradshaw (ELA) and Brad Bliss (WVWAC):

Phone Call 12 November 2025, 4:39 PM
From: Bradley Bliss
To: Charlotte Bradshaw

- Called to say he received my email with the project update and additional road sections
- Says field survey needs to occur in the additional areas

Post-survey correspondence

Email sent to RAPs involved in December 2025 Survey:

From: [Bradshaw, Charlotte](#)
To: mudgeelak@bigpond.com; [WWWAC Contact Officer](#); [Murrong Giallinga](#); dfoley2850@hotmail.com
Subject: Burrendong WF Road Upgrade Areas - Aboriginal Site Avoidance
Date: Tuesday, 20 January 2026 1:14:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Additional Road Areas - Aboriginal Sites Area 1.jpg](#)
[Additional Road Areas - Aboriginal Sites Area 2.jpg](#)
[Additional Road Areas - Aboriginal Sites Area 3.jpg](#)
[Additional Road Areas - Aboriginal Sites Area 5.jpg](#)

Hi all,
 I hope you have all had a happy new year.

ArkEnergy are working on refining the road upgrade footprints to minimise impacts to Aboriginal objects. Below I have included a short breakdown of each road area, the findings from the December 2025 survey, the recommendations put forward by RAPs and an update to the road alignment footprint. See also attached the road upgrade footprints and survey results.

Area 1/Goolma-Twelve Mile Road Intersection

Survey findings: Artefact scatter identified in the southern portion of the upgrade area.
RAP Recommendations (Dec 2025): Avoidance of all sites. If sites cannot be avoided, test pits to find the subsurface extent then surface collection and monitoring during works.

January 2026 Footprint: The road alignment has been refined though still partially impacts the scatter (see map attached – green outline is refined footprint, purple is what we surveyed). Surface collection and monitoring during works is still recommended. Subsurface investigations were discussed in the field with higher likelihood to the east of the surface artefacts. *Is test pitting still a recommendation with the refined footprint?*

Area 2/Approach to Twelve Mile Yarrabin intersection

Survey findings: One isolated artefact. An old growth tree of cultural significance.

RAP Recommendations: Avoidance of the artefact and tree. If artefact cannot be avoided, surface collection/movement.

January 2026 Footprint: The road alignment has been refined to avoid the location of the artefact and the old growth tree. There is a 3 m distance from the artefact and footprint. *Considering this, is surface collection/movement still recommended? Would a buffer zone surrounding the artefact be a preferred option?*

Area 3/Bishop House

Survey findings: Large artefact scatter, inc. quartz initiation tool. Further surface and possibly subsurface artefacts likely extend up to the crest to the east of the survey area as well.

RAP recommendations: Avoidance, re-design of road to be closer to existing roads. If avoidance is not possible, surface collection, monitoring during works. If avoidance not possible for initiation tool, collection.

January 2026 Footprint: No road deviation proposed, avoids the scatter site extent entirely. Surface collection not applicable, *is monitoring during works still recommended?*

Area 4/Yarrabin Road Widening

Survey findings: No constraints identified (no artefacts or areas of potential).

RAP recommendations: No recommendations – unexpected finds procedure.

Area 5/Yarrabin Road and Burrendong Dam Road intersection

Survey findings: Two artefact scatters identified. No PAD identified.

RAP Recommendations: Avoidance. Surface collection if avoidance is not possible.

January 2026 Footprint: Avoidance, re-design of road deviation. *Surface collection*

not applicable, are there any additional recommendations (other than unexpected finds)?

If you could please review these footprint updates and provide any feedback on the recommendations considering the refined footprint.

Please feel free to give me a call to discuss.

Kind regards,



Charlotte Bradshaw (She/her/hers)
Senior Heritage Consultant

P: +61 2 9259 3794
W: ecoaus.com.au

Level 13, 420 George Street, Sydney, NSW 2000 | Australia

Responses:

From: [Bradshaw, Charlotte](#)
To: [WVWAC Contact Officer](#)
Subject: RE: Burrendong WF Road Upgrade Areas - Aboriginal Site Avoidance
Date: Tuesday, 27 January 2026 4:28:00 PM
Attachments: [image001.png](#)

Hi Brad,

Thank you for your response. This is not the ACHA, this is to inform the design of the roads and minimise impacts to sites. The new findings and updated recommendations will be incorporated into the latest ACHA version for RAP comment at a later date.

With Area 5 – during the survey, test excavation was not put forward as a recommendation, with the consensus being that the areas of surface visibility showed skeletal soils and exposures of clay deposit. The refined footprint is located on a moderately sloping landform with no artefacts identified. I did not identify any viable areas for subsurface investigation within the refined footprint area. Was there something else you would like to raise since what we discussed in the field?

Kind regards,



Charlotte Bradshaw (She/her/hers)
 Senior Heritage Consultant
 P: +61 2 9259 3794

Eco Logical Australia acknowledges Traditional Custodians of Gadigal Country and recognises the continuing connection to lands, waters and communities. We pay our respect to Aboriginal and Torres Strait Islander cultures; and to Elders past and present. Through this acknowledgement we commit to ongoing learning and understanding on our journey to reconciliation.

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: WVWAC Contact Officer <WVWAC@hotmail.com>
Sent: Monday, 26 January 2026 6:57 PM
To: Bradshaw, Charlotte <CharlotteB@ecoaus.com.au>
Subject: Re: Burrendong WF Road Upgrade Areas - Aboriginal Site Avoidance

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Hi Charlotte,

Wellington Valley Wiradjuri Aboriginal Corporation Knowledge Holders, Field Officers and Members with Apical connections to the project area have conducted discussions in person and via telephone. WVWAC have the following comments and or recommendations:

Area 1/Goolma-Twelve Mile Road Intersection

Yes, test pitting still a recommendation within the refined footprint only, surface collection of any cultural material that will be impacted and monitoring during works.

-
Area 2/Approach to Twelve Mile Yarrabin intersection

The proposed Avoidance of this artefact with a 3m buffer zone surrounding the artefact would be our preferred option.

Area 3/Bishop House

Within the refined footprint, surface collection of any cultural material that will be impacted (some present in existing road easement) and monitoring during works.

Area 4/Yarrabin Road Widening

No recommendations – unexpected finds protocol.

Area 5/Yarrabin Road and Burrendong Dam Road intersection

Yes, test pitting within the refined footprint only, in the lower portion to determine if any sub-surface deposit and surface collection of any cultural material that will be impacted not identified in the survey and monitoring during works.

These areas must all have an unexpected finds protocol.

Questions asked by those consulted:

Is that the ACAR? If not ok, if it is then it breaches the consultation guidelines.
Why given a few days to a week for comments not the minimum 28 days?

Regards

Bradley R Bliss J.P.
WVWAC CEO and Contact Officer
P.O. Box 1583
Orange NSW 2800
M: 0427321016

Phone conservation notes between Charlotte Bradshaw (ELA) and Brad Bliss (WVWAC):

Phone call 28 January 2026, 9:10 AM
From: Bradley Bliss (WVWAC)
To: Charlotte Bradshaw
RE: Area 5 (Intersection of Burrendong Dam Road and Yarrabin Road)
- Brad Bliss (WVWAC) agrees that test excavation is not required however has to pass on the recommendations of the other board members
- Brad Bliss agrees that the soils are shallow/skeletal

Project Update – 3 February 2026

Email sent to RAPs involved in December 2025 survey:

From: [Bradshaw, Charlotte](mailto:bradshaw_charlotte@burrendong.com)
To: mudgeelak@burrendong.com; [WWWAC-Contact-Officer](mailto:WWWAC-Contact-Officer@Murrumbidgee.com); [Murray-Gallings](mailto:Murray-Gallings@disney2850@hotmail.com)
Subject: RE: Burrendong WF Road Upgrade Areas - Aboriginal Site Avoidance
Date: Tuesday, 3 February 2026 2:36:00 PM
Attachments: [Image005.png](#)
[Image006.png](#)
[Image007.png](#)
[Image008.png](#)
[Image009.png](#)

Hi all,
 Thank you for your continued input in these project updates.

To update you on the road upgrade footprints, ArkEnergy have re-designed the Area 1 footprint to avoid the artefact scatter. No objects have been identified within the road so surface collection is not applicable. Is monitoring still recommended near the scatter/within road footprint?



Kind regards,



Charlotte Bradshaw (She/her/hers)
 Senior Heritage Consultant
 P: +61 2 9259 3794

Eco Logical Australia acknowledges Traditional Custodians of Gadigal Country and recognises the continuing connection to lands, waters and communities. We pay our respect to Aboriginal and Torres Strait Islander cultures; and to Elders past and present. Through this acknowledgement we commit to ongoing learning and understanding on our journey to reconciliation.

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Responses:

From: [WWAC Contact Officer](#)
To: [Bradshaw, Charlotte](#); [mudgeelak@bigpond.com](#); [Murong Gialinga](#); [dfoley2850@hotmail.com](#)
Subject: Re: Burrendong WF Road Upgrade Areas - Aboriginal Site Avoidance
Date: Tuesday, 3 February 2026 3:03:02 PM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Hi Charlotte,

Yes monitoring is still required just to ensure there is no Cultural material present

Bradley R Bliss J.P.
WWAC CEO and Contact Officer
P.O. Box 1583
Orange NSW 2800
M: 0427321016

Get [Outlook for Android](#)

Draft Heritage Memo Review

Email sent to RAPs:

From: [Bradshaw, Charlotte](#)
To: ["muroongjalanga@hotmail.com"; "WWWAC@hotmail.com"; "mudgeelalc@bigpond.com"; "jamiegray66@gmail.com"; "cmroborecorp@bigpond.com"; "gunjeewong@yahoo.com.au"](#)
Subject: Burrendong Wind Farm Heritage Memorandum - Road Upgrades
Date: Tuesday, 10 March 2026 3:37:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[24COF7589_RoadUpgrades_Heritage Memo V1.pdf](#)

Hi all,

Thank you for your patience while we prepare the Heritage Memorandum for the road access upgrades to support the Burrendong Wind Farm Project.

The attached document is intended to supplement the Aboriginal Cultural Heritage Assessment of the Burrendong Wind Farm Project, to investigate the road upgrade areas proposed by the proponent. As you know, in December 2025 we undertook a survey of five road sections along Twelve Mile Road and Yarrabin Road. In total, five sites were identified through the survey. On the basis of the survey findings and recommendations from RAPs, the road upgrade footprints have been refined or moved back to the existing road alignment and have avoided impacting four sites. One site, BWF IF12, is an isolated artefact located within 5 m from the Development Corridor. Avoidance through fencing and signage is recommended, however indirect impact is considered due to the close proximity. If avoidance is not possible, movement is recommended.

Under the consultation guidelines, you have 28 days to provide your comments on this document. It would, however, be greatly appreciated to receive your comments as soon as possible. Otherwise, the review deadline is **7 April 2026**.

As always, if you would prefer to discuss over the phone or have any questions at all, please don't hesitate to contact me on 02 9259 3794.

Kind regards,



Charlotte Bradshaw (She/her/hers)
 Senior Heritage Consultant

P: +61 2 9259 3794
 W: ecoaus.com.au

Level 13, 420 George Street, Sydney, NSW 2000 | Australia



Eco Logical Australia acknowledges Traditional Custodians of Gadigal Country and recognises the continuing connection to lands, waters and communities. We pay our respect to Aboriginal and Torres Strait Islander cultures; and to Elders past and present. Through this acknowledgement we commit to ongoing learning and understanding on our journey to reconciliation.

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Responses:

From: [Corroboree Aboriginal Corp BP](#)
To: [Bradshaw, Charlotte](#)
Subject: Re: Burrendong Wind Farm Heritage Memorandum - Road Upgrades
Date: Tuesday, 31 March 2026 1:28:22 PM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Hi Charlotte
 We do not foresee any issues with this random
 Thanks, Marilyn

On 10 Mar 2026, at 3:42 pm, Bradshaw, Charlotte
 <CharlotteB@ecoaus.com.au> wrote:

Hi all,
 Thank you for your patience while we prepare the Heritage Memorandum for the road access upgrades to support the Burrendong Wind Farm Project.

The attached document is intended to supplement the Aboriginal Cultural Heritage Assessment of the Burrendong Wind Farm Project, to investigate the road upgrade areas proposed by the proponent. As you know, in December 2025 we undertook a survey of five road sections along Twelve Mile Road and Yarrabin Road. In total, five sites were identified through the survey. On the basis of the survey findings and recommendations from RAPs, the road upgrade footprints have been refined or moved back to the existing road alignment and have avoided impacting four sites. One site, BWF IF12, is an isolated artefact located within 5 m from the Development Corridor. Avoidance through fencing and signage is recommended, however indirect impact is considered due to the close proximity. If avoidance is not possible, movement is recommended.

Under the consultation guidelines, you have 28 days to provide your comments on this document. It would, however, be greatly appreciated to receive your comments as soon as possible. Otherwise, the review deadline is **7 April 2026**.

As always, if you would prefer to discuss over the phone or have any questions at all, please don't hesitate to contact me on 02 9259 3794.

Kind regards,

<image001.png> | **Charlotte Bradshaw** (She/her/hers)

From: [Bradshaw, Charlotte](#)
To: [WVWAC Contact Officer](#); muronggialinga@hotmail.com; mudgeelalc@bigpond.com; jamigray66@gmail.com
Subject: RE: Burrendong Wind Farm Heritage Memorandum - Road Upgrades
Date: Thursday, 2 April 2026 2:46:00 PM
Attachments: [36-2-0867.pdf](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[36-2-0868.pdf](#)
[36-5-0501.pdf](#)
[36-5-0502.pdf](#)
[36-5-0503.pdf](#)

Thank you, Brad.

I have updated the recommendations to include monitoring by Aboriginal representatives for works in close proximity to BWF AS98, BWF AS99, BWF AS100 and BWF AS101.

I have attached for your records the site cards for sites we identified in December.

Kind regards,



Charlotte Bradshaw (She/her/hers)
 Senior Heritage Consultant
 P: +61 2 9259 3794

Eco Logical Australia acknowledges Traditional Custodians of Gadigal Country and recognises the continuing connection to lands, waters and communities. We pay our respect to Aboriginal and Torres Strait Islander cultures; and to Elders past and present. Through this acknowledgement we commit to ongoing learning and understanding on our journey to reconciliation.

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: WVWAC Contact Officer <WVWAC@hotmail.com>
Sent: Wednesday, 18 March 2026 10:56 AM
To: Bradshaw, Charlotte <CharlotteB@ecoaus.com.au>; muronggialinga@hotmail.com; mudgeelalc@bigpond.com; jamigray66@gmail.com
Subject: Re: Burrendong Wind Farm Heritage Memorandum - Road Upgrades

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Hi Charlotte,

Wellington Valley Wiradjuri Aboriginal Corporation Elders, Knowledge Holders with Connection to the project area, Field Officers and general members have discussed the project, the recent road alignment surveys and agree to the current proposed alignments. WVWAC request that ground disturbance monitoring be carried out at the following locations:

- Road Upgrade Area 1 - On Twelve Mile Road section only close to identified site with buffer 50m each side.
- Road Upgrade Area 3 - Artefacts identified in the existing road corridor and the December Survey area.
- Road Upgrade Area 5 - Artefacts identified close to location of proposed works.

I regards to BWF IF12, please Avoid by using fencing and signage if not possible, relocation is agreed to.

Regards,

Bradley R. Bliss J.P.
WVWAC CEO and Contact Officer
P.O. Box 1583
Orange NSW 2800
Email: WVWAC@hotmail.com
Mobile: 0427321016

From: Bradshaw, Charlotte <CharlotteB@ecoaus.com.au>
Sent: Tuesday, March 10, 2026 3:40 PM
To: muronggialinga@hotmail.com <muronggialinga@hotmail.com>;
WVWAC@hotmail.com <wwwac@hotmail.com>; mudgeelalc@bigpond.com
<mudgeelalc@bigpond.com>; jamigray66@gmail.com <jamigray66@gmail.com>;
corroboreecorp@bigpond.com <corroboreecorp@bigpond.com>;
gunjeewong@yahoo.com.au <gunjeewong@yahoo.com.au>
Subject: Burrendong Wind Farm Heritage Memorandum - Road Upgrades

Hi all,

Thank you for your patience while we prepare the Heritage Memorandum for the road access upgrades to support the Burrendong Wind Farm Project.

The attached document is intended to supplement the Aboriginal Cultural Heritage Assessment of the Burrendong Wind Farm Project, to investigate the road upgrade areas proposed by the proponent. As you know, in December 2025 we undertook a survey of five road sections along Twelve Mile Road and Yarrabin Road. In total, five sites were identified through the survey. On the basis of the survey findings and recommendations from RAPs, the road upgrade footprints have been refined or moved back to the existing road alignment and have avoided impacting four sites. One site, BWF IF12, is an isolated

Appendix C – Artefact Catalogue

Locale	Material	Colour	Type	Platform	Platform surface	Termination	L	W	Th	Comments
BWF AS98	Basalt	Black	Core				54	37	13	Unifacial rotated core, 3 scars 10% cortex
BWF AS98	Quartz	Milky	Core				25	20	13	Rotated core
BWF AS98	Quartz	Crystal	Core				18	16	9	10% cortex, crystal quartz
BWF AS98	Quartz	Milky	Distal fragment			Feather	38	24	11	Single elongated scar on dorsal
BWF AS98	Basalt	Black	Flake			Feather	13	16	3	100% Cortex
BWF AS98	Chert	Green	Flake	Crushed		Feather	16	35	6	Post depositional fracture, left distal crushed platform
BWF AS98	Basalt	Black	Flake	Cortical		Feather				Retouch on distal (4 retouch scars), post dep fracture on right lateral margin, partially cortical platform, 20% cortex
BWF AS98	Basalt	Black	Flake				13	21	5	
BWF AS98	Basalt	Black	Flake				26	33	5	
BWF AS98	Basalt	Black	Flake				16	41	22	
BWF AS98	Basalt	Black	Flaked core				55	28	14	
BWF AS98	Basalt	Black	Flaked piece	Partial			52	81	22	Post dep breakage on both lateral margins, <90 degree platform angle
BWF AS98	Basalt	Black	Flaked piece				17	11	4	
BWF AS98	Basalt	Black	Flaked piece				38	25	15	
BWF AS98	Basalt	Black	Ground-edge axe				71	64	7	Broken face of ground-edge axe
BWF AS98	Basalt	Brown	Hammers tone				53	52	26	Highly weathered
BWF AS98	Quartz	Milky	Medial fragment				14	13	4	
BWF AS98	Basalt	Black	Medial fragment		Flake scar		78	62	29	6 x retouch scars

Locale	Material	Colour	Type	Platform	Platform surface	Termination	L	W	Th	Comments
BWF AS98	Basalt	Black	Medial fragment				62	16	10	
BWF AS98	Basalt	Black	Medial fragment				17	15	4	
BWF AS98	Basalt	Black	Proximal fragment				20	13	4	
BWF AS98	Basalt	Black	Proximal fragment				18	11	3	
BWF AS98	Basalt	Black	Proximal fragment				26	11	7	
BWF AS99	Chert	Cream	Core				61	37	8	Unifacial broken core with post dep edge crushing, 40% cortex, 4 negative scars
BWF AS99	Basalt	Black	Core				59	26	18	Broken core
BWF AS99	Quartz	Milky	Core				64	59	56	Broken, rotated core, 2 x negative scars
BWF AS99	Basalt	Black	Core				59	36	22	Rotated broken core, 7 negative scars, 5% cortex
BWF AS99	Basalt	Black	Distal fragment				15	8	3	In the 1x1m sample area
BWF AS99	Basalt	Black	Distal fragment				32	18	4	In the 1x1m sample area
BWF AS99	Basalt	Black	Distal fragment			Feather	18	11	3	In the 2x2 m sample area
BWF AS99	Basalt	Black	Distal fragment			Feather	38	25	6	In the 2x2 m sample area
BWF AS99	Basalt	Black	Distal fragment				26	21	8	In the 2x2 m sample area
BWF AS99	Quartz	Milky	Distal fragment				21	15	4	In the 2x2 m sample area, post dep fracture on margins
BWF AS99	Quartz	Milky	Distal fragment				37	25	11	3 retouch scars on distal, 2 neg scars on dorsal
BWF AS99	Quartz	Milky	Flake				31	28	8	Men's initiation tool
BWF AS99	Basalt	Black	Flake	Plain		Feather	17	32	7	In the 1x1m sample area, Distal retouch - 4 scars
BWF AS99	Basalt	Black	Flake	Plain		Feather	18	20	6	In the 1x1m sample area

Locale	Material	Colour	Type	Platform	Platform surface	Termination	L	W	Th	Comments
BWF AS99	Quartz	Crystal	Flake	Plain		Feather	22	18	4	In the 2x2 m sample area, crystal quartz blade
BWF AS99	Chert	Cream	Flake	Plain	Flaked	Hinge	20	28	9	25% cortex
BWF AS99	Quartz	Milky	Flake			Feather	25	22	10	
BWF AS99	Quartz	Crystal	Flaked piece				16	10	5	In the 2x2 m sample area, crystal quartz
BWF AS99	Quartz	Milky	Medial fragment				21	17	7	In the 1x1m sample area
BWF AS99	Basalt	Black	Medial fragment				72	50	21	10% water rounded cortex
BWF AS99	Basalt	Black	Medial fragment				24	19	3	80% cortex
BWF AS99	Basalt	Black	Medial fragment				44	23	7	
BWF AS99	Basalt	Black	Proximal fragment				13	25	17	In the 1x1m sample area
BWF AS99	Basalt	Black	Proximal fragment	Plain			16	33	8	In the 1x1m sample area
BWF AS99	Basalt	Black	Proximal fragment	Plain			14	18	4	In the 1x1m sample area
BWF AS99	Basalt	Black	Proximal fragment	Plain			38	31	9	In the 1x1m sample area
BWF AS99	Basalt	Black	Proximal fragment	Plain			30	23	9	In the 2x2 m sample area, broken on left lateral margin
BWF AS99	Chert	Cream	Proximal fragment		Flaked		28	18	4	Edge crushed post dep, 10% cortex
BWF AS99	Quartz	Milky	Proximal fragment				26	20	7	
BWF AS99	Quartz	Crystal		Plain	Fractured	Feather	17	13	3	In the 2x2 m sample area, crystal quartz, breaks on margins
BWF AS99	Basalt	Black			Flaked		33	36	8	Eralliuire scar
BWF AS100	Basalt	Black	Distal fragment	Plain			28	12	6	50% cortex
BWF AS100	Quartz	Milky	Flake		Flaked		33	31	12	Distal break

Locale	Material	Colour	Type	Platform	Platform surface	Termination	L	W	Th	Comments
BWF AS100	Basalt	Black	Flake			Feather	29	25	6	
BWF AS100	Chert	Grey	Flake				54	38	25	Double bulb, 90 degree angle, break on left lateral margin
BWF AS100	Basalt	Black	Flake			Feather	42	31	12	
BWF AS100	Basalt	Black	Flake			Feather	36	46	16	Longitudinally split flake
BWF AS100	Basalt	Black	Proximal fragment	Plain			25	21	8	Post dep break on ventral
BWF AS100	Basalt	Black	Flake	Plain		Feather	26	34	11	Post dep breakage
BWF AS100	Basalt	Black	Flake	Plain		Feather	37	55	8	Edge crushing and double bulb
BWF AS100	Chert	Grey	Proximal fragment	Plain			11	21	6	
BWF AS100	Basalt	Black	Flake	Plain	Flaked	Feather	32	65	10	
BWF AS100	Basalt	Black	Flake	Plain		Feather	47	64	26	Double bulb, 5% cortex minor post dep distal break, platform greater than 90 degrees
BWF AS100	Basalt	Black	Flake	Faceted		Feather	38	28	4	
BWF AS101	Quartz	Milky	Flaked	Plain	Flaked	Feather	24	18	11	
BWF AS101	Basalt	Black	Core				66	44	20	Unifacial broken core
BWF AS101	Basalt	Black	Flake	Focal		Step	29	22	15	Broken platform
BWF AS101	Basalt	Black	Medial fragment				19	12	8	
BWF AS101	Basalt	Black	Core				73	63	29	Broken core
BWF AS101	Basalt	Black	Flake	Plain		Feather	30	36	12	Platform greater than 90 degrees, 50% cortex
BWF AS101	Basalt	Flake	Cortical			Feather	41	45	19	Post dep fracture on ventral, riverine cortex 40% platform angle greater than 90 degrees
BWF IF12	Basalt	Black	Core				62	49	36	Broken core, significant post dep damage, 3 x flake scars, 10% cortex

Appendix D – Site Cards

Attached separately on the following page.

AHIMS site ID: 36-2-0867

Date recorded: 02-04-2026

Site Location Information

Site name: BWF AS98

Easting: 719558

Northing: 6411309

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

5

Zone: 55

Phone GPS

Recorder Information

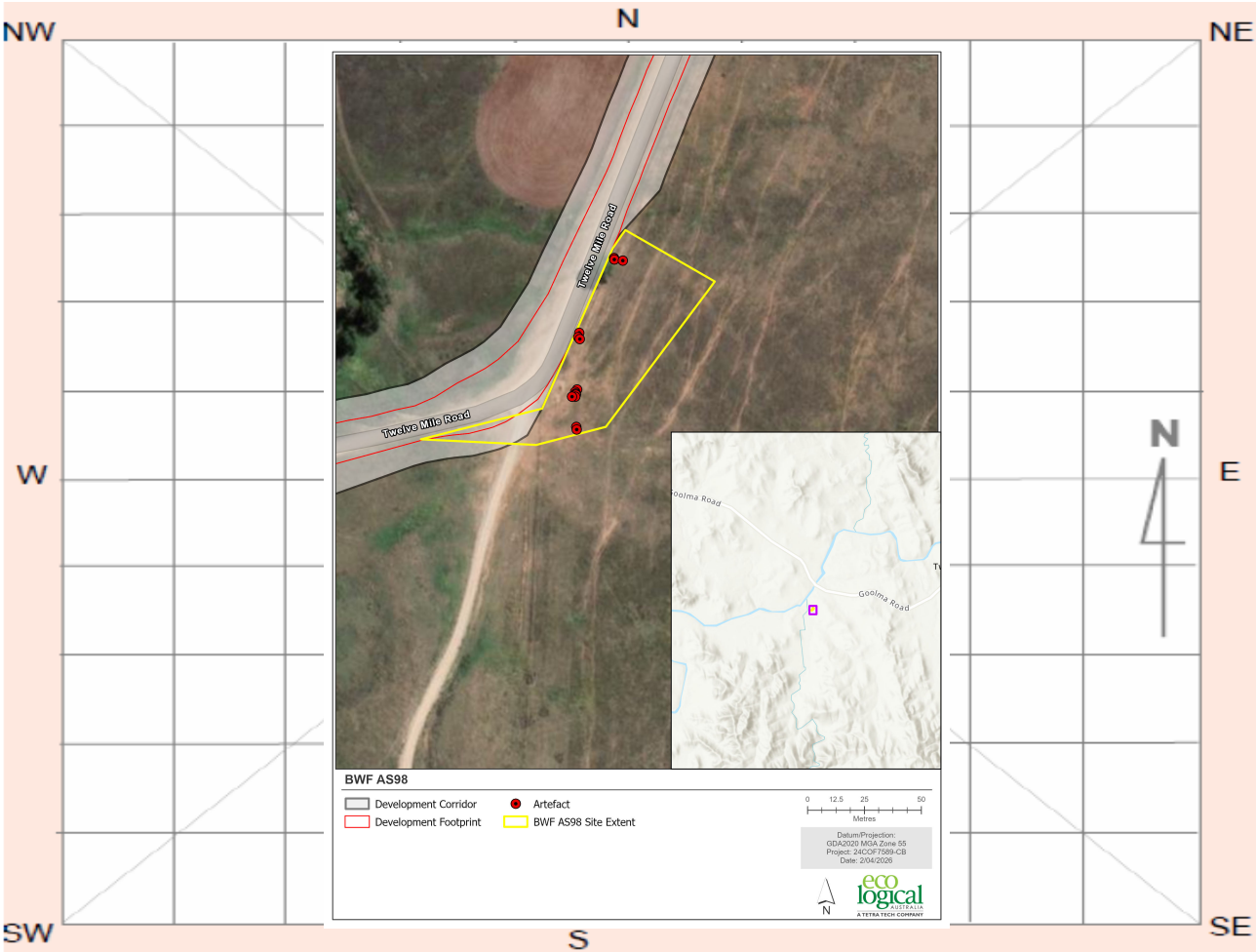
(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Bradshaw	Charlotte
Organisation:	Eco Logical Australia	
Address:	Level 13/420 George Street	
Phone:	0292593794	E-mail: charlotteb@ecoaus.com.au

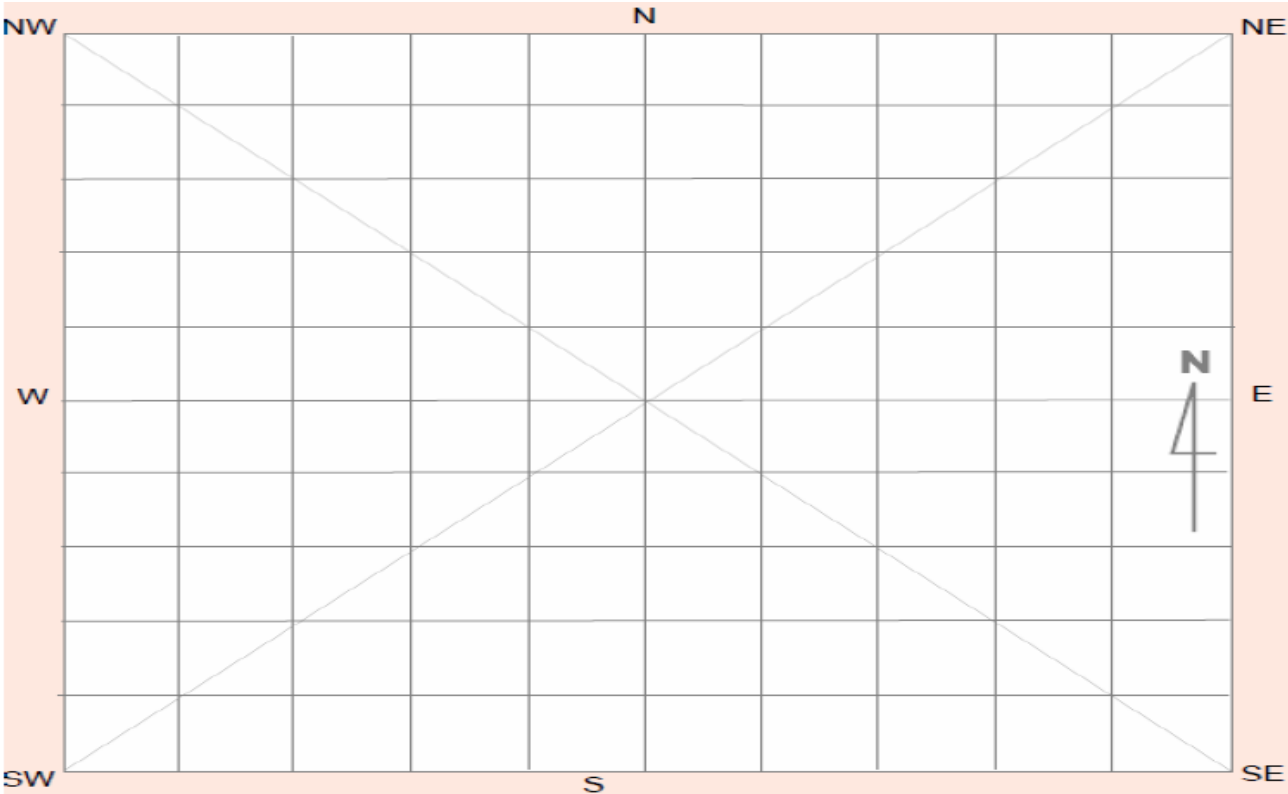
Site Context Information

Land Form Pattern:	Plain	Land Use:	Farming Low Intensity
Land Form Unit:	Flat	Vegetation:	Cleared
Distance to Water (m):	55	Primary Report:	Eco Logical Australia 2025. Burrendong Wind Farm ACHA
How to get to the site:	Site located to the east of Twelve Mile Road, south of the intersection of Twelve Mile Road and Goolma Road.		
Other site information:	A low to moderate-density surface artefact scatter located across an eroded vehicle track running north-south parallel to Twelve Mile Road on a very gentle lower slope descending gradually towards Piambong Creek and Cudgegong River to the west. The artefacts were visible on the ground surface primarily due to exposure from vehicle movement along the track and sheet erosion.		

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	Artefact	23	130	80				

Feature condition:

Description:

The site consists of twenty-three stone artefacts including five complete basalt flakes, ten fragmentary basalt pieces (including flake fragments and angular fragments), one basalt core, one fragment of a basalt ground-edge axe, one hammerstone, one green chert flake, one milky quartz core, two milky quartz flake fragments, and one crystal quartz core.

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.								

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.								

Feature condition:

Description:

Features:

4.

Feature condition:

Description:

Features:

5.

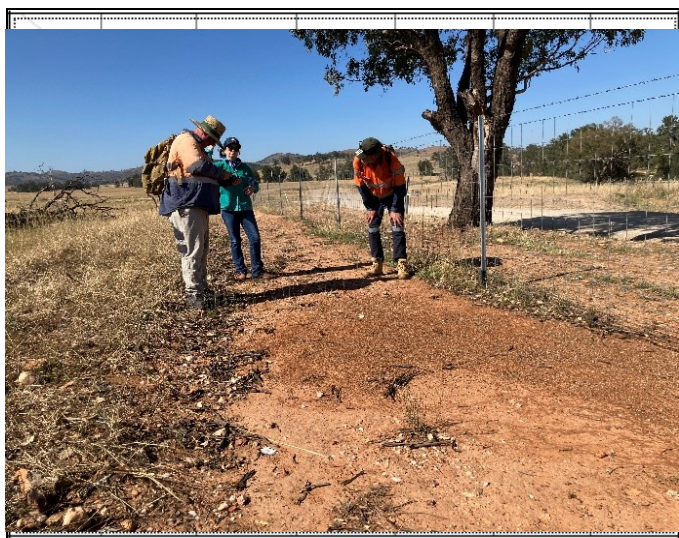
Feature condition:

Description:

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

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

Site photographs



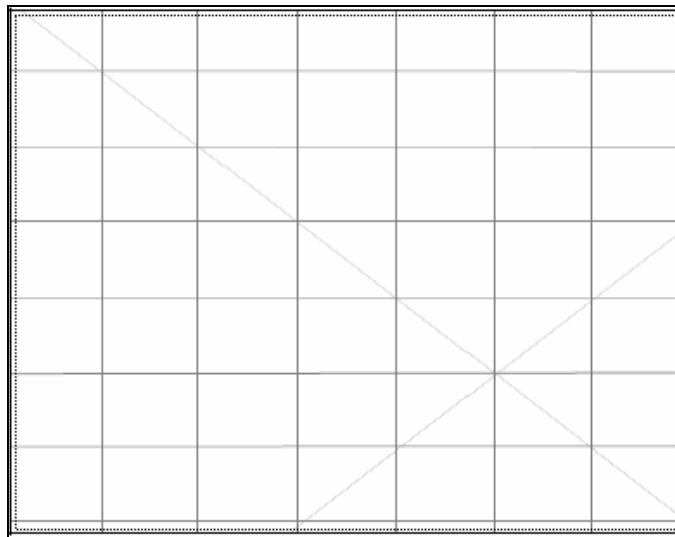
Description: Location of BWF AS98 along fenceline and Twelve Mile Road



Description: Flaked basalt artefacts



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
Ms.	Norfolk	Jennifer
Organisation: Eco Logical Australia		
Address:		
Phone:	E-mail: jennifer.norfolk@ecoaus.com.au	

Site interpretation and community statement

There are no potential archaeological deposits due to the highly eroded surface and exposed shallow soil profile. The site boundaries were recorded around the artefacts and the associated area of ground exposure, bounded on the west by the edge of the property fenceline.

AHIMS site ID: 36-2-0868

Date recorded: 02-04-2026

Site Location Information

Site name: BWF IF12

Easting: 714098

Northing: 6404588

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

5

Zone: 55

Phone GPS

Recorder Information

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

Title	Surname	First name
Ms.	Bradshaw	Charlotte
Organisation:	Eco Logical Australia	
Address:	Level 13/420 George Street	
Phone:	0292593794	E-mail: charlotteb@ecoaus.com.au

Site Context Information

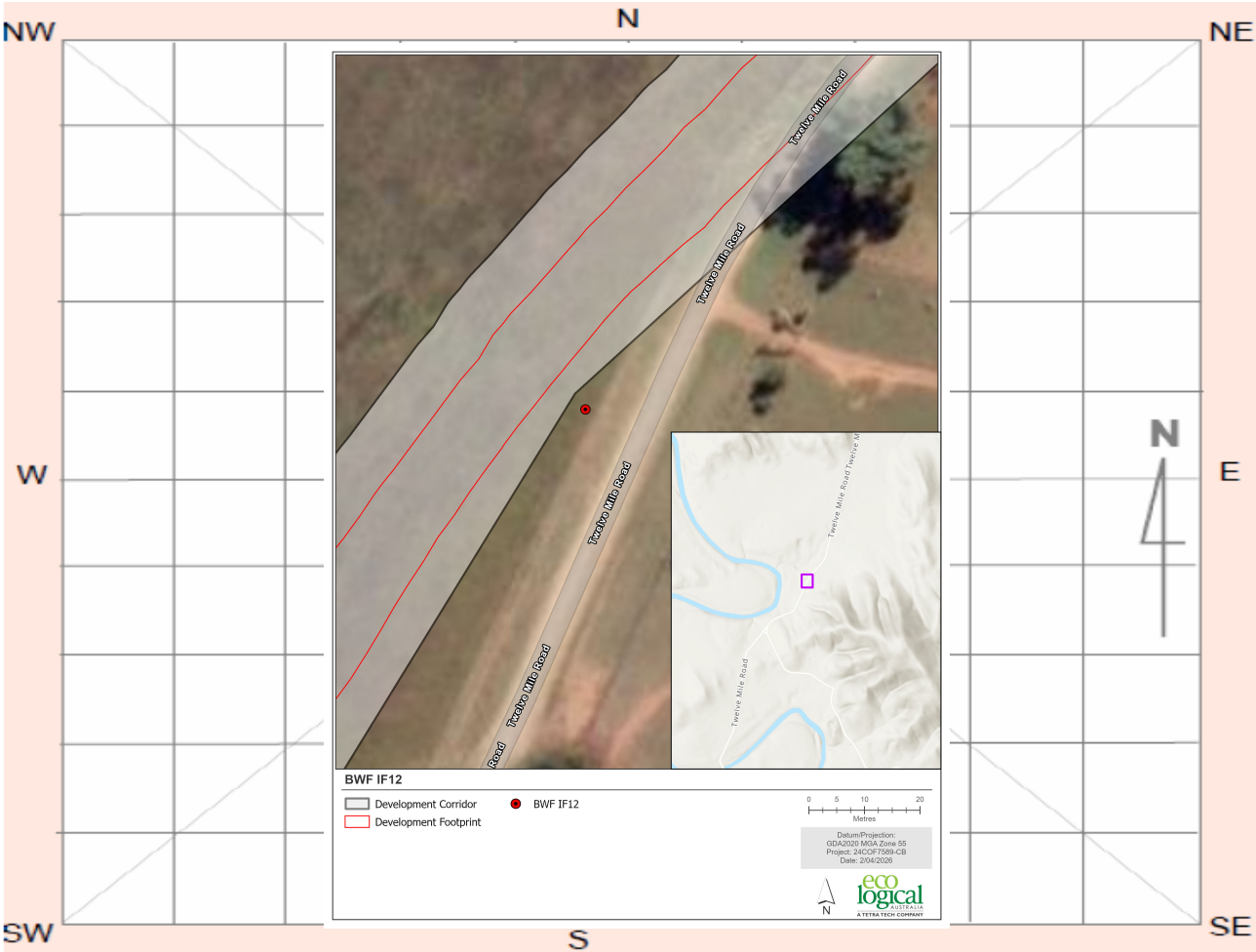
Land Form Pattern:	Rolling Hills	Land Use:	Farming Low Intensity
Land Form Unit:	Flat	Vegetation:	Cleared
Distance to Water (m):	250	Primary Report:	Eco Logical Australia 2025. Burrendong Wind Farm ACHA

How to get to the site: Located to the west of Twelve Mile Road, north of the intersection of Twelve Mile Road and Yarrabin Road.

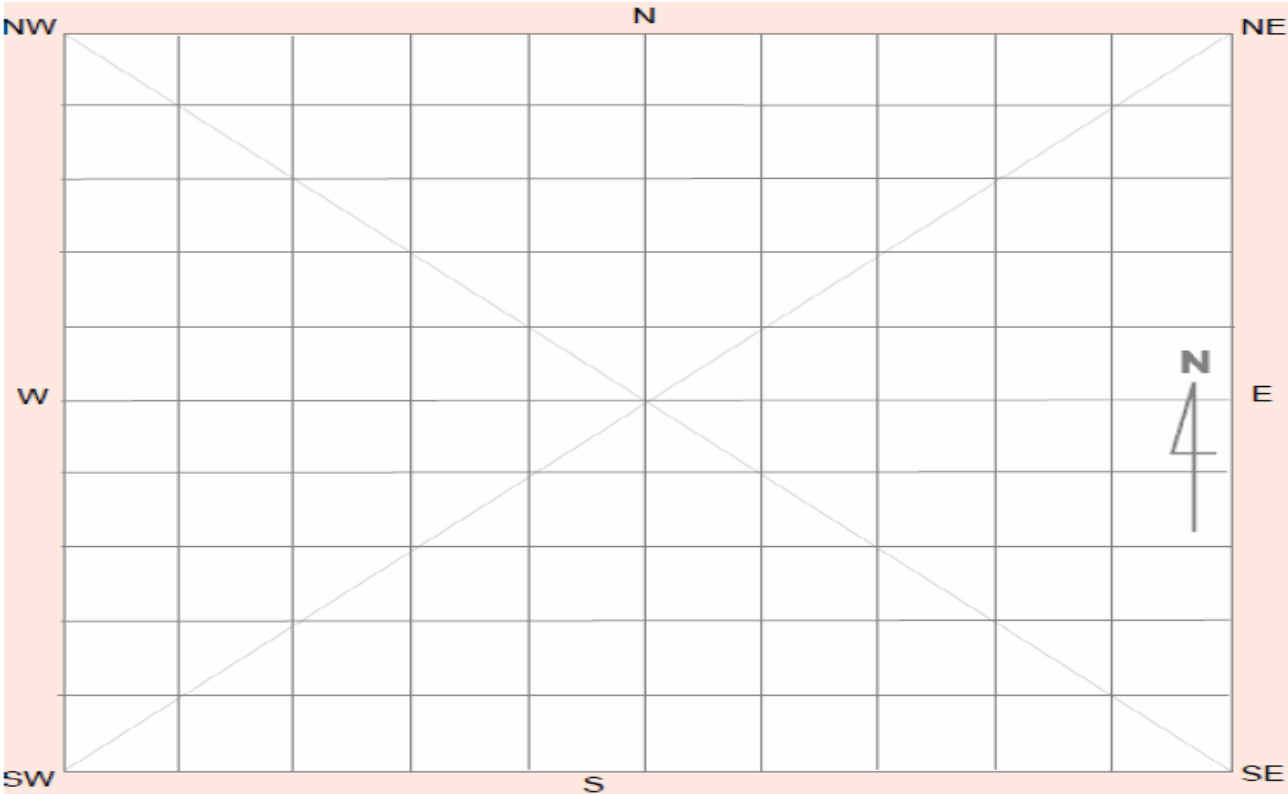
Other site information:

The artefact is located on a flat landform approximately 285m east of Cudgegong Creek and was identified during archaeological survey of proposed locations for road access upgrades. The artefact appears to have been exposed due to vehicle disturbance, faint tyre tracks suggest repeat vehicle movement over this area.

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	Artefact	1	5	5				
Feature condition:		Vehicle damage						

Description:

An isolated broken basalt core artefact. The artefact has sustained significant post-depositional damage, likely from vehicle or machinery movement over its location. Three original flake scars are visible around the more recent breakage.

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.								
Feature condition:								

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.								
Feature condition:								

Description:

Features:

4.

Feature condition:

Description:

Scarred Trees

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

Features:

5.

Feature condition:

Description:

Scarred Trees

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

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

Ms.

Norfolk

Jennifer

Organisation:

Eco Logical Australia

Address:

Phone:

E-mail:

jennifer.norfolk@ecoaus.com.au

Site interpretation and community statement

Given the isolated nature of the find and the significant post-depositional breakage, it is most likely not in situ and there are no potential subsurface archaeological deposits associated with this artefact.

AHIMS site ID: 36-5-0501

Date recorded: 02-04-2026

Site Location Information

Site name: BWF AS99

Easting: 714063

Northing: 6398075

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

5

Zone: 55

Phone GPS

Recorder Information

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

Title

Surname

First name

Ms.

Bradshaw

Charlotte

Organisation: Eco Logical Australia

Address: Level 13/420 George Street

Phone: 0292593794

E-mail: charlotteb@ecoaus.com.au

Site Context Information

Land Form
Pattern:

Plain

Land Use:

Pastoral/Grazing

Land Form
Unit:

Flat

Vegetation:

Cleared

Distance to
Water (m):

250

Primary
Report:

Eco Logical Australia, 2025. Burrendong Wind Farm
ACHA.

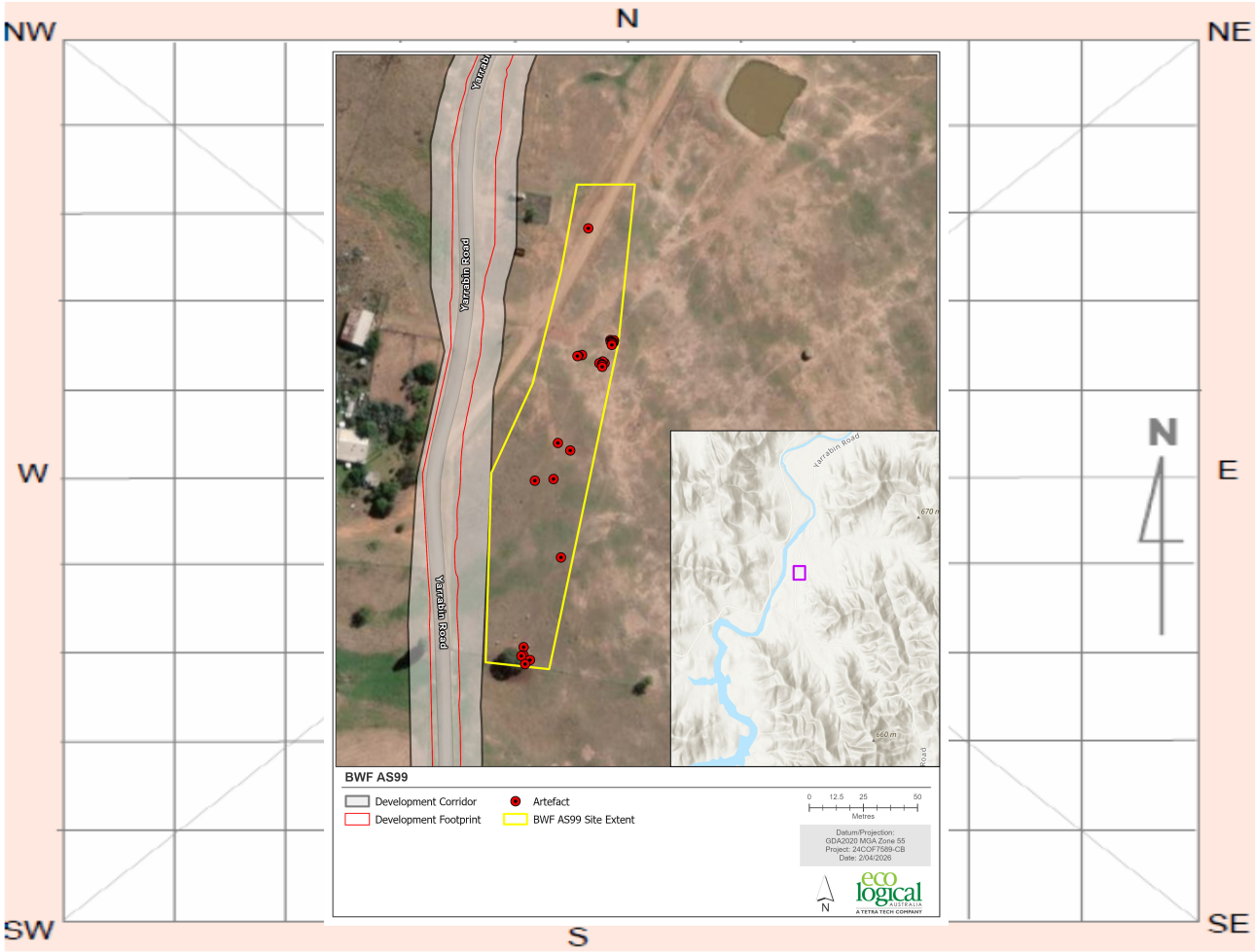
How to get
to the site:

Follow Yarrabin Road

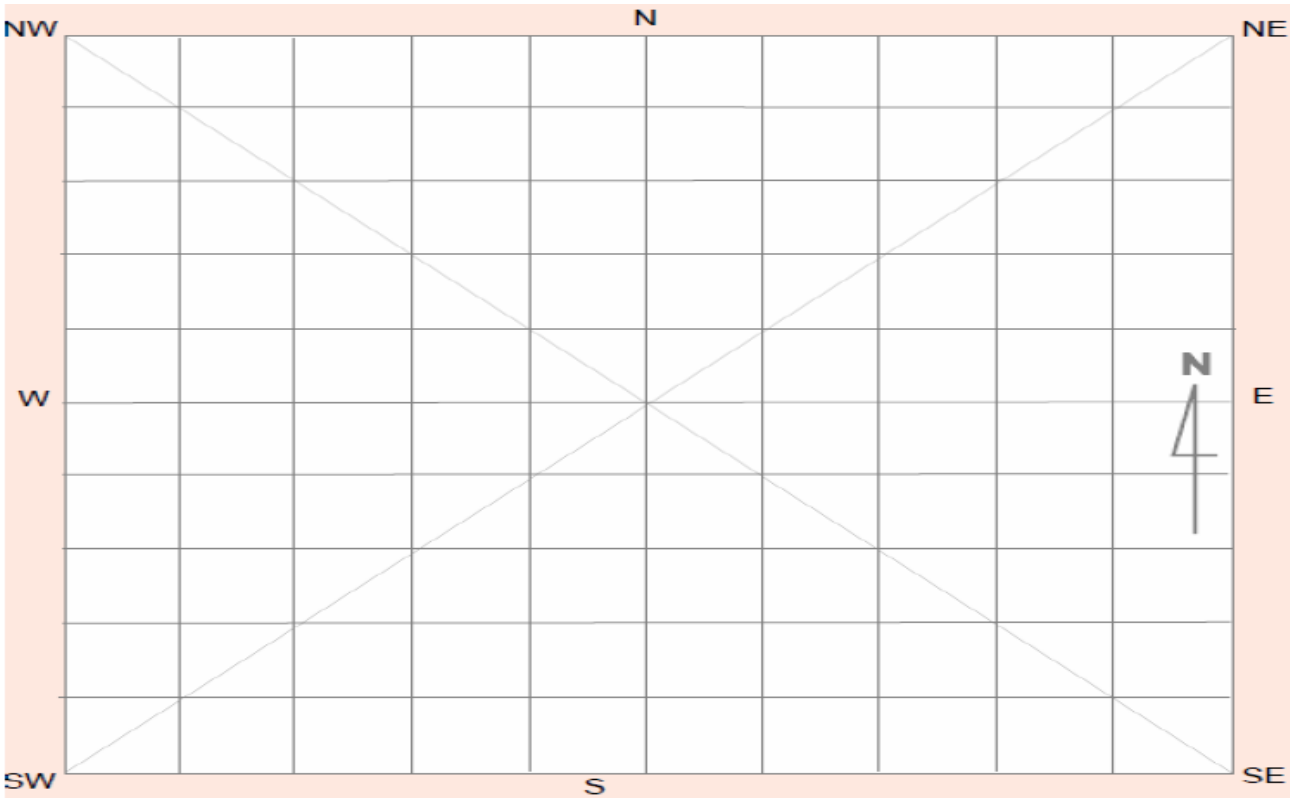
Other site
information:

A moderate-density surface artefact scatter located across a large area of stock damage, dam construction and erosion. The site is located on a very gentle lower slope descending gradually west towards Cudgegong River. Recording was done on a sample basis with the 1m x 1m squares used to calculate an average highest artefact density for the site, with a max artefact density of 6.5/m2.

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	Artefact	31	226	50				

Feature condition:

Description:

31 artefacts, inc. 3 complete basalt flakes, 2 broken basalt cores, 13 basalt flake fragments, 1 broken chert core, 1 complete chert flake, 1 chert flake fragment, 1 broken milky quartz core, 1 complete milky quartz flake, 1 heavily retouched milky quartz flake (mens initiation tool), 4 milky quartz flake fragments, 2 complete crystal quartz flakes and 1 crystal quartz angular fragment

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.								

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.								

Feature condition:

Description:

Features:

4.

Number of
features

Length of
feature(s)
extent (m)

Width of
feature (s)
extent (m)

Scarred Trees

Scar Depth
(cm)

Regrowth
(cm)

Scar shape

Tree Species

Feature condition:

Description:

Features:

5.

Number of
features

Length of
feature(s)
extent (m)

Width of
feature (s)
extent (m)

Scarred Trees

Scar Depth
(cm)

Regrowth
(cm)

Scar shape

Tree Species

Feature condition:

Description:

Site photographs



Description:

Sheet erosion within BWF AS99



Description:

Broken basalt core



Description: Chert flakes at BWF AS99



Description: Retouched milky quartz flake (men's initiation tool) at BWF AS99

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

Ms. Norfolk Jennifer

Organisation: Eco Logical Australia

Address:

Phone: E-mail: jennifer.norfolk@ecoaus.com.au

Site interpretation and community statement

There are no potential subsurface archaeological deposits due to the highly eroded surface and exposed shallow soil profile. The site boundaries were recorded around the surface artefacts and the associated area of ground exposure. Based on comments from the Aboriginal community representatives on site, BWF AS99 is likely part of a connected sensitive landscape extending eastwards outside of the assessment area.

AHIMS site ID: 36-5-0502

Date recorded: 02-04-2026

Site Location Information

Site name: BWF AS100

Easting: 718143

Northing: 6388054

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

5

Zone: 55

Phone GPS

Recorder Information

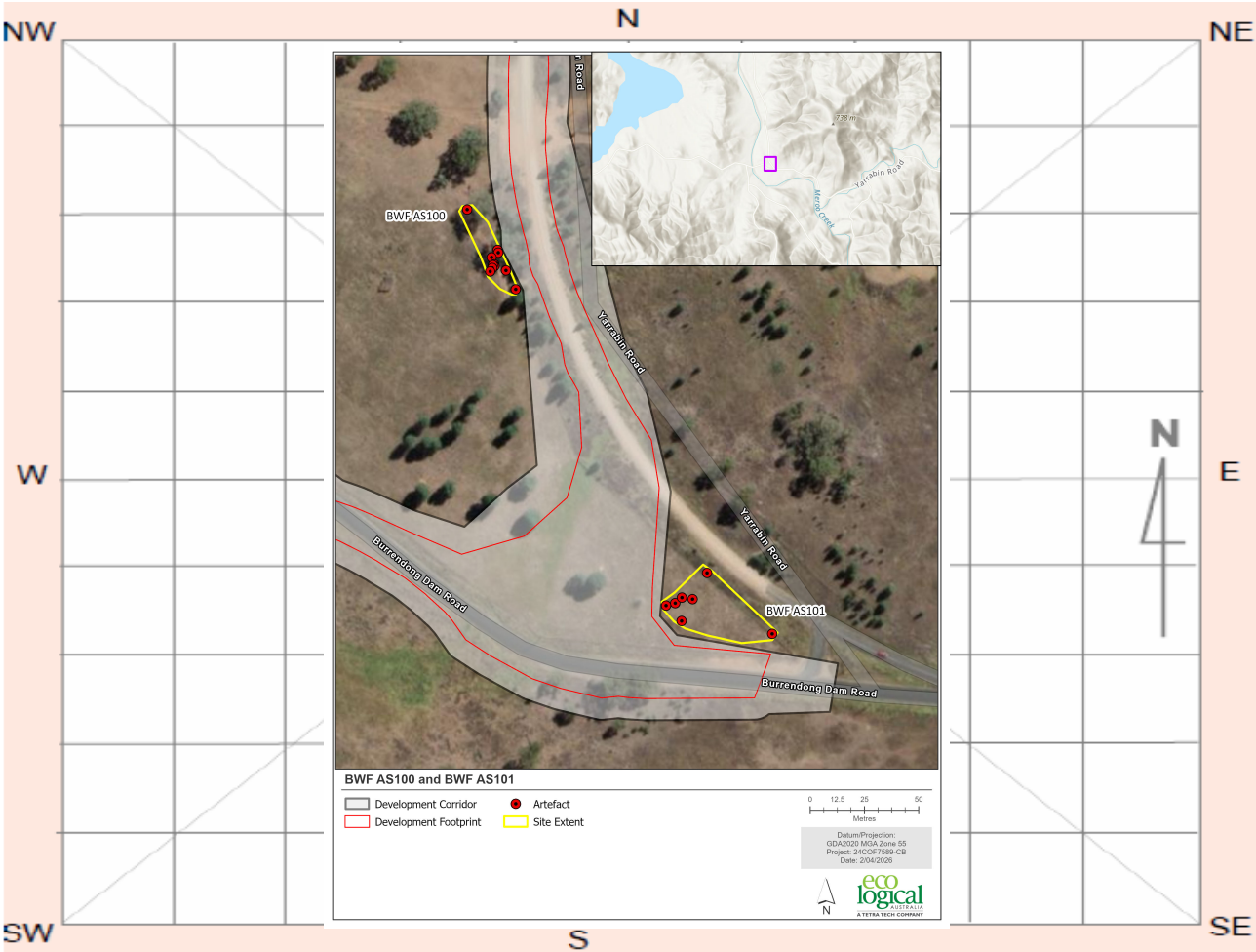
(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Bradshaw	Charlotte
Organisation:	Eco Logical Australia	
Address:	Level 13/420 George Street	
Phone:	0292593794	E-mail: charlotteb@ecoaus.com.au

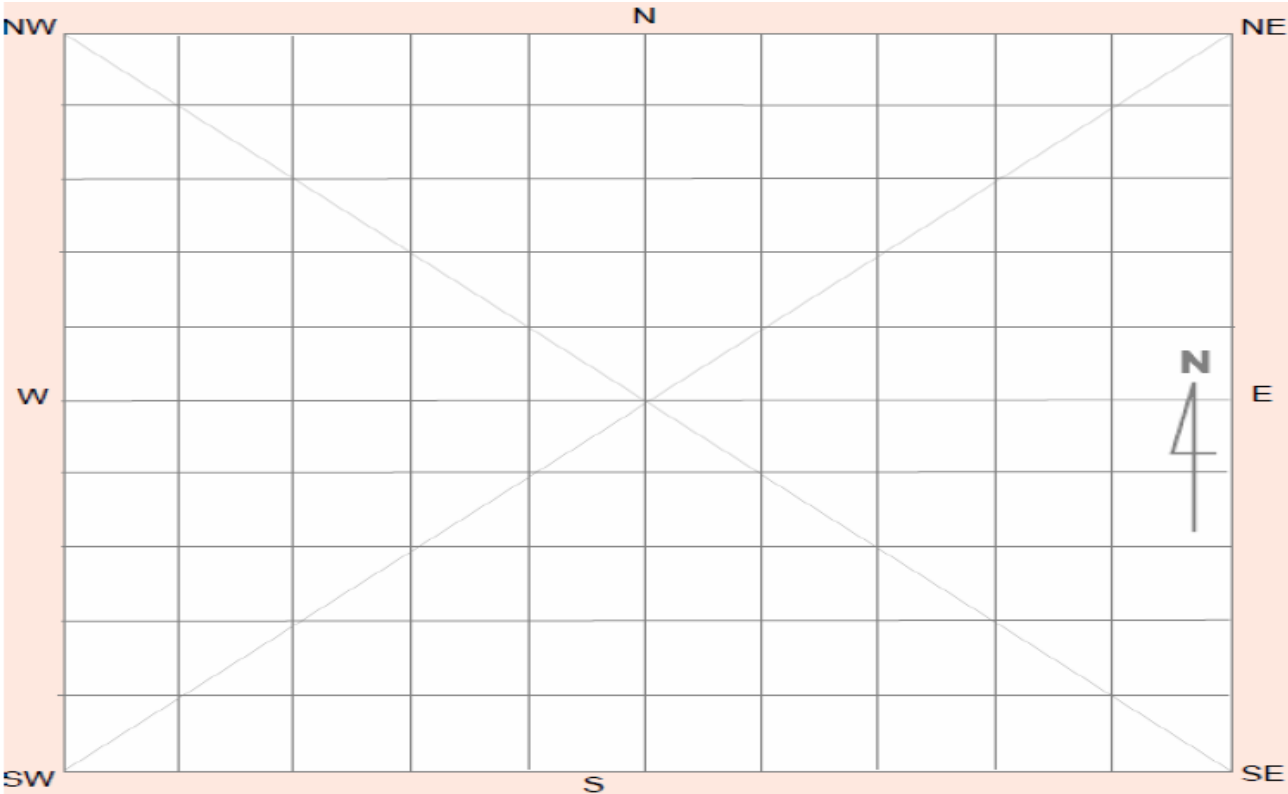
Site Context Information

Land Form Pattern:	Rolling Hills	Land Use:	Farming Low Intensity
Land Form Unit:	Slope	Vegetation:	Cleared
Distance to Water (m):	300	Primary Report:	Eco Logical Australia, 2025. Burrendong Wind Farm ACHA
How to get to the site:	Just west of Yarrabin Road and Burrendong Dam Road intersection		
Other site information:	The site is located on a moderate gradient mid slope descending to the south and west and follows the alignment of the eroded vehicle track. The eastern edge of the site is bounded by a fenceline, beyond which is a densely vegetated and modified verge bordering Yarrabin Rd.		

Site location map



Site plan



Site contents information

open/closed site:

Open

Site condition:

Erosion

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.	Artefact	13	47	12				

Feature condition:

Good

Description:

13 artefacts, including 8 complete basalt flakes, 2 basalt flake fragments, 1 complete chert flake, 1 proximal chert fragment, and 1 milky quartz flake. The artefacts were visible on the ground surface primarily due to exposure from vehicle movement and associated erosion.

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.								

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.								

Feature condition:

Description:

Features:

4.

Number of
features

Length of
feature(s)
extent (m)

Width of
feature (s)
extent (m)

Scarred Trees

Scar Depth
(cm)

Regrowth
(cm)

Scar shape

Tree Species

Feature condition:

Description:

Features:

5.

Number of
features

Length of
feature(s)
extent (m)

Width of
feature (s)
extent (m)

Scarred Trees

Scar Depth
(cm)

Regrowth
(cm)

Scar shape

Tree Species

Feature condition:

Description:

Site photographs



Description:

Location of BWF AS100



Description:

Chert and basalt flakes



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

There are no potential subsurface archaeological deposits due to the highly eroded surface and exposed shallow soil profile.

AHIMS site ID: 36-5-0503

Date recorded: 02-04-2026

Site Location Information

Site name: BWF AS101

Easting: 718227

Northing: 6387895

Coordinates must be in GDA94 (MGA)

Horizontal Accuracy (m):

5

Zone: 55

Phone GPS

Recorder Information

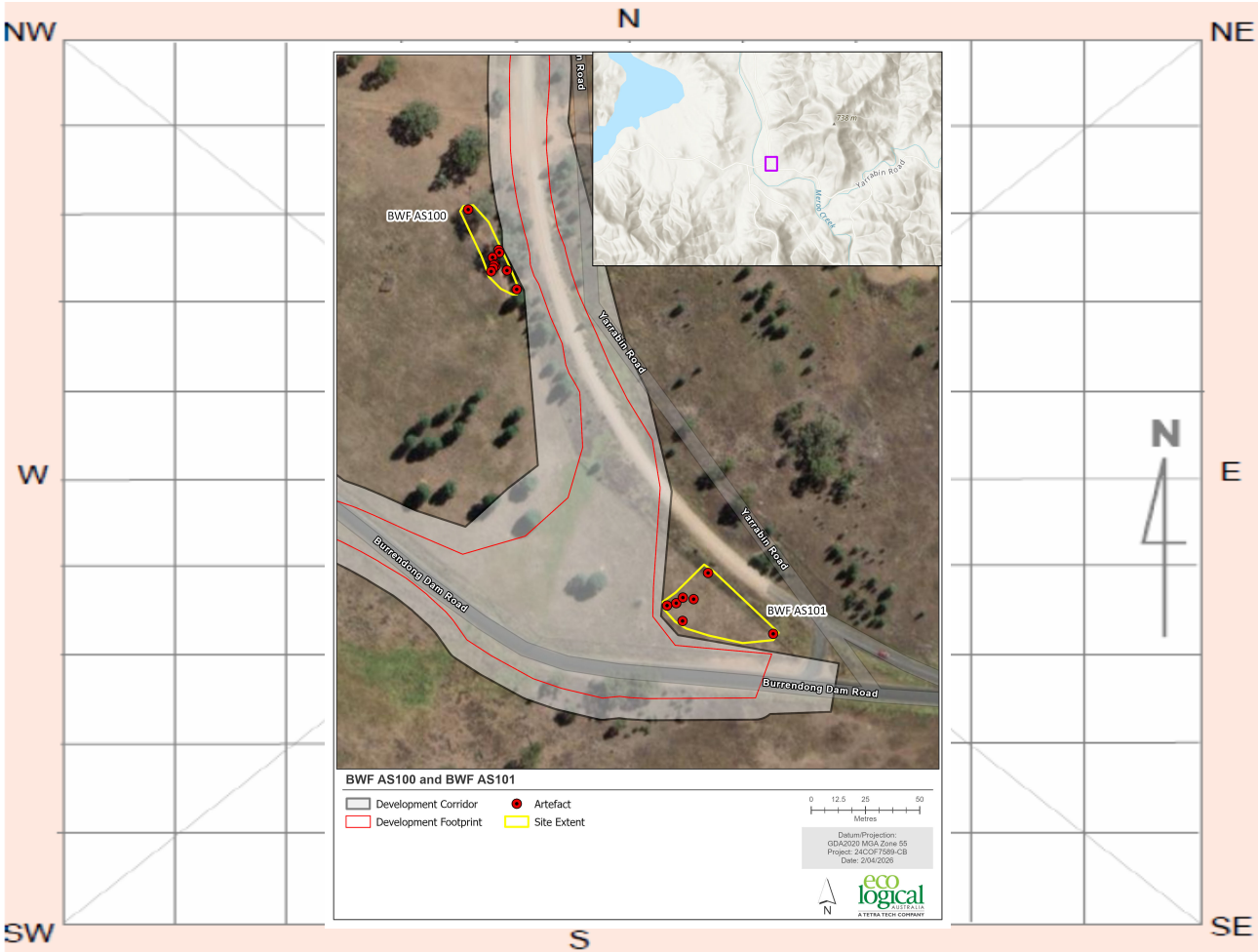
(The person responsible for the completion and submission of this form)

Title	Surname	First name
Ms.	Bradshaw	Charlotte
Organisation:	Eco Logical Australia	
Address:	Level 13/420 George Street	
Phone:	0292593794	E-mail: charlotteb@ecoaus.com.au

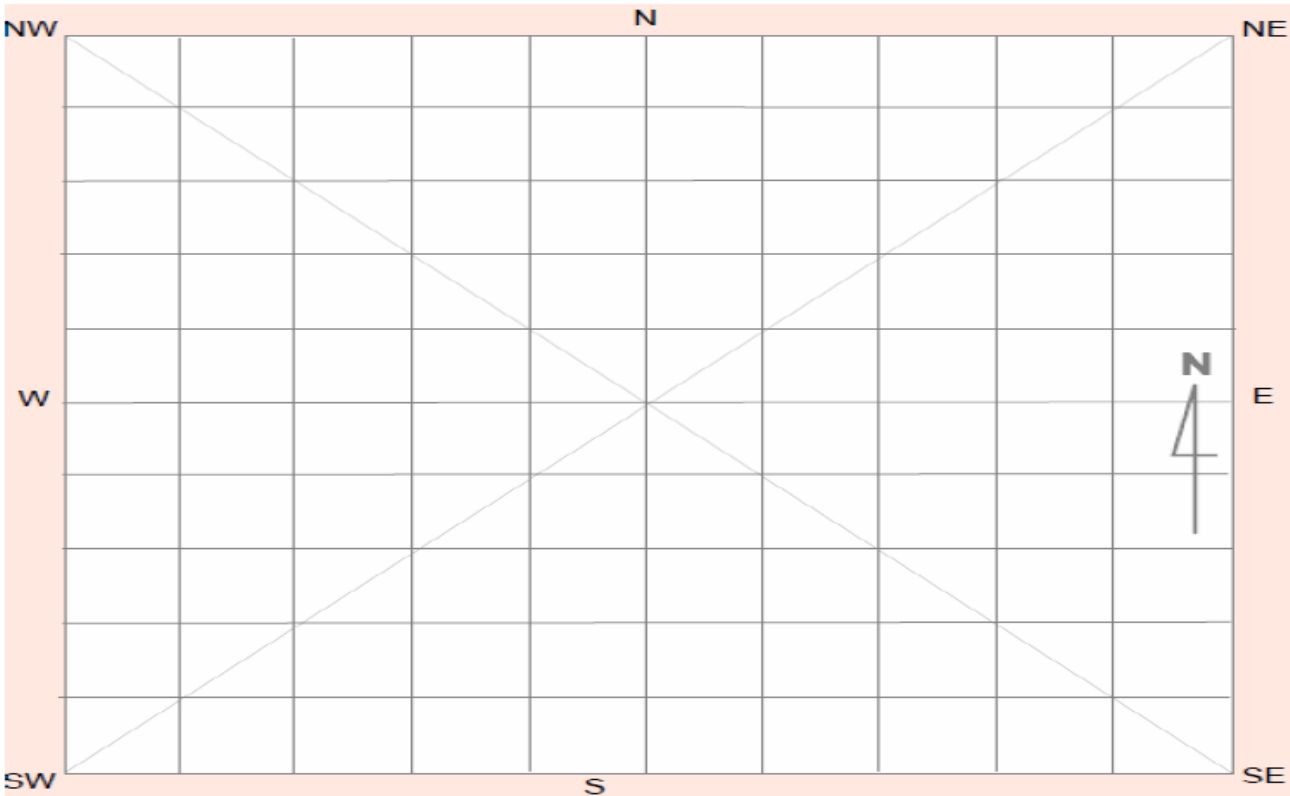
Site Context Information

Land Form Pattern:	Rolling Hills	Land Use:	Farming Low Intensity
Land Form Unit:	Slope	Vegetation:	Cleared
Distance to Water (m):	370	Primary Report:	Eco Logical Australia, 2025. Burrendong Wind Farm ACHA
How to get to the site:	Just west of Yarrabin and Burrendong Dam Road intersection		
Other site information:	A low-density surface artefact scatter located across a flat landform near the intersection of Yarrabin Road and Burrendong Dam Road (west of Yarrabin Road and north of Burrendong Dam Road) approximately 340 m east of the Merroo River.		

Site location map



Site plan



Site contents information

open/closed site:

Site condition:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
1.	Artefact	7	45	30				

Feature condition:

Description:

The site comprises seven stone artefacts, including two broken basalt cores, three complete basalt flakes, one medial basalt fragment, and one milky quartz flake.

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.								

Feature condition:

Description:

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees			
					Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
3.								

Feature condition:

Description:

Features:

4.

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

Feature condition:

Description:

Scarred Trees

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

Features:

5.

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

Feature condition:

Description:

Scarred Trees

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

Site photographs



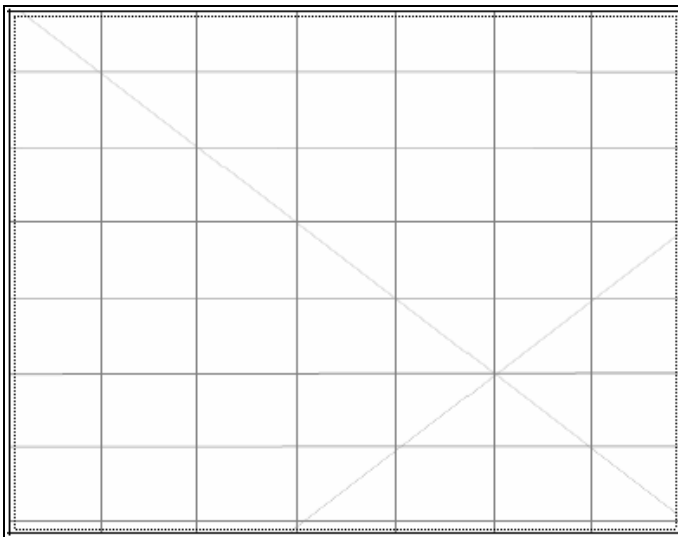
Description:

Basalt flake

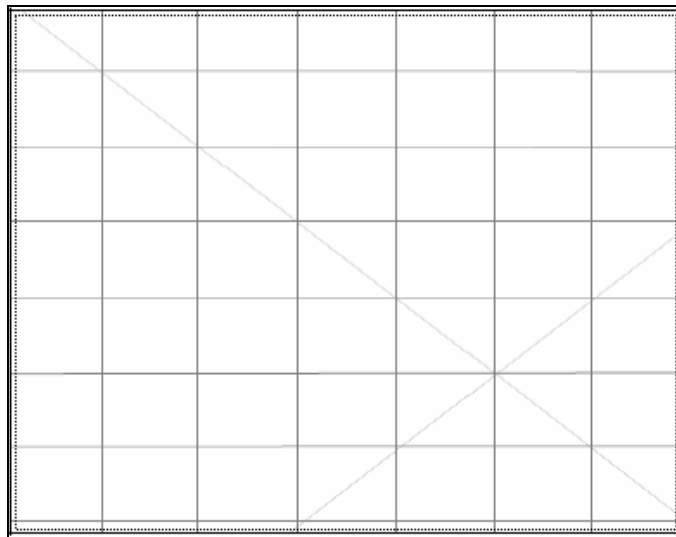


Description:

Milky quartz flake



Description:



Description:

Site restrictions

Do you want to

Restrict this site?:

☐

Restriction type:

Gender

General

Location

N/A

☐☐

Why is this site restricted?:

Further information contact

Title

Surname

First name

Ms.

Norfolk

Jennifer

Organisation:

Eco Logical Australia

Address:

Phone:

E-mail:

jennifer.norfolk@ecoaus.com.au

Site interpretation and community statement

Given the apparent shallow soil profile, there are no potential subsurface archaeological deposits associated BWF AS101. These artefacts may have been exposed as the original topsoil eroded away or may have been displaced to their current locations through natural and anthropogenic processes (e.g. colluvial downslope soil movement and vehicle erosion).

