

11 September 2025

Lisa Simonsen

Environment and Development Planner

Tilt Renewables Pty Ltd

E Lisa.Simonsen@tiltrenewables.com

Dear Lisa,

RE: Liverpool Range Wind Farm Modification 2 Application: Heritage Assessment

Umwelt was engaged by Tilt Renewables Australia Pty Ltd as trustee for Liverpool Range Wind Farm Project Trust (the Proponent) to provide technical heritage services to support an application to modify (Mod-2 Application) State Significant Development Consent SSD 6696 (as modified) that was granted for the Liverpool Range Wind Farm (LRWF) project in 2024.

This Heritage Assessment assesses the proposed changes relevant for the Mod-2 Application.

Yours sincerely,



Brent Koppel

Archaeologist

E | bkoppel@umwelt.com.au

M | 0400 124 244

1.0 Introduction

1.1 Overview

Umwelt (Australia) Pty Ltd (Umwelt) was engaged by Tilt Renewables Australia Pty Ltd (Tilt Renewables) as trustee for Liverpool Range Wind Farm Project Trust (the Proponent), to undertake a Heritage Assessment (this report) to support the Modification Application 2 (Mod-2 Application) to the previously approved Liverpool Range Wind Farm (hereafter ‘the Project’) State Significant Development (SSD 6696).

This Heritage Assessment should be considered a desktop assessment that has been informed by Umwelt’s Aboriginal Cultural Heritage Assessment (ACHA) for Modification Application 1 (Mod-1 Application) (Umwelt 2022a) and various addenda (refer to **Section 2.3.3**). It also considers historical heritage at a desktop level through statutory register searches.

1.2 Scope of Assessment

The Proponent has identified the need to reinstate three areas of land, totalling 15.64 hectares (ha), into the Development Corridor to facilitate micro-siting of key ancillary infrastructure. These areas were part of the original Development Consent SSD 6696 granted on 27 March 2018 (Original Project) but were removed from the Mod-1 Application, which was subsequently approved on 23 October 2024. The Mod-2 Development Corridor includes the Mod-1 Development Corridor and the following additional areas:

- Additional Area 1 (Turee Vale Road) located north west of Turee Vale Road comprising 12.7 ha in area.
- Additional Area 2 (E16) located north west of the intersection of Rotherwood Road and Norfolk Road comprising 0.54 ha in area.
- Additional Area 3 (E56_57) located south west of Cluffs Road comprising 2.4 ha in area.

The location of the Mod-2 Development Corridor additional areas is provided in **Figure 1.1**.

The Mod-2 Application proposes to reinstate these areas to allow for the micro-siting of a section of the wind farm access track and two permanent monitoring masts. This adjustment aims to optimize the development layout, address landowner concerns, and enhance construction flexibility without increasing the impacts specified in the Development Consent SSD 6696. For clarity, the Mod-2 Application proposes changes to the approved Development Corridor, it does not propose to modify the impacts to Aboriginal or historic heritage values.

The reinstatement of 12.7 ha of land for the wind farm access track will enable uninterrupted access within the development for heavy and oversize/over-mass (OSOM) vehicles, reducing traffic on Turee Vale Road and minimising dust impacts at nearby residences. Additionally, reinstating approximately 3.0 ha of land for the permanent monitoring masts will provide sufficient flexibility to micro-site these masts, particularly the guywires, in the event nearby turbines are micro-sited during the detailed design phase (as permissible in the current Development Consent Conditions 8 and 10 of Schedule 2).

This report provides a heritage assessment of the 15.64 ha of additional land proposed to be reinstated to the Development Corridor. **Importantly, the Development Corridor is a micro-siting buffer and not the development footprint, as such there are no proposed increases to the indicative development footprint for Mod-2.**

The objective of this assessment is to conduct an updated impact assessment of the Development Corridor Additional Areas based on an updated desktop review of the areas that were previously subject to assessment in the Original Project ACHA (NSW Archaeology, 2014; 2017).

This heritage report has not been provided to the relevant Registered Aboriginal Parties (RAPs) for the Project as the proposed Development Corridor Additional Areas formed part of the Original Project and were assessed in the relevant ACHAs (NSW Archaeology, 2014 and 2017) which were reviewed by the RAPs at the time. All relevant surveys were completed in consultation with RAPs in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (Consultation Guidelines) (2010a). Notwithstanding, a copy of this report should be provided to RAPs to keep the Aboriginal community informed about the Project.

1.3 Authorship

Brent Koppel (Umwelt, Archaeologist) was primary author for this report. Andrew Crisp (Umwelt, Senior Archaeologist) managed the Project. Ryan Desic (Umwelt, Principal Archaeologist) provided technical review of the report and technical support.

1.4 Disclaimer

This document has been prepared for the sole use of the authorised recipient, and this document may not be used, copied or reproduced in whole or part for any purpose other than that for which it was supplied by Umwelt. No other party should rely on this document without the prior written consent of Umwelt.

Umwelt undertakes no duty, nor accepts any responsibility, to any third party who may rely upon or use this document. Umwelt assumes no liability to a third party for any inaccuracies in or omissions to that information. Where this document indicates that information has been provided by third parties, Umwelt has made no independent verification of this information except as expressly stated.

No consultation with Aboriginal groups and/or individuals was undertaken in preparing this report.

©Umwelt (Australia) Pty Ltd 2025

2.0 Desktop Assessment of Development Corridor Additional Areas

2.1 Data Sources

Information regarding the known and potential Aboriginal and historical heritage resource of the Additional Areas was obtained from:

- A review of its the landscape context and surrounds.
- Search of heritage registers, including the *Aboriginal Heritage Information Management System* (AHIMS) data for land within and surrounding the Development Corridor Additional Areas, obtained from Heritage NSW on 14 May 2025 (AHIMS search #100421).
- A search of the National Native Title Register (NNTR) and Register of Native Title Claims (RNTC) administered by the National Native Title Tribunal (NNTT) for land within and surrounding the Project on 14 May 2025.
- A search of the Australian Heritage Database on 14 May 2025 inclusive of the World Heritage List, National Heritage List, Commonwealth Heritage List, Register of the National Estate, and NSW State Heritage Inventory.
- A review of the findings of past Aboriginal archaeological investigations within the Development Corridor Additional Areas and surrounds.
- Desktop review of aerial and satellite imagery of the Development Corridor Additional Areas and surrounding environs.

2.2 Landscape Context

Consideration of the landscape context of the Development Corridor Additional Areas is based on the concept that the nature and distribution of Aboriginal sites are connected to the environments in which they occur. Environmental variables such as topography, geology, hydrology and local vegetation and faunal communities are a key consideration to determining how Aboriginal peoples lived and utilised their Country prior to, and around the time of colonisation. In practical terms, these variables would have influenced the suitability of campsites, travelling routes, drinking water, plant and animal resources, and raw materials for the manufacture of stone and organic implements. Finally, a review of historical and contemporary land use activities contributes to a critical understanding of how these processes have potentially impacted the integrity of archaeological deposits.

Key observations from a review of the landscape context of the Development Corridor Additional Areas is presented in **Table 2.1**.

Table 2.1 Review of landscape context of the Mod-2 Development Corridor

Environmental Variable	Key Observations
Topography	The surrounding environs of the Development Corridor Additional Areas are located in a plateaued region of the Great Dividing Range. This area consists of multiple dissected plateau/crest landforms, ridges, and spurs, and is generally comprised of undulating plateau tops with steep margins, grading to long slopes of moderate to steep gradients and drainage depressions. Local relief can vary between 30 - 100 m with slope gradients between 5 - 20% (NSW Archaeology, 2017). Local relief for the land parcels that comprise the Development Corridor Additional Areas (Figure 1.1) are as follows: Additional Area 1 (Turee Vale Road): Moderately inclined sloping eastwards at a gradient of approximately 10% between the elevations of 815 to 730 metres above sea level (m ASL). Additional Area 2 (E16): Relatively steep sloping eastwards at a gradient of approximately 25% with the highest elevation being 650 m ASL. Additional Area 3 (R56_57): Flat terrain along a ridgeline trending northeast/southwest approximately 910 m ASL.
Hydrology	The Development Corridor Additional Areas are situated within the Castlereagh and Namoi River catchments. The environs surrounding the Development Corridor Additional Areas features numerous 1st and 2nd order tributaries and drainage channels only filled during periods of active rainfall. Major watercourses within the environs surrounding the Development Corridor Additional Areas include Coolaburragundy River and the Talbragar River, and their major tributaries including Gundare Creek, Diana Creek, Snake Creek, Turee Creek and Starkeys Creek. The major tributaries are generally 2nd or 3rd order streams, with the lower reaches of Turee Creek and Starkeys Creek being the most well-formed and defined. The Coolaburragundy River and Talbragar River are 4th- to 5th-order streams. Watercourses adjacent to the land parcels that comprise the Development Corridor Additional Areas (Figure 1.1) are as follows: Additional Area 1 (Turee Vale Road): An unnamed 3rd order watercourse immediately north of the Additional Area 1 parcel, discharging into Turee Creek (5th order) flowing southwards. Additional Area 2 (E16): To the west is situated Starkeys Creek (3rd order), and to the east the Norfolk Island Creek (3rd order), each flowing southwards. Additional Area 3 (R56_57): This parcel of the Development Corridor Additional Areas is situated on a ridgeline. To the west is situated Starkeys Creek (4th order), and to the east the Talbragar River (5th order), each flowing southwards.
Geology and Soils	Geological units underlying the Development Corridor Additional Areas and environs predominantly consist of the Liverpool Range Beds (comprising basalts and dolerite) which extends across much of the elevated landforms. Underlying this are Pillaga Sandstone (comprising quartz sandstone, conglomerate and claystone) on slopes trending towards drainage lines and areas from upper slope

Environmental Variable	Key Observations
	towards drainage lines and Quaternary alluvium (alluvium, sand and gravel) in low inclination landforms associated with drainage lines (Morgan, <i>et al.</i>, 1999). Geology is more variable to the south of the Development Corridor Additional Areas to the south of Cassilis (Morgan, <i>et al.</i>, 1999). Within this area there is a higher representation of Pillaga Sandstone formations in the southern portion of the Assessment Area and the addition of the Purlawaugh Formation (siltstone, mudstone, lithic quartz, sandstone) Illawarra Coal Measures (sandstone, mudstone, claystone, coal, rhyolitic tuff and conglomerate), Narrabeen Group (sandstone and mudstone) and Quarternary alluvium (Morgan, <i>et al.</i>, 1999). Of these stone raw materials, rhyolitic tuff was often used in the manufacture of stone artefacts whilst basalt of suitable quality was utilised for the manufacture of items such as ground edge axes. Further to this, sandstone outcrops exposed along creeklines were often utilised as a medium for grinding of axes, resulting in the formation of grinding grooves along such outcrops. Lastly, where sandstone is present in exposed steep-very steep slopes and weathers appropriately, large overhangs suitable for use as rock shelters can form. Rock shelters are unlikely to occur within the Development Corridor Additional Areas and surrounding environs. The soils within the Development Corridor Additional Areas and environs are predominately comprised of stony red brown loams on the ridges, shallow stony clay soils on the steeper slopes, and thicker deep black earths and self-mulching clays on lower slopes (Umwelt, 2024: 33). On a broader scale, soils are underlain by the Bow, Ant Hill, Argowen, Cranbourne, Galla Gilla, Merriwa River, Kindamindi, Erin, Coober-Bulga, Curryall, Dunwell, Warung, Yarramoor, Sandy Hollow, Summer Hill, Tingaroo, Durridgere, Hands on Rock and Pigeon Box soil landscapes (Murphy and Lawrie, 2010). Soil depth can vary from very shallow to shallow (<25-50cm) on crests, upper slopes and benches, moderately deep to deep (<50-150cm) on hillslopes, drainage channels and stream channels to very deep (150-500cm) on lower slopes, floodplains, and some crests and slopes (Murphy and Lawrie, 2010). Most of these soil profiles are erosional on crests and slopes and alluvial bordering key watercourses.
Flora and Fauna	Prior to European occupation and associated land clearance activities, it is likely that the vegetation on the more steeply inclined slopes would have hosted open eucalypt woodlands whilst riparian forests would have been present along watercourses, with open woodlands along the valley floors and mid slopes (Umwelt, 2024: 38). Vegetation communities of this type would have hosted a broad range of plant species that were utilised by Aboriginal people, including the grasses that are referred to in the ethnohistoric records as a key resource for Aboriginal people in the region (NSW Archaeology, 2017: 15). In addition, communities of these types would have been home to animal species that provided not only food for Aboriginal people but a range of other resources such as pelts, bone, and sinew. Lastly, the key watercourses would have been home to fish and freshwater shellfish as well as a range of water birds (NPWS, 2003: 132).

Environmental Variable	Key Observations
Land Disturbance	The <i>Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW</i> defines land as ‘disturbed’ if it has been the subject of human activity that has changed the land’s surface, being changes that remain clear and observable. This definition has been considered in this assessment. Examples include ploughing, construction of rural infrastructure (such as dams and fences), construction of roads, trails and tracks (including fire trails and tracks and walking tracks), clearing vegetation, construction of buildings and the erection of other structures, construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage and other similar infrastructure) and construction of earthworks (DECCW, 2010b: 18). The first recorded investigation of the region by Europeans occurred in 1818 when an expedition led by John Oxley headed out from Bathurst and the Macquarie Rivers, leading northeast to the Castlereagh River and along the coast to Newcastle (NSW Archaeology, 2014). Oxley reported that the Liverpool Plains contained abundant pastoral lands, if not difficult to access due to the difficulty of terrain and replicable route. This marked the beginning of a succession of exploratory tours and subsequent European settlement of the region into the 1820’s, during which time Europeans encountered few Aboriginal individuals or communities. In 1826, in response to demands associated with the spread of settlement, Governor Darling issued a Government Order which outlined the ‘<i>boundaries beyond which land was neither to be sold nor settlers allowed</i>’. A further Government Order on 14 October 1829 increased this area of approved settlement to include an area called the Nineteen Counties (NSW State Archives). This boundary passed through the Liverpool Plains to Pandora Pass, down the Coolaburragundy River and towards Wellington (Hickson, 2005). The town of Cassilis was established initially as a private village in early 1830’s with the settlement of Coolah following shortly after. Formal surveying was undertaken in 1832 and a mail service established between the two towns by 1848 (New South Wales Government Gazette, 1848, Friday 1st December, pg., 1753). The area within and surrounding the Development Corridor Additional Areas and surrounding environs was established as a predominately agriculturally based region, which has remained true. The key industries remain cattle breeding, wool and lamb production, crops, and cattle grazing.

2.3 Aboriginal Archaeological Context

2.3.1 Aboriginal Heritage Information Management System

The AHIMS database, administered by Heritage NSW, contains records of all Aboriginal objects reported to Heritage NSW in accordance with Section 89A of the NPW Act. It also contains information about Aboriginal places, which have been declared to have Aboriginal cultural significance. Recorded Aboriginal objects and declared Aboriginal places are defined under the NPW Act as ‘Aboriginal sites’.

A search of the AHIMS register undertaken on the 14 May 2025 (**Appendix A**) for an approximate 12 km buffer centred on the three (3) additions (**Section 1.1**) to the development corridor that comprise the Development Corridor Additional Area (i.e., the ‘AHIMS search area’; AHIMS search #100421) identified 100 Aboriginal sites (**Table 2.2, Figure 2.1**), all identified as ‘valid’.

As is typical for eastern Australia, open artefact sites (comprising one or more stone artefacts) were the most common Aboriginal site feature represented within the AHIMS search area, being recorded in 62% (n=62) of known Aboriginal sites. Culturally modified trees were recorded in 13% (n=13) of known Aboriginal sites within the AHIMS search area, and areas of potential archaeological deposit (PAD) being recorded in 16% (n=16) of Aboriginal sites.

Table 2.2 AHIMS-registered Aboriginal site types within the locality of the Development Corridor Additional Areas

Aboriginal Site Type	Frequency (n)	Percentage
Open artefact site	61	61.00
Culturally modified tree	13	13.00
Area of PAD	13	13.00
Grinding groove	7	7.00
Art (pigment or engraved)	3	3.00
Grinding groove, area of PAD	2	2.00
Open artefact site, area of PAD	1	1.00
Total	100	100.00%

Data source: Department of Climate Change, Energy, the Environment and Water, Ref: #1004201

There are relatively few Aboriginal sites recorded within the vicinity of the Development Corridor Additional Areas. Tabralgar River 1 (AHIMS ID #36-2-0077) was recorded as a grinding groove with associated area of PAD situated along Tabralgar River approximately 1.2 km southeast of the Additional Area 2 portion of the Mod-2 Application Project. LRWF ST 2 (AHIMS ID #28-6-0080) was recorded approximately 4 km southwest of the Additional Area 2 portions of the Development Corridor Additional Areas. The site was recorded as a culturally modified tree bearing an oviform wound face exhibiting occlusion.

No Aboriginal sites and/or areas of PAD have been recorded within 5 km of the Additional Area 3 (E56_57) portion of the Development Corridor Additional Areas.

FIGURE 2.1

Aboriginal sites within
the locality of the
Additional Areas to the
Development Corridor

Legend

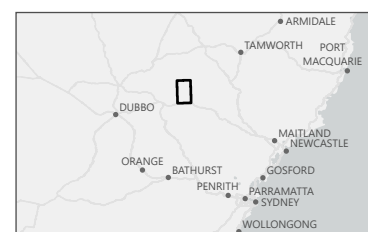
-  Project Area - Wind Farm
-  Expansion Areas to Development Corridor
-  Development Corridor - Wind Farm
-  Development Footprint – Wind Farm

AHIMS

- ▲ Culturally Modified Tree
- Open artefact site
- Potential Archaeological Deposit (PAD)
- Potential Archaeological Deposit (PAD). Grinding Groove

Strahler Stream Order

- 1
2
3
4
5
6



A horizontal number line is shown with tick marks at 0, 3, and 6. The segment between 0 and 3 is shaded in dark gray, representing the interval $[0, 3]$.

Scale 1:170,000 at A4
GDA2020 MGA Zone 55



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.

2.3.2 Heritage Database Searches

The following pieces of legislation are relevant in the assessment of Aboriginal heritage within the Development Corridor Additional Areas:

- *Environment Protection and Biodiversity Conservation Act 1999*
- *Native Title Act 1993*
- *Environmental Planning and Assessment Act 1979*
- *National Parks and Wildlife Act 1974*
- Warrumbungle LEP 2013

A search of databases and registers that list and contain information on items and places of Aboriginal heritage relevance were searched on 14 May 2025 to identify if any listings were present within the Development Corridor Additional Areas (**Table 2.3**).

Table 2.3 Aboriginal heritage database search results

Heritage Registers Searched 14 May 2025		Aboriginal heritage listings within Development Corridor Additional Areas
Local Environmental Plan	Schedule 5 of the Warrumbungle Local Environmental Plan (2013)	None
	World Heritage List	None
Australian Heritage Databases	National Heritage List	None
	Commonwealth Heritage List	None
	Register of the National Estate	None
	NSW State Heritage Inventory	None
Native Title	National Native Title Register	None
	Register of Native Title Claims	Gomeroi People (NC2011/006)
	Indigenous Land Use Agreements	None

2.3.3 Previous Aboriginal Cultural Heritage Assessments

For contextual purposes, a selection of publicly available archaeological reports documenting investigations nearby to the Development Corridor Additional Areas were consulted. A summary of these investigations including their findings are presented in **Table 2.4** below.

Table 2.4 Previous Aboriginal Cultural Heritage Assessments

Assessment	Observations and Implications
Changing Land Use and Settlement Patterns in the Upper Macquarie River Region of NSW (Pearson, 1981)	Pearson (1981) completed a regional synthesis for the Upper Macquarie River region which included survey within the Mudgee area. In compiling the synthesis, Pearson (1981) identified that proximity to water was a key factor in the distribution of artefact scatters, with larger sites typically found in association with water courses. In contrast quarry sites were typically found where suitable stone materials were readily accessible whilst stone arrangements were generally associated with hills and crests.
Aboriginal cultural heritage assessment: Brigalow Belt South Stage 2 (Purcell, 2002)	Purcell undertook a regional archaeological study of the Brigalow Belt Bioregion in consultation with Aboriginal stakeholders. The assessment included the recording of oral history accounts, a review of available written records and targeted field survey. Field surveys within the Liverpool Ranges province of the Brigalow Belt South Bioregion resulted in the identification of seven (7) new Aboriginal sites. Purcell (2002:53) identified a pattern within the bioregion where the distribution of sites is influenced by proximity to water and notes that 'some landform types will have greater cultural potential than others'. This links with oral history recordings which identify the cultural importance to Aboriginal people in the region of key water features.
Moolarben Coal Project – Aboriginal cultural heritage assessment report (Hamm, 2006)	Hamm (2006) completed an assessment for Moolarben Coal Mine approximately 48 km to the south of the Mod-2 Application Project. Surveys encompassed an area of nearly 35 km ² . Hamm (2006) recorded 234 Aboriginal sites, comprising 17 rockshelters (with artefacts or art), one (1) culturally modified tree, one (1) grinding groove site, 12 areas of PAD, and 203 open artefact sites. Lithic raw materials for recorded stone artefacts were predominantly quartz, with smaller proportions of tuff, and other lithologies represented in relatively minor quantities. Findings of the 2006 surveys, supplemented by an additional survey in 2008, identified that Aboriginal sites concentrated along watercourses and ridgelines.
Ulan Coal Continued Operations: Aboriginal heritage assessment volume A (South East Archaeology, 2009)	South East Archaeology (2009) undertook an assessment on behalf of Ulan Coal Continued Operations approximately 48 km to the south of the Mod-2 Application Project. A total of 709 Aboriginal sites were recorded, with open artefact sites comprising 75% of recorded sites, and rockshelters with associated artefacts and/or art comprised a further 18% of recorded Aboriginal sites. South East Archaeology (2009) proposed a revised occupation model: Aboriginal occupation extended across almost all of the area assessed but was typically at low intensity.

Assessment	Observations and Implications
	- Rock shelters over 50 m from a key watercourse (but often adjacent to a first order drainage) seem to have been subject to more intensive use. - Focussed occupation in the region is more likely to have occurred within contexts associated with major watercourses. - Grinding grooves occur where suitable sandstone bedrock outcrops, most commonly in drainage - Stone arrangements occur in elevated landforms away from watercourses.
Liverpool Range Wind Farm Stage 1 Aboriginal Cultural Heritage Assessment Report (NSW Archaeology, 2014) Updated Liverpool Range Wind Farm Stage 1 Aboriginal Cultural Heritage Assessment Report. (NSW Archaeology, 2017)	NSW Archaeology undertook two (2) ACHAs to inform the application for Development Consent SSD 6696 for the Liverpool Range Wind Farm which was approved in 2018. NSW Archaeology (2014; 2017: 36-38) developed a predictive model for the area that identified the following: - Sites containing stone artefacts may be present in variable densities in all landforms, with densities of stone artefacts predicted to be low to negligible on crests and slopes, with artefact densities being greatest in landforms with access to water courses. - Culturally modified trees were considered unlikely to be present due to the extent of historical land clearance. - Stone quarries may occur within basalt exposures on ridgelines. - Burials may occur in deep alluvial soils however the potential to detect sites of this type was considered low. The survey units associated with the proposed transmission line were assessed as likely to contain low to very low densities of stone artefacts. The exceptions to this were the portions of the survey units that provided direct access to high order streams, where artefact densities were predicted to be higher, potentially reaching moderate densities.
Liverpool Range Wind Farm – Mod-1: Aboriginal Cultural Heritage Assessment (Umwelt, 2022a)	Umwelt (2022a) prepared an ACHA to support modifications to the development corridor of the approved Liverpool Range Wind Farm (SSD 6696) (NSW Archaeology 2014; 2017)¹. Surveys were conducted of the unassessed MOD1 development corridor supplementing the original surveys by NSW Archaeology (2014; 2017). Eight (8) Aboriginal sites were recorded, comprising four (4) open artefact sites and four (4) culturally modified trees. The ACHA determined that the broader landscape of the Mod-1 Development Corridor had low archaeological potential, however areas of higher archaeological sensitivity were documented on flat landforms adjacent to watercourses, and along ridgelines.

¹ Liverpool Range Wind Farm approved through SSD 6696 in 2018 included the Mod-2 Application Additional Areas assessed in this report.

2.3.4 Aboriginal Heritage – Key Observations

Key observations to be drawn from a review of both the environmental and Aboriginal archaeological context of the Development Corridor Additional Areas and environs are as follows:

- Open artefact sites are the most common Aboriginal site type identified across the cultural landscape, with culturally modified trees and areas of PAD being less abundant, but still consistently recorded.
- Raw material for artefact manufacture predominantly comprises locally available quartz, with minor contributions of tuff, chert and other lithologies.
- Areas of archaeological potential have been defined (NSW Archaeology, 2017: 37; Umwelt, 2022a: 57) as relatively flat landforms adjacent to watercourses (2nd or higher order), as well as ridgelines and spurs.
- Land clearing practices associated with European occupation in the area, coupled with long periods of pastoral activity has potentially compromised the depositional integrity of portions of the landscape and any Aboriginal objects contained within due to exacerbated erosion and loss of topsoil.
- The Development Corridor Additional Areas that comprise the Mod-2 Application Development Corridor have been previously assessed by NSW Archaeology (2014; 2017), who identified low archaeological potential.

2.4 Historical Heritage (Non-Aboriginal)

Historical heritage in Australia generally relates to the study of the past using physical evidence in conjunction with historical sources. Historical archaeology is generally defined as comprising the period since European arrival in Australia in 1788.

An archaeological resource is the physical evidence of the past and may comprise sub-surface evidence including building foundations, occupation deposits, features and artefacts. The historical archaeological potential of an area is the likelihood that there may be physical evidence relating to earlier phases of development and occupation beneath the current footprint of a site.

2.4.1 Early European Settlement

The first recorded investigation of the region by Europeans occurred in 1818 when an expedition led by John Oxley headed out from Bathurst and the Macquarie Rivers, leading northeast to the Castlereagh River and along the coast to Newcastle (NSW Archaeology, 2014). Oxley reported that the Liverpool Plains contained abundant pastoral lands, if not difficult to access due to the difficulty of terrain and replicable route. This marked the beginning of a succession of exploratory tours and subsequent European settlement of the region into the 1820's, during which time Europeans encountered few Aboriginal individuals or communities.

In 1826, in response to demands associated with the spread of settlement, Governor Darling issued a Government Order which outlined the 'boundaries beyond which land was neither to be sold nor settlers allowed'. A further Government Order on 14 October 1829 increased this area of approved settlement to include an area called the Nineteen Counties (NSW State Archives). This boundary passed through the Liverpool Plains to Pandora Pass, down the Coolaburragundy River and towards

Wellington (Hickson, 2005). The town of Cassilis was established initially as a private village in early 1830's with the settlement of Coolah following shortly after. Formal surveying was undertaken in 1832 and a mail service established between the two towns by 1848 (New South Wales Government Gazette, 1848, Friday 1st December, pg., 1753).

2.4.2 Land use history

The area within and surrounding the Development Corridor Additional Areas and surrounding environs was established as a predominately agriculturally based region, which has remained true. The key industries remain cattle breeding, wool and lamb production, crops, and cattle grazing.

2.4.3 Database Searches

- *Environmental Planning and Assessment Act 1979*
- *Heritage Act 1977*
- Warrumbungle LEP 2013

Searches of the Warrumbungle Local Environmental Plan (2013) as well as heritage databases listed in **Table 2.5** on 14 May 2025. No historical heritage items were listed within the Development Corridor Additional Areas or surrounding environs.

Table 2.5 Historical heritage database search results

Heritage Registers Searched 14 May 2025		Historical heritage listings within Development Corridor Additional Areas
Local Environmental Plan	Schedule 5 of the Warrumbungle Local Environmental Plan (2013)	None
	World Heritage List	None
Australian Heritage Databases	National Heritage List	None
	Commonwealth Heritage List	None
	Register of the National Estate	None
	NSW State Heritage Inventory	None

2.5 Potential Impacts

Based on the results of the desktop assessment, an identification of potential impacts is presented in the following sections. It should be noted that these areas have been previously assessed by NSW Archaeology (2014; 2017) to have low archaeological potential and the intent of this section is to verify that assessment through a desktop review while ensuring that register searches are up to date. The following considerations were used to assess the potential for Aboriginal sites to occur:

- High – Known Aboriginal sites occur within a 50 m buffer area.
- High – Known elements of historical heritage within a 50 m buffer area.
- Moderate – Areas within 200 m of archaeologically sensitive landforms (e.g. 2nd order and higher watercourses) with a higher potential to retain Aboriginal objects².
- Low – Areas with no known Aboriginal sites and no archaeologically sensitive landforms.

2.5.1 Additional Area 1 (Turee Vale Road)

Development Corridor Additional Area 1 (Turee Vale Road) is not situated within 50 m of any known Aboriginal sites. Additional Area 1 (Turee Vale Road) is situated within 200 m of an unnamed 3rd order watercourse, however is situated within a relatively steeply sloping landform (over 10% gradient), and as such has a low likelihood of retaining Aboriginal objects.

Additional Area 1 (Turee Vale Road) is not situated near any elements of historical heritage. Furthermore, Additional Area 1 (Turee Vale Road) is situated within an environment which has been subject to extensive disturbance in relation to the historical and contemporary use of the area for agricultural and pastoral purposes.

Additional Area 1 (Turee Vale Road) is determined to have low archaeological potential.

2.5.2 Additional Area 2 (E16)

Additional Area 2 (E16) is not situated within 50 m of any known Aboriginal sites. Additional Area 2 (E16) is not situated within 200 m of a 2nd or higher order watercourse. Additional Area 2 (E16) is not situated within any archaeologically sensitive landforms.

Additional Area 2 (E16) is not situated near any elements of historical heritage. Furthermore, Additional Area 2 (E16) is situated within an environment which has been subject to extensive disturbance in relation to the historical and contemporary use of the area for agricultural and pastoral purposes.

Additional Area 2 (E16) is determined to have low archaeological potential.

² Sensitive landforms for the purpose of this assessment are made with reference to the Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (DECCW) and any further implications from archaeological observations mentioned in Section 2.3.3 of this assessment.

2.5.3 Additional Area 3 (E56_57)

Additional Area 3 (E56_57) is not situated within 50 m of any known Aboriginal sites. Additional Area 3 (E56_57) is not situated within 200 m of a 2nd or higher order watercourse. Additional Area 3 (E56_57) is not situated within any archaeologically sensitive landforms.

Additional Area 3 (E56_57) is not situated near any elements of historical heritage. Furthermore, Additional Area 3 (E56_57) is situated within an environment which has been subject to extensive disturbance in relation to the historical and contemporary use of the area for agricultural and pastoral purposes.

Additional Area 3 (E56_57) is determined to have low archaeological potential.

2.6 Conclusions

Through a review of the environmental and archaeological context for the Development Corridor Additional Areas and environs, this assessment has concluded that there is a low likelihood for Aboriginal objects to be present within the Development Corridor Additional Areas. Additionally, there are no historical heritage items at risk of impact within these areas.

Therefore, there is no change in heritage impacts under the Mod-2 Application from those already approved for the Project.

Recommendations for the management of potential Aboriginal cultural heritage are presented below in **Section 3.0**.

3.0 Recommendations

3.1 Aboriginal Heritage

This report has concluded that the Development Corridor Additional Areas do not feature known Aboriginal objects or places and have a low probability for Aboriginal objects to be present and no additional management and mitigation over and above that already applied through Development Consent SSD 6696 is required. As such, the Development Corridor Additional Areas should be integrated into the Project under a Project Heritage Management Plan (HMP) (Umwelt, 2025 in preparation) to address the relevant conditions of the Development Consent SSD 6696. The HMP will include provisions for managing new/unexpected finds and suspected human remains.

3.2 Historical Heritage (Non-Aboriginal)

This report has concluded that the Additional Areas do not feature known elements or relics of historical heritage, and have a low probability for elements or relics of historical heritage to be present. No additional management and mitigation over and above that already applied through Development Consent SSD 6696 is required. As such, the Development Corridor Additional Areas should be integrated into the Project under the HMP to address the relevant conditions of the Development Consent SSD 6696.

4.0 References

- Hickson, B.J. (2005). *Coolah Shire (former) Heritage Study Report*.
- Department of Environment, Climate Change and Water. (2010a). *Aboriginal Cultural Heritage Consultation Requirements for Proponents*. Department of Environment, Climate Change and Water NSW, Sydney.
- Department of Environment, Climate Change and Water (2010b). *Due Diligence Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*. Department of Environment, Climate Change and Water NSW, Sydney.
- Hamm, G. (2006). *Moolarben Coal Project – Aboriginal cultural heritage assessment report*. Unpublished report to Moolarben Coal Mines Pty Ltd.
- Morgan, E. J., Cameron, R. G., Colquhoun, G. P., Meakin, N. S., Raymond, O. L., Scott, M. M., Watkins, J.J., Barron, L.M., Henderson, G.A.M., Krynen, J.P. and Pogson, D.J., & Jagodzinski, E.A. (1999). Dubbo 1: 250 000 Geological Sheet SI/55-4. *Geological Survey of New South Wales*. Sydney and Australian Geological Survey Organisation, Canberra.
- Murphy B.W. and Lawrie J.M. (2010). *Soil Landscapes of the Dubbo 1:250,000 Sheet map, Edition 1 reprint*. Department of Environment, Climate Change and Water NSW, Sydney.
- National Parks and Wildlife Service (2003). *The Bioregions of New South Wales: Their biodiversity, conservation and history* NSW National Parks and Wildlife Service Hurstville
- New South Wales Archaeology Pty Ltd. 2014. *Liverpool Range Wind Farm Stage 1 Aboriginal Cultural Heritage Assessment Report*. Unpublished report to Epuron Pty Ltd.
- New South Wales Archaeology Pty Ltd. 2017. *Updated Liverpool Range Wind Farm Stage 1 Aboriginal Cultural Heritage Assessment Report*. Unpublished report to Epuron Pty Ltd.
- Pearson, M. (1981). *Seen Through Different Eyes: Changing Land Use and Settlement Patterns in the Upper Macquarie River Region of NSW from Prehistoric Times to 1860*. Department of Prehistory and Anthropology, Australian National University.
- Purcell, P. (2002). *Aboriginal cultural heritage assessment, Brigalow Belt South Stage 2*. Unpublished report to Resource and Conservation Assessment Council.
- South-East Archaeology. (2009). *Ulan Coal Continued Operations. Aboriginal heritage assessment volume A*. Unpublished report to Umwelt on behalf of Ulan Coal Mines.
- Umwelt (Australia) Pty Ltd. (2022a). *Liverpool Range Wind Farm MOD-1: Aboriginal Cultural Heritage Assessment*. Unpublished report to Tilt Renewables Pty Ltd.
- Umwelt (Australia) Pty Ltd. (2022b). *Liverpool Range Wind Farm MOD-1: Historical Heritage Assessment*. Unpublished report to Tilt Renewables Pty Ltd.
- Umwelt (Australia) Pty Ltd. (2023a). *Liverpool Range Wind Farm Addendum Report: Aboriginal Cultural Heritage Assessment*. Unpublished report to Tilt Renewables Pty Ltd.
- Umwelt (Australia) Pty Ltd. (2023b). *Liverpool Range Wind Farm: Temporary Workers Accommodation – Aboriginal Cultural Heritage Assessment*. Unpublished report to Tilt Renewables Pty Ltd.

AHIMS Search Results



Umwelt (Australia) Pty Limited - Individual users

Date: 14 May 2025

75 York Street

Teralba New South Wales 2284

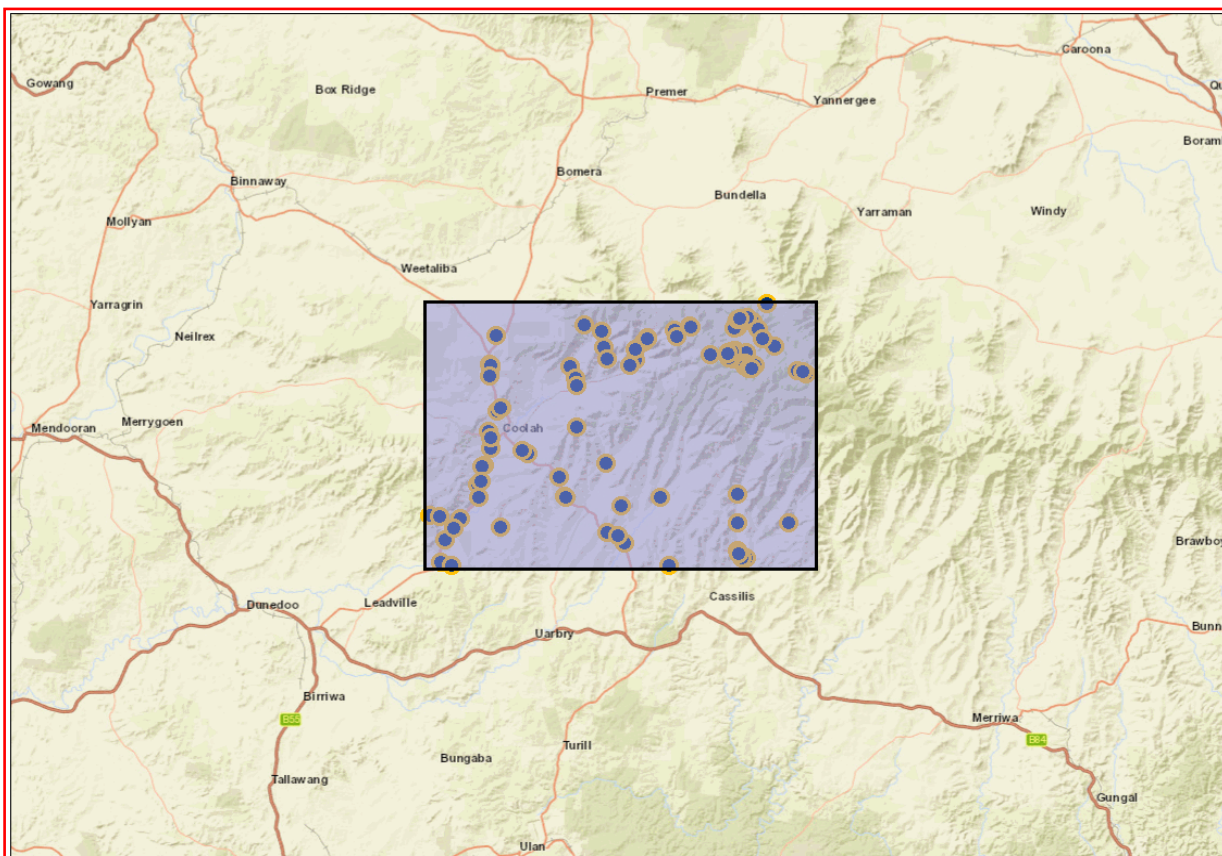
Attention: Brent Koppel

Email: bkoppel@umwelt.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat, Long From : -31.9708, 149.6221 - Lat, Long To : -31.6791, 150.1165, conducted by Brent Koppel on 14 May 2025.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

100	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(https://www.legislation.nsw.gov.au/gazette\)](https://www.legislation.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
29-4-0007	Isolated Artefact_(IA 2);IA 2; Contact	AGD	56	216850	6484100	Open site	Valid	Artefact : - Permits	Isolated Find	2752,105401
29-4-0008	Isolated Artefact_(IA 3);IA 3; Contact	AGD	56	216150	6484854	Open site	Valid	Artefact : - Permits	Isolated Find	2752
28-6-0010	Coolah; Contact	AGD	55	755800	6476000	Open site	Valid	Grinding Groove : - Permits	Axe Grinding Groove	
28-6-0075	Diana Creek Contact	GDA	55	769971	6486128	Open site	Valid	Potential Archaeological Deposit (PAD) : - Permits		
28-6-0037	DTG/IF11 - Coolaburragundy 3 Contact	AGD	55	756000	6473900	Open site	Valid	Artefact : - Permits	Isolated Find	
28-6-0023	Black Stump Creek; Contact	AGD	55	756100	6484220	Open site	Valid	Grinding Groove : - Permits	Axe Grinding Groove	
36-2-0077	Talbragar River 1 Contact	GDA	55	776148	6467632	Open site	Valid	Potential Archaeological Deposit (PAD) : -, Grinding Groove : 1 Permits		
29-4-0046	BUNDELLA CREEK 1 Contact	AGD	56	220620	6490990	Open site	Valid	Artefact : - Permits		
24-6-0033	Southwest Poopelloe Lake AS5 Contact	GDA	55	778458	6487910	Open site	Valid	Artefact : - Permits		
29-6-0052	HV 17; Contact	AGD	56	219000	6460000	Open site	Valid	Grinding Groove : - Permits	Axe Grinding Groove	929
29-4-0041	Warung State Forest Site 24;WSF-S24; Contact	AGD	56	224550	6482850	Open site	Valid	Artefact : - Permits	Open Camp Site	2752
29-4-0006	Isolated Artefact_(IA 1);IA 1; Contact	GDA	56	214212	6484704	Open site	Valid	Artefact : - Permits	Isolated Find	2752,105401
29-4-0051	Coolah Tops Coxsâ€™ Ck Sawmill Artefact Scatter Contact	GDA	56	217068	6485353	Open site	Valid	Artefact : - Permits		
29-4-0052	Coolah Tops Mullian Trail Artefact Contact	GDA	56	217162	6488559	Open site	Valid	Artefact : - Permits		
28-6-0060	Orana OS-1	GDA	55	757004	6464532	Open site	Valid	Artefact : -, Potential Archaeological Deposit (PAD) : -		

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 22999

Client Service ID : 1004201

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.Brendan Fisher					<u>Permits</u>		
29-4-0012	Isolated Artefact_(IA 7);IA 7;	AGD	56	221690	6485760	Open site	Valid	Artefact : -	Isolated Find	2752,105401
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
28-6-0076	Mooki Creek	GDA	55	770266	6484626	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					<u>Permits</u>		
28-6-0035	DTG/OC34 - Coolaburragundy 2	AGD	55	755100	6471910	Open site	Valid	Artefact : -	Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>	Stephanie Garling					<u>Permits</u>	2300,2304	
36-2-0078	Talbragar River 2	GDA	55	771725	6462254	Open site	Valid	Potential Archaeological Deposit (PAD) : -, Grinding Groove : 1		
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited - Individual users,Miss.Rebecca Ogden-Brunell,Mis					<u>Permits</u>		
29-4-0025	Warung State Forest Site 8;WSF-S8;	AGD	56	216840	6484990	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0026	Warung State Forest Site 9;WSF-S9;	AGD	56	217080	6485140	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0029	Warung State Forest Site 12;WSF-S12;	AGD	56	217220	6488800	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0031	Warung State Forest Site 14;WSF-S14;	AGD	56	218120	6489140	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0034	Warung State Forest Site 17;WSF-S17;	AGD	56	218420	6484910	Open site	Valid	Artefact : -	Open Camp Site	2752,105401
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0035	Warung State Forest Site 18;WSF-S18;	AGD	56	218300	6483590	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0039	Warung State Forest Site 22;WSF-S22;	AGD	56	219400	6483360	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0010	Isolated Artefact_(IA 5);IA 5;	AGD	56	219000	6488660	Open site	Valid	Artefact : -	Isolated Find	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
28-6-0011	Bong Bong;Coolah;	AGD	55	748500	6466000	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
28-6-0071	Coolaburragundy River 4	GDA	55	775169	6487076	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					<u>Permits</u>		

Report generated by AHIMS Web Service on 14/05/2025 for Brent Koppel for the following area at Lat, Long From : -31.9708, 149.6221 - Lat, Long To : -31.6791, 150.1165. Number of Aboriginal sites and Aboriginal objects found is 100

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

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 22999

Client Service ID : 1004201

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
28-6-0073	Coolaburragundy River 2	GDA	55	773650	6484407	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss. Alison Fenwick							Permits
28-6-0074	Gundare Creek 2	GDA	55	769685	6488105	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss. Alison Fenwick							Permits
28-6-0079	LRWF AS1	GDA	55	766585	6481503	Open site	Valid	Artefact : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss. Alison Fenwick							Permits
29-4-0057	Munmurra Grinding Grooves 1	GDA	56	218670	6460204	Open site	Valid	Grinding Groove : -		
	Contact	Recorders	Niche Environment and Heritage, Miss. Chelsea Freeman							Permits
28-6-0036	DTG/ST32 - Coolaburragundy 1	AGD	55	754920	6471740	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Stephanie Garling							Permits
28-6-0040	DTG/ST31 - Vaughans Gully 1	AGD	55	757350	6478810	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Ms. Adrienne Howe-Piening							Permits
28-6-0022	Collieblue;	AGD	55	764040	6470250	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Warren Bluff							Permits
29-4-0054	CB20-IF02	GDA	56	218018	6464375	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr. Joel Deacon, Arrow Heritage Solutions							Permits
29-4-0021	Warung State Forest Site 4; WSF-S4;	AGD	56	216157	6484849	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr. Warwick Pearson							Permits
29-4-0023	Warung State Forest Site 6; WSF-S6;	AGD	56	216590	6485010	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr. Warwick Pearson							Permits
29-4-0028	Warung State Forest Site 11; WSF-S11;	AGD	56	217180	6488030	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr. Warwick Pearson							Permits
29-4-0036	Warung State Forest Site 19; WSF-S19;	AGD	56	218340	6483220	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr. Warwick Pearson							Permits
29-4-0056	CB20-IF03	GDA	56	218118	6461052	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr. Joel Deacon, Arrow Heritage Solutions							Permits
29-4-0020	Warung State Forest Site 3; WSF-S3;	AGD	56	216154	6484851	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr. Warwick Pearson							Permits
28-6-0053	Liverpool Range LU30-L1	GDA	55	776965	6459411	Open site	Valid	Artefact : -		

Report generated by AHIMS Web Service on 14/05/2025 for Brent Koppel for the following area at Lat, Long From : -31.9708, 149.6221 - Lat, Long To : -31.6791, 150.1165. Number of Aboriginal sites and Aboriginal objects found is 100

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

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Doctor:Julie Dibden,NSW Archaeology Pty Ltd					Permits		
28-6-0055	Liverpool Range LU6-L1	GDA	55	766467	6476439	Open site	Valid	Artefact : -		
	Contact	Recorders	Doctor:Julie Dibden,NSW Archaeology Pty Ltd					Permits		
28-6-0066	Junction Creek	GDA	55	769750	6472027	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0067	Turee Creek 2	GDA	55	764718	6468055	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0068	Turee Creek 1	GDA	55	764868	6467940	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0072	Coolaburragundy River 3	GDA	55	774696	6486560	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0077	Gundare Creek 1	GDA	55	765775	6483870	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0080	LRWF ST 2	GDA	55	771455	6466740	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0081	LRWF AS 2	GDA	55	780296	6488366	Open site	Valid	Artefact : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0084	LRWF IA 1	GDA	55	766474	6482375	Open site	Valid	Artefact : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users, Miss.Alison Fenwick					Permits		
28-6-0045	DTG/ST45 - Cox Gap 1	AGD	55	756850	6478450	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Mr.Mark Rawson					Permits		
28-6-0031	DTG/ST27 - Naturi	AGD	55	749625	6460275	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Ms.Adrienne Howe-Piening					Permits		
28-6-0039	DTG/OC33 - Gotta Rock 1	AGD	55	754610	6469900	Open site	Valid	Artefact : -	Open Camp Site	
	Contact	Recorders	Mr.Mark Rawson					Permits	2300,2304	

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 22999

Client Service ID : 1004201

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
28-6-0042	DTG/OC36 - Black Stump 1	AGD	55	756240	6483820	Open site	Valid	Artefact : -	Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0043	DTG/ST33 - Black Stump 2	AGD	55	756200	6484020	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0044	DTG/IF12 - Mingladon	AGD	55	756970	6487700	Open site	Valid	Artefact : -	Isolated Find	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0021	Quindalup 2;	AGD	55	769600	6463420	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
29-4-0024	Warung State Forest Site 7;WSF-S7;	AGD	56	216690	6484990	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
29-4-0027	Warung State Forest Site 10;WSF-S10;	AGD	56	216870	6487890	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
29-4-0033	Warung State Forest Site 16;WSF-S16;	AGD	56	219670	6487800	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
29-4-0037	Warung State Forest Site 20;WSF-S20;	AGD	56	218640	6483040	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0004	Pound Gully Estate Pilga Butta 2	AGD	55	749680	6465790	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2074
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0062	The Rock IF-1	GDA	55	754390	6469814	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
29-4-0019	Warung State Forest Site 2;WSF-S2;	AGD	56	216154	6484839	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0070	Snake Creek	GDA	55	775122	6487004	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0064	LRWF_TWA_IF1	GDA	55	760493	6473450	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0032	DTG/OC35 - Baladonga	AGD	55	756030	6482775	Open site	Valid	Artefact : -	Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
28-6-0041	DTG/ST30 - Vaughans Gully 2	AGD	55	757310	6478870	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							

Report generated by AHIMS Web Service on 14/05/2025 for Brent Koppel for the following area at Lat, Long From : -31.9708, 149.6221 - Lat, Long To : -31.6791, 150.1165. Number of Aboriginal sites and Aboriginal objects found is 100

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
29-4-0053	CB20-IF01	GDA	56	218181	6460717	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.Joel Deacon,Arrow Heritage Solutions					Permits		
29-4-0030	Warung State Forest Site 13;WSF-S13;	AGD	56	217240	6488940	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr.Warwick Pearson					Permits		
37-1-0408	HV 12;	AGD	56	224000	6464452	Open site	Valid	Artefact : -	Open Camp Site	929
	Contact	Recorders	Margrit Koettig					Permits		
28-6-0009	Galandene;Coolah;	AGD	55	755950	6475200	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	1333
	Contact	Recorders	L Ahearn					Permits		
29-4-0016	Isolated Artefact_(IA 11);IA 11;	AGD	56	225650	6482520	Open site	Valid	Artefact : -	Isolated Find	2752
	Contact	Recorders	Mr.Warwick Pearson					Permits		
28-6-0069	Upland Basin	GDA	55	780399	6488220	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					Permits		
28-6-0078	Coolaburragundy River 1	GDA	55	766584	6481535	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					Permits		
28-6-0082	LRWF CS 1	GDA	55	773646	6485776	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					Permits		
28-6-0065	LRWF_TWA_IF2	GDA	55	759905	6473853	Open site	Valid	Artefact : -		
	Contact	Recorders	Umwelt (Australia) Pty Limited - Individual users,Mr.Andrew Crisp					Permits		
28-6-0033	DTG/OC32 - Bindaree	AGD	55	754400	6468090	Open site	Valid	Artefact : -	Open Camp Site	
	Contact	Recorders	Mr.Mark Rawson					Permits	2300,2304	
28-6-0034	DTG/OC31 - Belang	AGD	55	752060	6465560	Open site	Valid	Artefact : -	Open Camp Site	
	Contact	Recorders	Mr.Michael Therin					Permits	2300,2304	
28-6-0038	DTG/SHDI-4 - Gotta Rock 2-5	AGD	55	754630	6469940	Closed site	Valid	Artefact : -	Shelter with Deposit	
	Contact	Recorders	Mr.Mark Rawson					Permits		
28-6-0020	Quindalup;	AGD	55	770840	6462980	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	Warren Bluff					Permits		
29-4-0032	Warung State Forest Site 15;WSF-S15;	AGD	56	218350	6489200	Open site	Valid	Artefact : -	Open Camp Site	2752
	Contact	Recorders	Mr.Warwick Pearson					Permits		
29-4-0043	Norfolk Falls Art Site;NFAS;	AGD	56	216168	6484836	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2752

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 22999

Client Service ID : 1004201

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0009	Isolated Artefact_(IA 4);IA 4;	AGD	56	217510	6489090	Open site	Valid	Artefact : -	Isolated Find	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0011	Isolated Artefact_(IA 6);IA 6;	AGD	56	220290	6486630	Open site	Valid	Artefact : -	Isolated Find	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
28-6-0006	Hannah's Bridge;	AGD	55	751000	6459900	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	Isabel McBryde					<u>Permits</u>		
28-6-0048	BBS; Gilgandra LALC; Crown Reserve	AGD	55	750172	6463037	Open site	Valid	Artefact : 30		98850
	<u>Contact</u>	<u>Recorders</u>	Phil Purcell,Gilgandra LALC - BBS Survey team					<u>Permits</u>		
29-4-0013	Isolated Artefact_(IA 8);IA 8;	GDA	56	216454	6484474	Open site	Valid	Artefact : -	Isolated Find	2752,105401
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>		
29-4-0017	Isolated Artefact_(IA 12);IA 12;	AGD	56	225220	6482840	Open site	Valid	Artefact : -	Isolated Find	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0018	Warung State Forest Site 1;WSF-S1;	AGD	56	216143	6484838	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
28-6-0054	Liverpool Range LU10-L1	GDA	55	778664	6487168	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Doctor.Julie Dibden,NSW Archaeology Pty Ltd					<u>Permits</u>		
29-4-0055	CB20-ST01	GDA	56	217947	6467940	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Joel Deacon,Arrow Heritage Solutions					<u>Permits</u>		
29-4-0022	Warung State Forest Site 5;WSF-S5;	AGD	56	216190	6484810	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
29-4-0038	Warung State Forest Site 21;WSF-S21;	AGD	56	219080	6483060	Open site	Valid	Artefact : -	Open Camp Site	2752
	<u>Contact</u>	<u>Recorders</u>	Mr.Warwick Pearson					<u>Permits</u>		
28-6-0013	Pilca Butta No 2;	AGD	55	751260	6464350	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	<u>Contact</u>	<u>Recorders</u>	Warren Bluff					<u>Permits</u>		
28-6-0056	TRLR_IF_1	GDA	55	772976	6483852	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited - Individual users,Miss.Jessica Blackman					<u>Permits</u>		
28-6-0083	LRWF ST1	GDA	55	767703	6488869	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited - Individual users,Miss.Alison Fenwick					<u>Permits</u>		

Report generated by AHIMS Web Service on 14/05/2025 for Brent Koppel for the following area at Lat, Long From : -31.9708, 149.6221 - Lat, Long To : -31.6791, 150.1165. Number of Aboriginal sites and Aboriginal objects found is 100

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.

