

Axe grinding groove site at Killoe Creek (37-1-1033 [Killoe Creek GG1]).

## **ADDENDUM ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT**

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### **GOULBURN RIVER SOLAR FARM**

UPPER HUNTER LOCAL GOVERNMENT AREA, NSW

DECEMBER 2023

Report prepared by  
OzArk Environment & Heritage  
for Umwelt (Australia)

on behalf of Lightsource Development Services Australia Pty Ltd



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### **Acknowledgement**

OzArk acknowledge the traditional custodians of the area on which this assessment took place and pay respect to their beliefs, cultural heritage, and continuing connection with the land. We also acknowledge and pay respect to the post-contact experiences of Aboriginal people with attachment to the area and to the Elders, past and present, as the next generation of role models and vessels for memories, traditions, culture and hopes of local Aboriginal people.

## ABBREVIATIONS AND GLOSSARY

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ACHAR	Aboriginal Cultural Heritage Assessment Report. As set out in the <i>Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales</i> , all developments where harm to Aboriginal objects is likely must be assessed in an ACHAR.
ACHCRs	<i>Aboriginal Cultural Heritage Consultation Requirements for Proponents</i> . Guidelines for conducting Aboriginal community consultation for developments where harm to Aboriginal objects is likely.
Addendum Study Area	Areas of proposed additional impact related to Wollara and Ringwood Roads and the intersection with the Golden Highway.
AHIMS	Aboriginal Heritage Information Management System. Administered by the DPE, AHIMS is the central register of all Aboriginal sites within NSW.
Code of Practice	<i>Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales</i> under Part 6 NPW Act. Issued by DECCW in 2010, the Code of Practice is a set of guidelines that allows limited test excavation without the need to apply for an AHIP.
Development Footprint	The area within which all project impacts will be located.
EIS	Environmental Impact Statement. A required document for major projects documenting all potential impacts to the environment, including heritage, that may arise due to the development.
Heritage NSW	Government department tasked with ensuring compliance with the NPW Act. Heritage NSW is advised by the Aboriginal Cultural Heritage Advisory Committee (ACHAC).
Lightsource bp	Lightsource Development Services Australia Pty Ltd
NPW Act	<i>National Parks and Wildlife Act 1974</i> . Primary legislation governing Aboriginal cultural heritage within NSW.
RAP	Registered Aboriginal Party. An individual or group who have indicated through the ACHCR process that they wish to be consulted regarding the project.

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## EXECUTIVE SUMMARY

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OzArk Environment and Heritage (OzArk) has been engaged by Umwelt (Australia) Pty Ltd on behalf of Lightsource Development Services Australia Pty Ltd (Lightsource bp) (the proponent) to complete an Addendum Aboriginal Cultural Heritage Assessment Report for several amendments to the original project design as outlined in the Environmental Impact Statement (EIS), associated with the Goulburn River Solar Farm (SSD-33951458) (the Project). The amendments are termed 'the Amended Project' in this report.

The Amended Project is in the Upper Hunter Local Government Area.

Proposed amendments to the Project following public exhibition of the EIS and additional design refinements are summarised below.

1. Transport route amendments and upgrade of the intersection of the Golden Highway and Ringwood Road.
2. Upgrades to additional parts of Wollara Road and Ringwood Road.
3. Increased BESS capacity and option of a decentralised BESS and the choice to host both centralised and decentralised BESS units.
4. Minor modifications to the Development Footprint and internal layout including:
  - Removal of travelling stock route (TSR) 4481 from within the Project Area although site access will remain through the TSR with no access upgrades.
  - Relocation and/or removal of solar arrays within the Development Footprint to avoid Regent Honeyeater Habitat, scattered trees and Box Gum Woodland.
  - Increased width of selected internal access roads to accommodate subterranean power cables
5. Construction of an additional transmission tower adjacent the BESS/substation.

As a result of these modifications the Development Footprint is approximately 792 hectares (ha), a reduction of 7 ha from the EIS.

In 2022–2023 OzArk completed the Aboriginal Cultural Heritage Assessment Report (ACHAR) for the Project (OzArk 2023) and the report was included as part of the Project's EIS. This Addendum ACHAR should be read in conjunction with the ACHAR for the EIS (OzArk 2023).

OzArk 2023 included survey and reporting of upgrades to sections of Wollara Road and Ringwood Road, as well as the landforms proposed for the relocated solar arrays and the additional transmission tower. The upgrade to the intersection of the Golden Highway and Ringwood Road was not included in OzArk 2023. This Addendum ACHAR repeats the results of the upgrades to sections of Wollara Road and Ringwood Road to remain consistent with other specialist reports discussing the Amended Project.



The Addendum study area includes the intersection of the Golden Highway with Ringwood Road, located approximately seven kilometres from Merriwa and the current road corridor along Ringwood Road and Wollara Road, connecting the Project area with the Golden Highway. The Addendum study area also includes landforms proposed for the realigned Development Footprint, the relocated solar arrays, and the additional transmission tower that are located within the previously assessed Development Footprint.

Survey of the Wollara Road and Ringwood Road portions of the Addendum study area, as well as the landforms proposed for the realigned Development Footprint, the relocated solar arrays, and the additional transmission tower, took place with the assistance of representatives from Registered Aboriginal Parties (RAPs) in August 2022.

Assessment of the intersection of the Golden Highway with Ringwood Road has been completed at a desktop level using knowledge gained from the survey of identical and contiguous landforms as part of the survey of Ringwood Road, as well as photographs and information provided by ecologists working for the Project who inspected the intersection study area on foot.

The survey of the Development Footprint during 2022 recorded 11 previously unidentified sites consisting of a grinding groove site, four artefact scatters, and six isolated finds.

Within the Addendum study area, a grinding groove site, 37-1-1033 (Killoe Creek GG1), was recorded in 2022. The grinding groove site was recorded approximately 50 metres (m) east of the Killoe Creek crossing, therefore outside the impact area of the Amended Project. It has limited scientific research potential and the significance of the grooves primarily relates to their educational and aesthetic values based on their association with Killoe Creek.

The survey in 2022 identified eight Aboriginal sites within the Development Footprint (OzArk 2023). The Amended Project has realigned the Development Footprint and is able to avoid 37-1-1027 (Redlynch Creek IF1) and this site will no longer be harmed by the Amended Project. This changes Recommendations 2 and 3 in the ACHAR to read:

ACHAR Recommendation 2 now reads: 37-1-1027 (Redlynch Creek IF1), 37-1-1032 (Ringwood Gully IF6), 37-1-1033 (Killoe Creek GG1), and 37-1-1037 (Rocky Creek Gully OS4) will not be harmed by the Project as they are located the Development Footprint.

ACHAR Recommendation 3 now reads: Seven Aboriginal sites, 37-1-1028 (Rocky Creek Slope IF2), 37-1-1029 (Wollara Road IF3), 37-1-1030 (Monaghans Creek IF4), 37-1-1031 (Rocky Creek Gully IF5), 37-1-1034 (Redlynch Creek OS2), 37-1-1035 (Redlynch Creek OS1), and 37-1-1036 (Redlynch Creek OS3) will be salvaged by a surface collection of visible artefacts. The recommended methodology for the salvage will be set out in the Aboriginal Cultural Heritage Management Plan (ACHMP) and will include the measures outlined in Section 9.2.1 of the ACHAR.

The additional recommendations concerning Aboriginal cultural values associated with the Amended Project build upon those provided in OzArk 2023:

1. 37-1-1027 (Redlynch Creek IF1) and 37-1-1033 (Killoe Creek GG1) will not be harmed by the Amended Project as they are located outside the Development Footprint. The location of these sites must be shown on all applicable Project plans to ensure that they are not inadvertently harmed.
2. Further recording and investigation of the grinding groove site (Killoe Creek GG1) prior to construction activities will be conducted. The methodology of this investigation will be set out in the ACHMP that will be developed following Project approval but will include detailed mapping and photography of the site by a suitably qualified archaeologist.
3. All land-disturbing activities must be confined to within the Development Footprint. Should the parameters of the proposed work extend beyond this, then further archaeological assessment will be required.

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# 1 INTRODUCTION

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OzArk Environment & Heritage (OzArk) has been engaged by Umwelt (Australia) Pty Ltd on behalf of Lightsource Development Services Australia Pty Ltd (Lightsource bp) (the proponent) to complete an Addendum Aboriginal Cultural Heritage Assessment Report for proposed amendments associated with the Goulburn River Solar Farm (SSD-33951458) (the Project) (the Amended Project). The Amended Project is in the Upper Hunter Local Government Area (LGA).

This assessment has been completed as an addendum to the *Aboriginal Cultural Heritage Assessment Report – Goulburn River Solar Farm* (ACHAR, OzArk 2023) which reports on the results of the Aboriginal cultural heritage assessment completed for the Project in August 2022. Following the finalisation of the ACHAR, the report was included in the Environmental Impact Statement (EIS) for the Project and placed on public exhibition from Tuesday 13 June 2023 until Monday 10 July 2023.

## 1.1 BACKGROUND

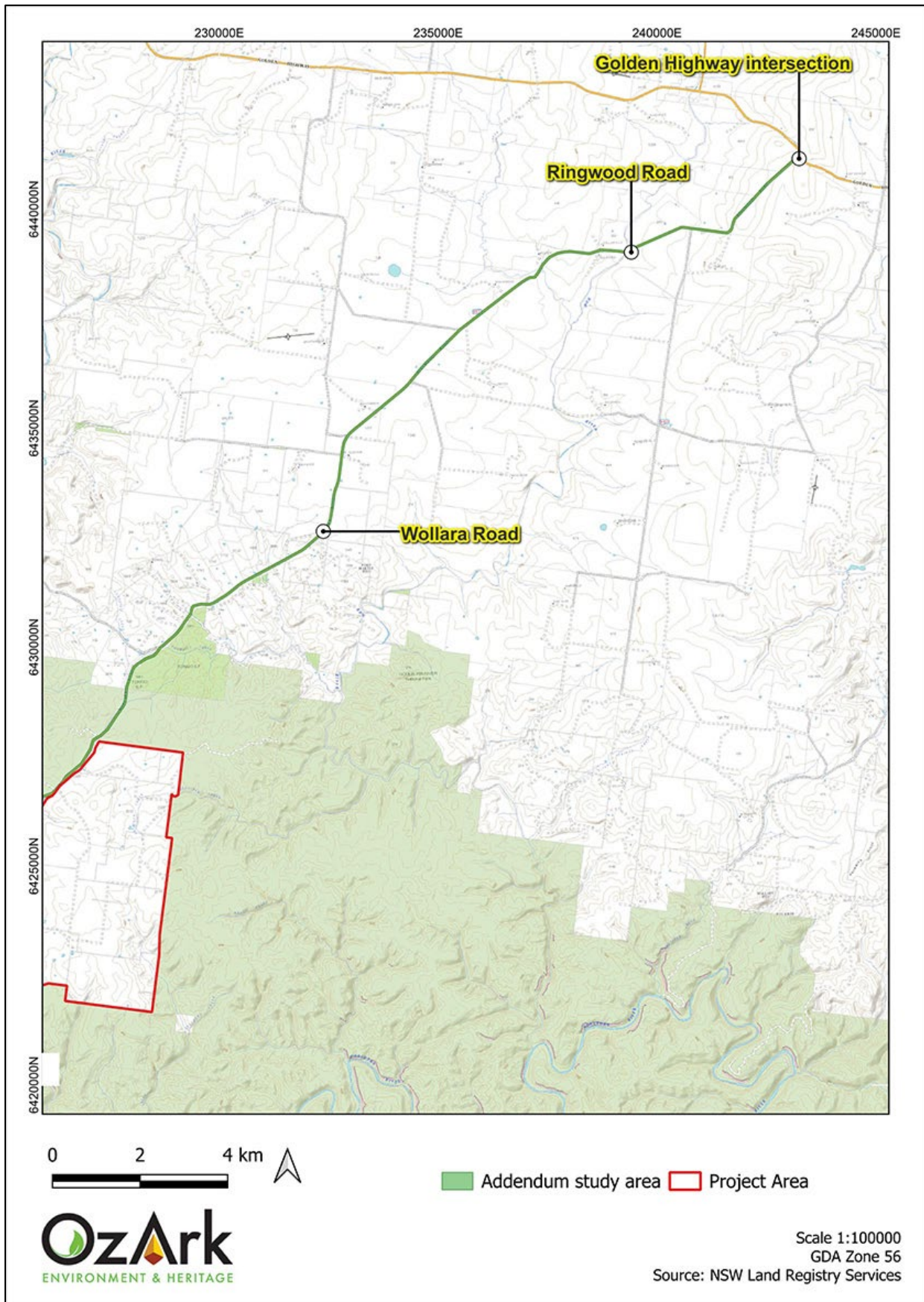
The ACHAR prepared by OzArk in 2023 formed part of the EIS prepared by Umwelt to accompany an application for development consent for the Goulburn River Solar Farm under Division 4.7 of Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

Assessment of the Amended Project follows the *Secretary's Environmental Assessment Requirements* (SEARs) that were issued for the Project on 1 February 2022. The SEARs indicate that assessment must follow the *Code of Practice for the Investigation of Aboriginal Objects in New South Wales* (the Code of Practice; DECCW 2010a) and the *Aboriginal cultural heritage consultation requirements for proponents* (the ACHCRs; DECCW 2010b).

## 1.2 ADDENDUM STUDY AREA

The Addendum study area comprises the intersection of the Golden Highway with Ringwood Road, located approximately 7 km from Merriwa and the current road corridor and shoulders along Ringwood Road and Wollara Road, connecting the Project Area with the Golden Highway (**Figure 1-1**). The road corridor crosses two named waterways, the Bow River and Killoe Creek and several smaller ephemeral creeks. The Addendum study area is situated on mostly cleared, flat to gently undulating slopes.

Figure 1-1: Map showing the location of the Addendum study area.



### 1.3 REFERENCE TO OZARK 2023

OzArk 2023 provides the legislative and archaeological context for the Addendum study area and should be referred to for further information on these subjects.

OzArk 2023 also includes the results of the survey of the Development Footprint that includes the amendments for the BESS design amendments, the realignment of the Development Footprint, the relocation of solar arrays, the increased width of internal access roads, and the installation of a transmission tower and should be referred to for survey data.

OzArk 2023 also documents the survey of Ringwood and Wollar Roads (but not the intersection with the Golden Highway). This data is repeated in this Addendum ACHAR as it applies to the Addendum study area.

### 1.4 DESCRIPTION OF THE AMENDED PROJECT

Proposed amendments to the Project following public exhibition of the EIS and additional design refinements are summarised below.

1. Transport route amendments and upgrade of the intersection of the Golden Highway and Ringwood Road.
2. Upgrades to additional parts of Wollara Road and Ringwood Road.
3. Increased BESS capacity and option of a decentralised BESS and the choice to host both centralised and decentralised BESS units.
4. Minor modifications to the Development Footprint and internal layout including:
  - Removal of travelling stock route (TSR) 4481 from within the Project Area although site access will remain through the TSR with no access upgrades.
  - Relocation and/or removal of solar arrays within the Development Footprint to avoid Regent Honeyeater Habitat, scattered trees and Box Gum Woodland.
  - Increased width of selected internal access roads to accommodate subterranean power cables
5. Construction of an additional transmission tower adjacent the BESS/substation.

As a result of these modifications the Development Footprint is approximately 792 hectares (ha), a reduction of approximately 7 ha from the EIS.

In terms of Aboriginal cultural heritage, these amendments did not require additional field survey. The reasons for this are set out below.

- Upgrades to the intersection of the Golden Highway and Ringwood Road (Amendment 1) include additional areas that were not previously surveyed. Assessment of the intersection of the Golden Highway with Ringwood Road was able to be completed at a desktop level using knowledge gained from the survey of identical and contiguous landforms as part of the previous survey of Ringwood Road (August 2022), as well as photographs and information provided by Umwelt ecologists who inspected the intersection study area on

foot. Previous survey effort comprised the relevant landforms and as such, no further field survey was required or undertaken.

- Upgrades to Wollara and Ringwood Road (Amendment 2) include areas that were part of the original survey completed by OzArk in August 2022 (termed the Access Route). The August 2022 survey included the road corridor of Ringwood and Wollara Roads from the Golden Highway to the Development Footprint (**Figure 1-1**). This survey included the waterway crossings associated with the Bow River and Killoe Creek, as well as several unnamed waterway crossings. In addition, several spot checks were undertaken in landforms along the road corridor that are more distant to waterways. Previous survey effort covers this amendment and as such, no further field survey was required or undertaken.
- Amendments 3 to 5 are located within the Development Footprint that was fully assessed by pedestrian survey during August 2022. As no unsurveyed landforms are impacted by these amendments, no further survey was required or undertaken.

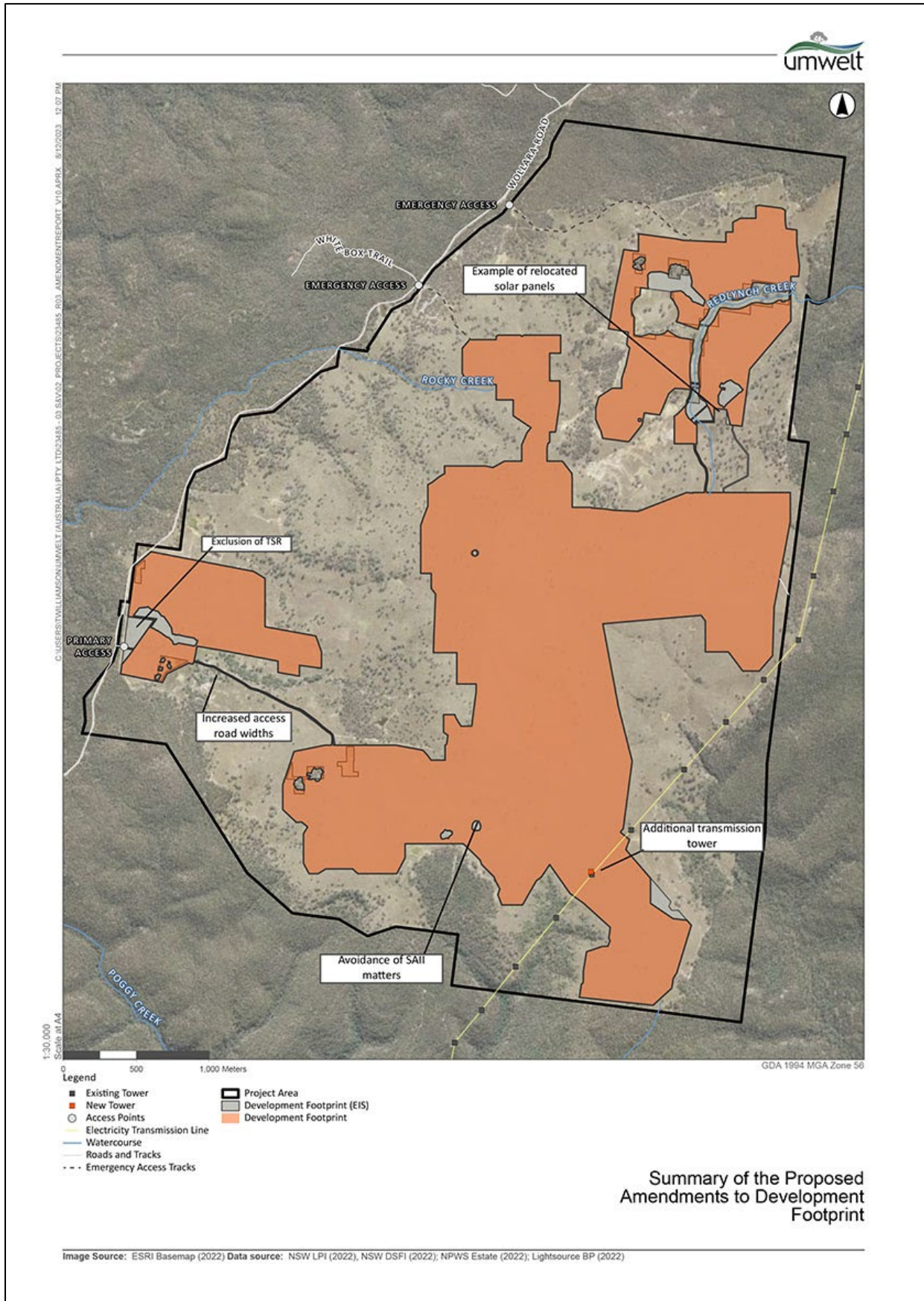
OzArk assessed the Access Route from the Golden Highway to the Development Footprint, as well as the Development Footprint itself in the ACHAR (OzArk 2023).

The Addendum ACHAR specifically addresses the amendments to the Project, but the survey results will remain unchanged. Recommendations contained in the ACHAR have been altered to account for the fact that the realigned Development Footprint and is able to avoid 37-1-1027 (Redlynch Creek IF1) and this site will no longer be harmed by the Amended Project. In addition, a new recommendation is made based on the Heritage NSW submission on the ACHAR made during the consultation period that further recording and investigation by a suitably qualified archaeologist of the grinding groove site 37-1-1033 (Killoe Creek GG1) takes place prior to construction activities.

Details of each of the key changes associated with the Amended Project are described below and a summary of the amendments are shown on **Figure 1-2**.



Figure 1-2: Summary of proposed amendments.

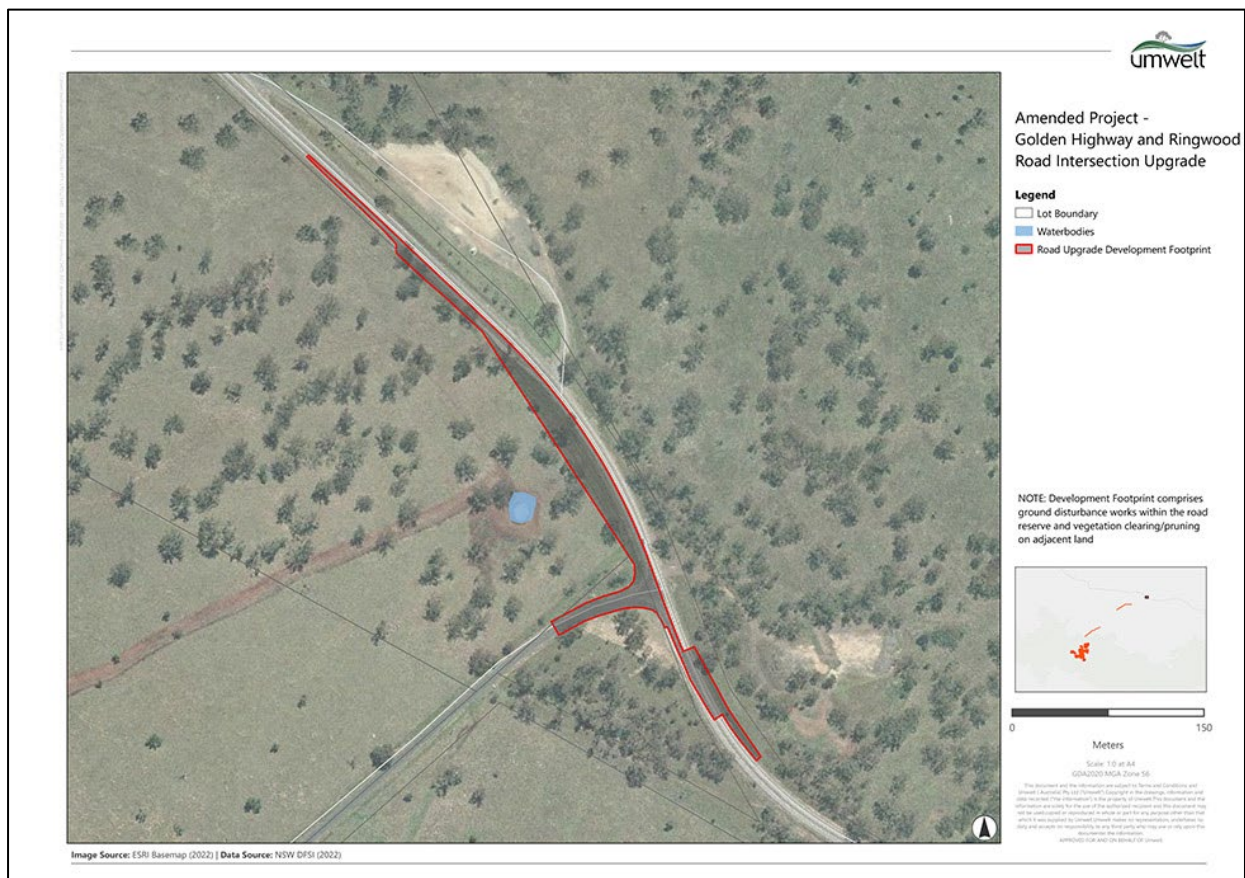


### 1.4.1 Golden Highway and Ringwood Road intersection upgrade

The proponent proposes an upgrade to the intersection of the Golden Highway and Ringwood Road in line with Austroads Safe Intersection Site Distance (SISD) standards. These upgrades would include (**Figure 1-3**):

- Pruning and removal of vegetation and select trees on the western side of the intersection on Lot 1 DP34496. Currently estimated at six established trees
- The construction of a 325 m acceleration/merge lane to allow vehicles to safely turn left onto the Golden Highway from Ringwood Road (Lot 1 DP34496)
- Realignment of the existing low voltage power line to provide clearance to the acceleration lane (if required and subject to detailed design)
- Extension of the existing Golden Highway westbound and Ringwood Road left-in deceleration lane taper to 30 m and widening of the intersection
- Pruning of vegetation on the eastern side of the intersection wholly within the road reserve
- Formalisation of the informal bus stop on Ringwood Road at the intersection with Golden Highway (Lot 7303 / DP 1146691).

**Figure 1-3: Indicative Golden Highway and Ringwood Road intersection upgrade.**



### 1.4.2 Wollara and Ringwood Roads upgrades

The proponent is proposing additional road upgrades as community benefits under the Voluntary Planning Agreement with the Upper Hunter Shire Council. These works would also facilitate further improvements to enable the safe movement of heavy vehicles associated with the Project.

The proposed upgrades include:

- Realignment, widening and sealing an additional 1.6 km section of Ringwood Road between Killoe Creek and Binks Road
- Realignment, widening and sealing a 4.7 km unpaved section of Wollara Road between the Goulburn River National Park boundary and 1621 Wollara Road. No upgrades are proposed in the portion of Wollara Road within the Goulburn River National Park.

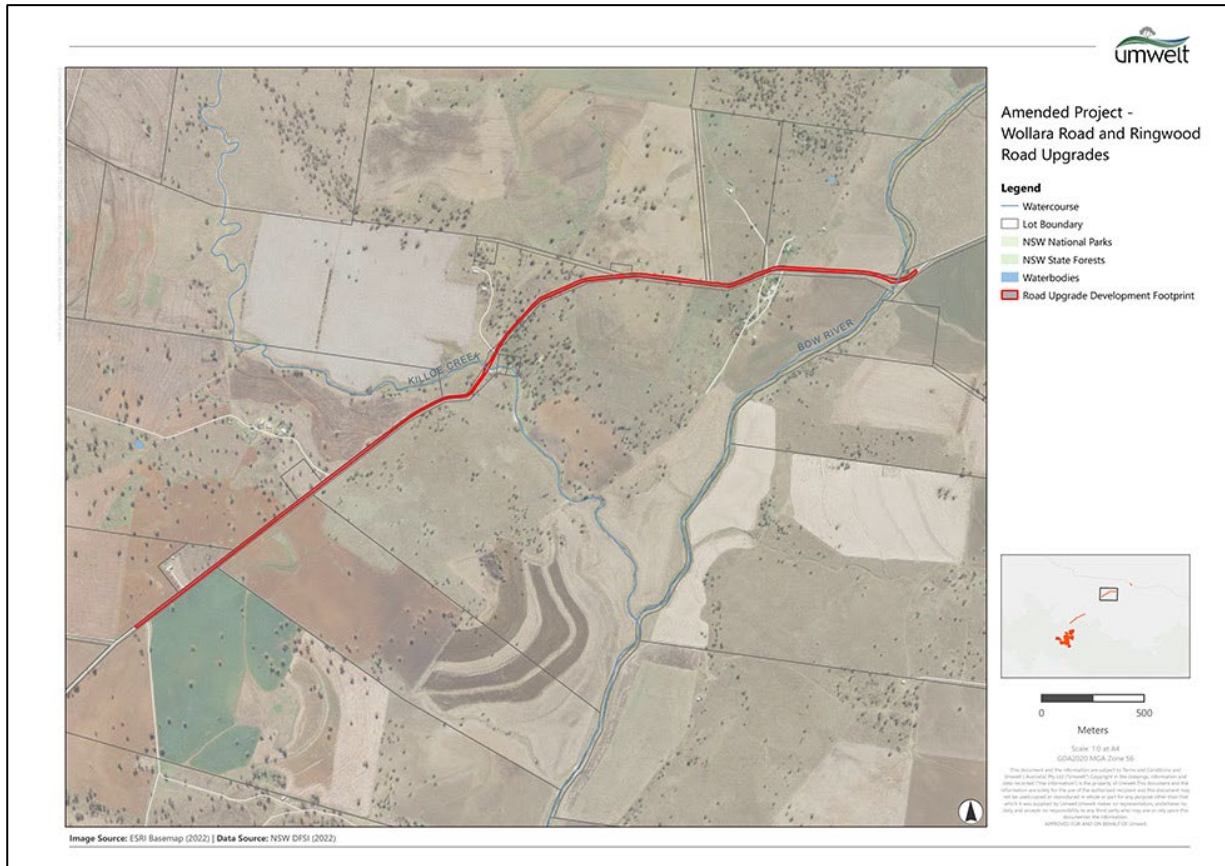
The proposed road upgrades are shown on **Figure 1-4** and **Figure 1-5**.

The existing condition of these roads comprise:

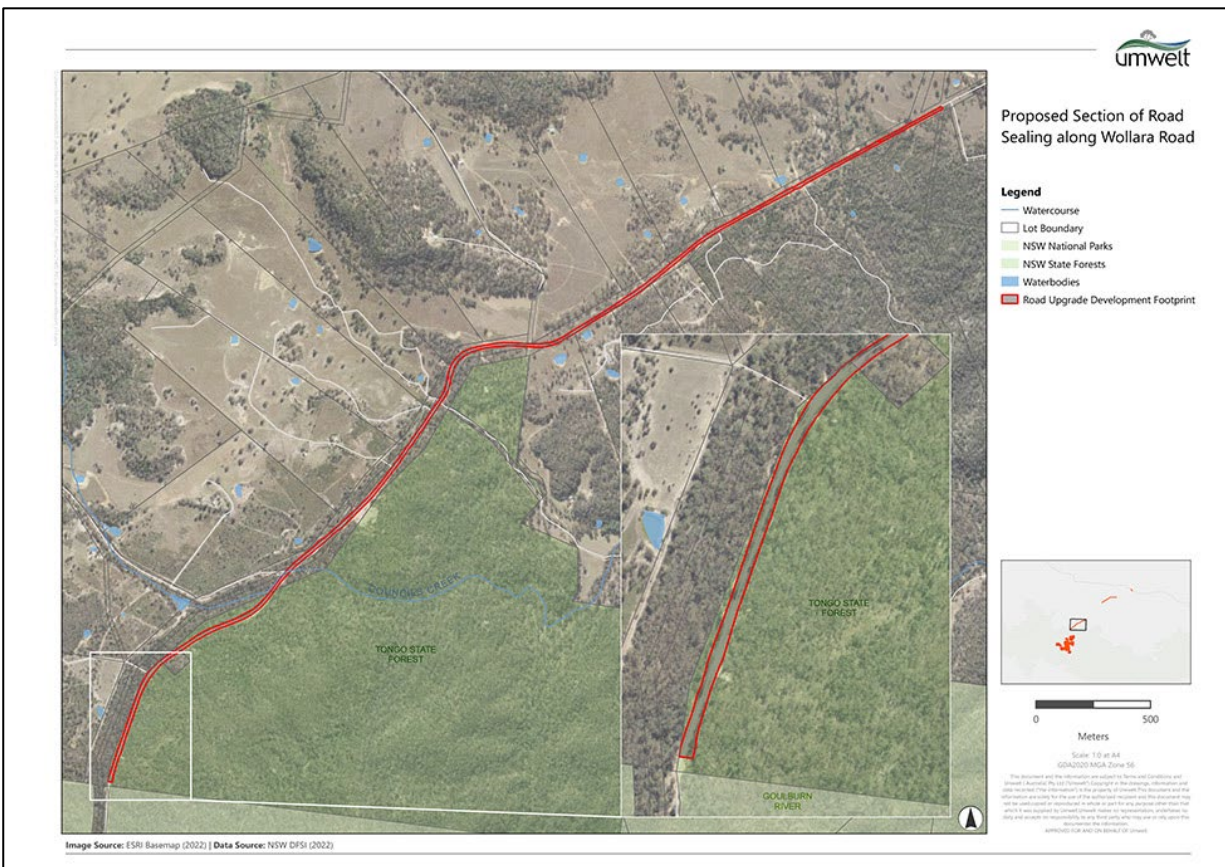
- Ringwood Road – a local road that is sealed and generally flat with low vertical grades and varying road width and a maximum road width of approximately 5 m along the alignment
- Wollara Road – a local road that comprises a combination of sealed and unsealed sections north of the site and unsealed sections south of the site. The road width varies along the length of the road.

These upgrades will include 8 m bitumen-sealed formation with a minimum of 500 millimetre (mm) unsealed shoulders. The horizontal and vertical alignment of the proposed road will ensure safe sight distance and an improved road network for the users.

**Figure 1-4: Proposed additional upgrade works along Wollara and Ringwood Roads.**



**Figure 1-5: Proposed section of road sealing along Wollara Road.**



### 1.4.3 BESS design amendments

The proponent is proposing to amend the centralised BESS design as documented in the EIS to allow for increased capacity. The capacity of the centralised BESS is proposed to increase to 450MWp / 900MWh from 280MWp / 570MWh (as per the Project EIS) to allow for greater energy storage capacity, required to safely and cost effectively decarbonise Australia's energy network.

The proponent is also seeking to amend the Project EIS to include the option of a decentralised BESS, to allow for greater flexibility in the design of the final BESS facility. The decentralised BESS option involves 560 individual 6.1 m battery containers and DC-DC converters, and associated infrastructure being situated next to the photovoltaic (PV) inverter stations located throughout the solar arrays, rather than in a centralised location as proposed in the EIS.

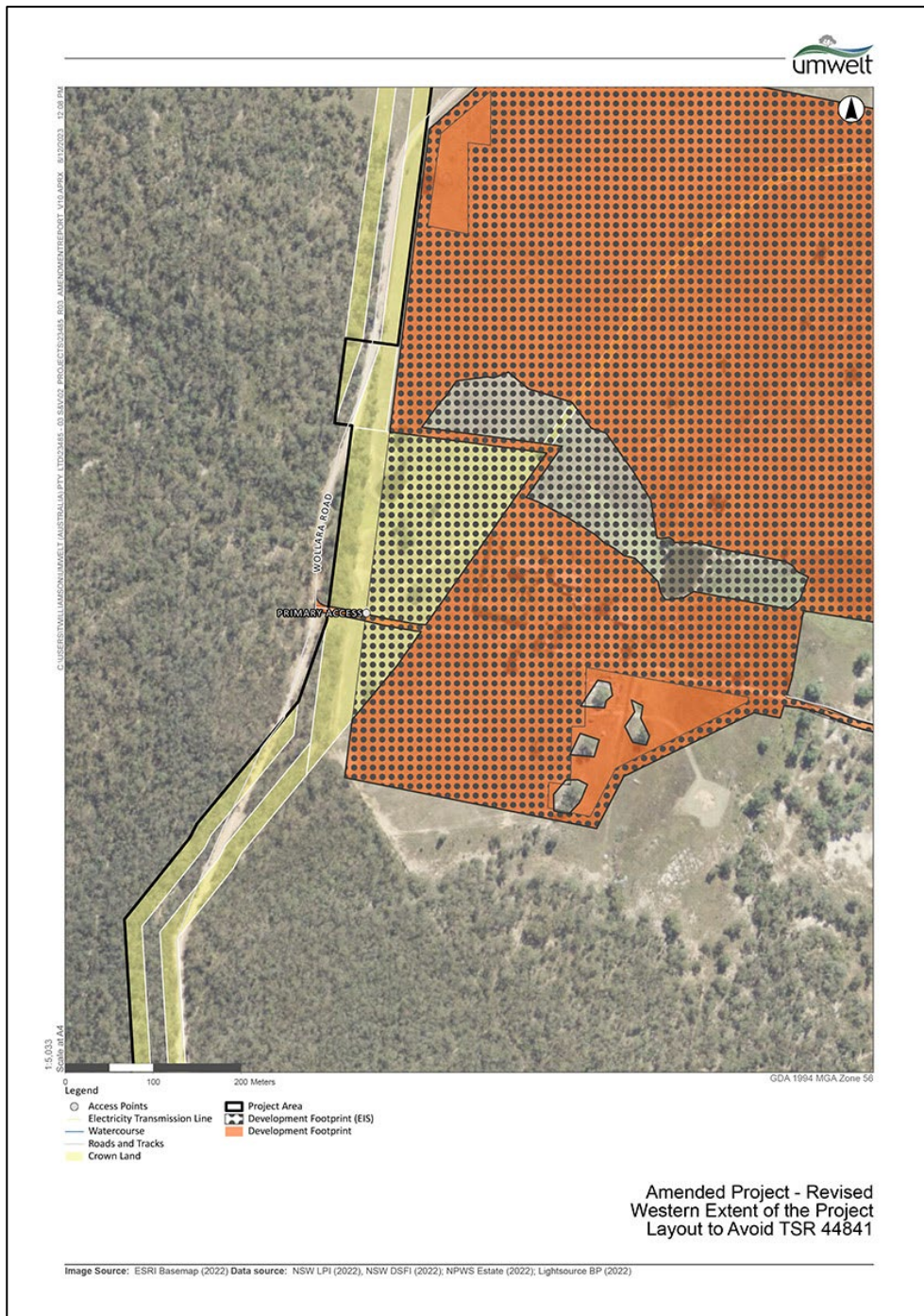
All infrastructure is proposed to reside entirely within the existing Project Area and the Development Footprint as assessed under the EIS. As this amendment does not include land that was not surveyed for the ACHAR (OzArk 2023), it is not discussed further in this Addendum ACHAR.

### 1.4.4 Development Footprint Realignment

Following further consultation with the Department of Planning and Environment (DPE) and Crown Lands following public exhibition of the Project EIS, a minor realignment of the Development Footprint is proposed to avoid overlapping with the Traveling Stock Reserve (TSR) 44841. The western extent of the Development Footprint is now proposed to extend towards the east and will avoid TSR 44841 (**Figure 1-6**).

This realignment involves a reduction of the Development Footprint and is wholly within land surveyed as part of OzArk 2023 for the EIS.

**Figure 1-6: Aerial showing the realignment of the southwest of the Development Footprint.**



### 1.4.5 Relocated solar panels

Following consultation with NSW Biodiversity and Conservation Division (BCD) during the Response to Submissions phase, additional areas of solar panels throughout the Development Footprint are proposed to be relocated to previously unused areas within the Project Area or removed, to increase avoidance of Plant Community Types and threatened species habitat and particularly, on Serious and Irreversible Impacts (SAII) entities.

As this amendment is wholly within land surveyed as part of the ACHAR (OzArk 2023), additional survey was not required.

Because of the realignment of the Development Footprint, 37-1-1027 (Redlynch Creek IF1) will no longer be harmed by the Amended Project (**Figure 1-7**).

As a result, a total of four recorded sites will now not be harmed by the Amended Project as they are located outside the Development Footprint: 37-1-1027 (Redlynch Creek IF1), 37-1-1032 (Ringwood Gully IF6), 37-1-1033 (Killoe Creek GG1), and 37-1-1037 (Rocky Creek Gully OS4).

Seven Aboriginal sites, 37-1-1028 (Rocky Creek Slope IF2), 37-1-1029 (Wollara Road IF3), 37-1-1030 (Monaghans Creek IF4), 37-1-1031 (Rocky Creek Gully IF5), 37-1-1034 (Redlynch Creek OS2), 37-1-1035 (Redlynch Creek OS1), and 37-1-1036 (Redlynch Creek OS3) will be harmed by the Amended Project and will be appropriately managed.

#### **1.4.6 Increased width of selected internal access roads**

An increase in the width of the internal access road corridors is also proposed to accommodate the revised design of the internal reticulation work. It is now proposed that subterranean transmission corridors would be used as part of the internal reticulation network, which are proposed to travel adjacent to the internal access roads, in turn increasing the width of the internal access road corridors.

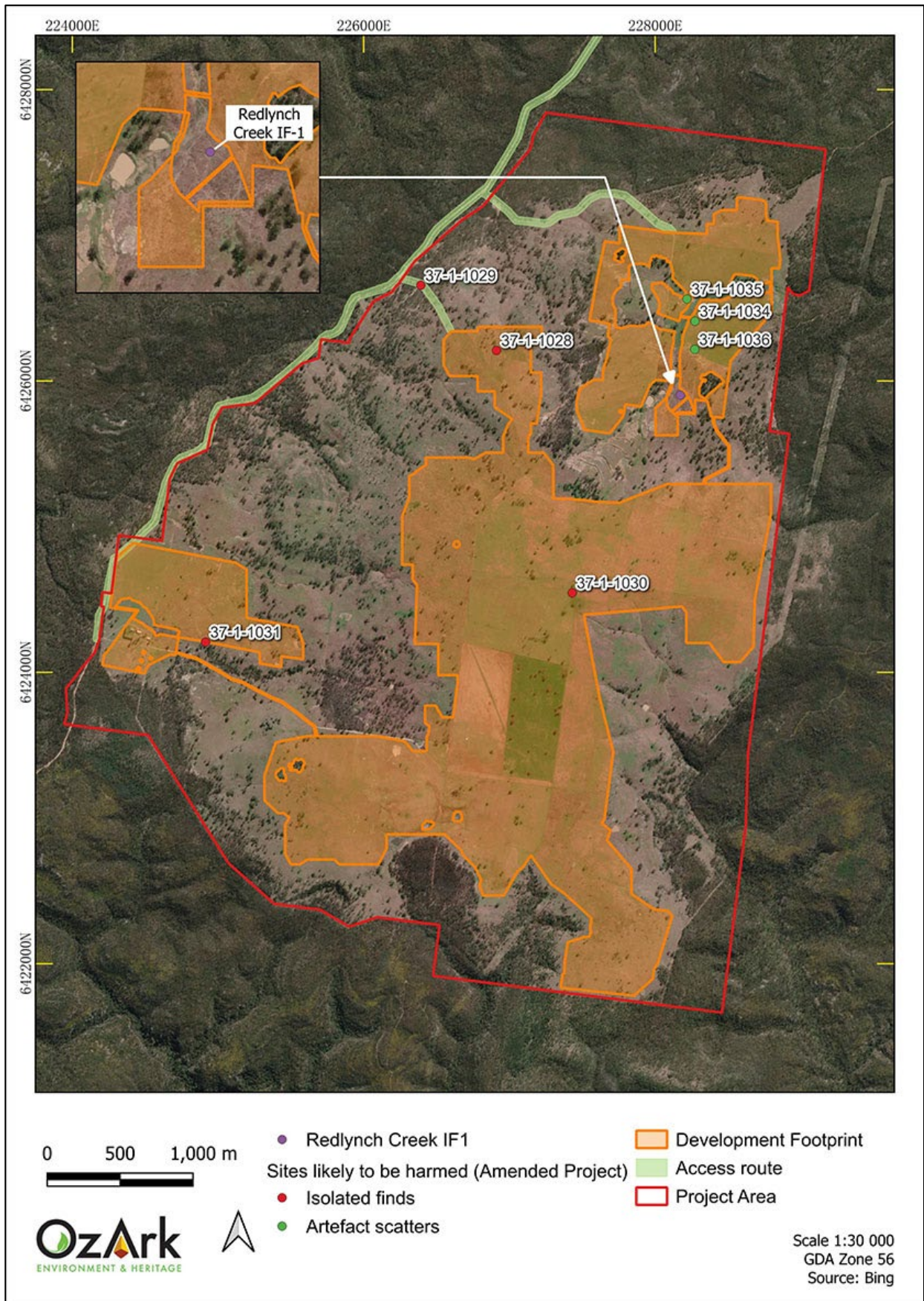
As this amendment only includes land that was surveyed for the ACHAR (OzArk 2023), and does not result in additional impacts, it is not discussed further in this Addendum ACHAR.

#### **1.4.7 Additional transmission tower**

An additional transmission tower may be required on the current transmission line near the proposed substation to accommodate the connection of the Project to the national electricity market. Further consultation undertaken with Transgrid during exhibition of the Project EIS has determined that the additional tower would now form part of the Project.

The transmission tower is proposed to be located within land that was surveyed for the ACHAR (OzArk 2023) and does not result in additional impacts, it is not discussed further in this Addendum ACHAR.

Figure 1-7: Recorded sites in relation to the realigned Development Footprint.





## **2 ABORIGINAL COMMUNITY CONSULTATION**

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The Aboriginal cultural heritage assessment of the Goulburn River Solar Farm has followed the ACHCRs (DECCW 2010b). The consultation log, copies of correspondence with Aboriginal community stakeholders and its results are presented in Section 3 of the ACHAR (OzArk 2023). Further consultation undertaken for the finalisation of OzArk 2023 is shown in **Appendix 1 Figure 1**.

An update letter was sent to all RAPs on 29 August 2023 summarising the status of the Project and providing notification that further assessment for an Addendum study area would be undertaken. The update letter is included as **Appendix 1 Figure 2**.

### **2.1 CULTURAL VALUES IDENTIFIED THROUGHOUT THE ACHCR PROCESS**

No specific cultural values were identified by the RAPs regarding the Addendum study area, however, the strong cultural values of Aboriginal communities towards landscapes and cultural heritage sites are recognised.

### 3 LANDSCAPE CONTEXT

An understanding of the environmental context of a study area is requisite in any Aboriginal archaeological investigation (DECCW 2010). It is a particularly important consideration in the development and implementation of survey strategies for the detection of archaeological sites. In addition, natural geomorphic processes of erosion and/or deposition, as well as human-activated landscape processes, influence the degree to which the remains of material culture are retained in the landscape as archaeological sites; and the degree to which they are preserved, revealed and/or conserved in present environmental settings.

#### 3.1 TOPOGRAPHY AND HYDROLOGY

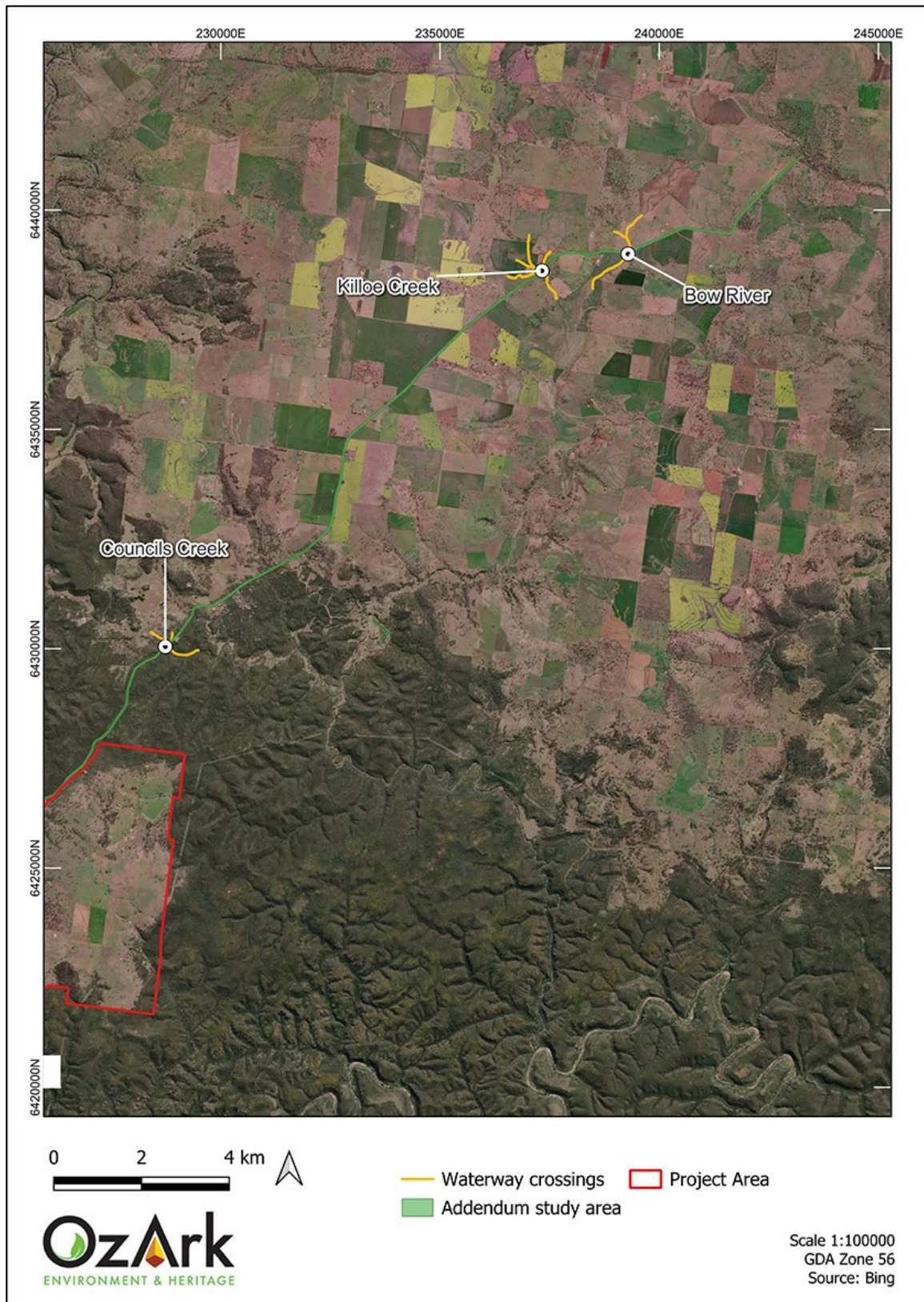
The topography of the Addendum study area is generally flat, cleared agricultural land and road reserves with some moderate gradient undulating hills (**Figure 3-1**).

**Figure 3-1: Topography of the Addendum study area.**



The waterways of Bow River (approximately 4.5 km from the Golden Highway intersection), Killoe Creek (approximately 6.5 km from the Golden Highway intersection) and Councils Creek (approximately 17.5 km from the Golden Highway intersection), traverse the road corridor of the Addendum study area (**Figure 3-2**).

**Figure 3-2: Hydrology of Addendum study area.**



## 3.2 GEOLOGY AND SOILS

The Addendum study area is located within the Brigalow Belt South Bioregion. The geology and geomorphology of the region is layered sedimentary rock that has weathered to produce a dissected landscape consisting of gently sloping foothills that grade into sandstone escarpments and ridge tops surrounding the lower-lying river flats of the permanently flowing Goulburn and Munmurra Rivers (Cumberland Ecology 2013).

## 3.3 VEGETATION

The Addendum study area supports exotic and native vegetation; however, this has been heavily disturbed due to agricultural activity and road construction. Ringwood and Wollara Roads are mostly bordered by open agricultural fields with few remaining native trees. The roadside vegetation becomes denser in the southwestern portion of the Addendum study area, towards the boundary with Tongo State Forest.

Prior to agricultural land clearing the Addendum study area would have supported a woodland of rough-barked apple (*Angophora floribunda*), Blakely's red gum (*Eucalyptus blakelyi*), narrow-leaved red ironbark (*Eucalyptus crebra*), grey box (*Eucalyptus microcarpa*), Yellow box (*Eucalyptus melliodora*), white box (*Eucalyptus albens*) and blackbutt (*Eucalyptus pilularis*). Sandstone gullies included narrow-leaved stringybark (*Eucalyptus sparsifolia*), broad-leaved ironbark (*Eucalyptus fibrosa* ssp. *fibrosa*), currawang (*Acacia doratoxylon*), forest phebalium (*Phebalium ambiens*), Australian boxthorn (*Bursaria spinosa*), hopbush (*Dodonaea* sp.), and River oak (*Casuarina cunninghamiana*). In the creeks on northern aspects Belah (*Casuarina cristata*) was also likely to be present with fern understorey along creek lines at the eastern end of the range (Kovac and Lawrie 1991 and Mitchell 2002).

## 3.4 LAND USE HISTORY AND EXISTING LEVELS OF DISTURBANCE

The Addendum study area consists of road corridors through grazing land, most of which has been subjected to extensive vegetation clearing.

## 3.5 CONCLUSION

The review of the environmental factors associated with the Addendum study area allows the following conclusions to be drawn in terms of past Aboriginal occupation:

- **Topography and hydrology:** The flat to gently undulating landforms which dominate the Addendum study area would have been hospitable to Aboriginal people. The semi-permanent watercourses would have provided limited freshwater and subsistence requirements to support occupation of the area, however this occupation was probably short-term or sporadic.
- **Geology and soils:** The predominate geology of the Addendum study area is sandstone, which was frequently used as a surface for sharpening axes when in close association

with water. Thus, areas with outcropping sandstone could contain evidence of past Aboriginal activity. The fertile soils of the region would have supported various resources that attracted the traditional Aboriginal people to the area. However, colonial use of the fertile soil has resulted in long-term impacts to the environment, including the clearing of vegetation to provide open spaces for intensive grazing. These impacts could have removed certain site types (such as culturally modified trees) or the disturbed artefact sites through soil loss, ploughing, and stock trampling. Gully and sheetwash erosion, particularly along the drainage and gully landforms, indicate preservation of artefacts in their original depositional context is unlikely.

- Vegetation: The Addendum study area would have once supported an open woodland which would have provided some resources for Aboriginal subsistence in the past and the evidence suggests that this was a managed landscape, possibly to use the plateau as a hunting ground. These vegetation types had several utilitarian, medicinal, and subsistence uses. Wood from Eucalypts were used for dish and bowl manufacture, bark used to make shelters and canoes, oil to sooth colds, aches, and fevers and as a general antiseptic and honey, nectar, and manna from some species for food (Stewart & Percival 1997). However, resources likely to have supported a large population of people would have been present closer to the banks of more permanent water sources including the Bow and Goulburn Rivers. The broad-scale vegetation clearance which has taken place across the Addendum study area for agricultural purposes and road construction reduces the likelihood that any culturally modified trees remain present, however, should mature native vegetation remain, particularly along the ephemeral drainages, culturally modified trees may be present.
- Land use: Activities such as vegetation clearance, grazing, and cultivation are the dominant types of disturbance to have taken place across the Addendum study area. These activities are likely to have displaced Aboriginal objects or sites or removed them entirely i.e. modified trees. Further, cultivation reduces the potential for intact subsurface archaeological material to remain. In areas where farming and agriculture is less intensive, Aboriginal objects are likely to be in a secondary context due to slope wash.

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## 4 ARCHAEOLOGICAL CONTEXT

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### 4.1 DESKTOP DATABASE SEARCHES CONDUCTED

The Aboriginal Heritage Information Management System (AHIMS) was searched on 1 June 2022 for OzArk 2023. As this search is over 12 months old, an additional search was conducted for the Addendum study area on 16 October 2023 covering the same coordinates as the 2022 search. The search results are shown in **Appendix 2**.

The results of the search are displayed on **Figure 4-1**. The 2022 AHIMS search returned 106 entries whereas the 2023 search includes 117 entries. This is explained by the fact that the 2023 search includes the 11 sites recorded in the 2022 survey for the Project (37-1-1033 [Killoe Creek GG1], 37-1-1035 [Redlynch Creek OS1], 37-1-1034 [Redlynch Creek OS2], 37-1-1036 [Redlynch Creek OS3], 37-1-1037 [Rocky Creek Gully OS4], 37-1-1027 [Redlynch Creek IF1], 37-1-1028 [Rocky Creek Slope IF2], 37-1-1029 [Wollara Road IF3], 37-1-1030 [Monaghans Creek IF4], 37-1-1031 [Rocky Creek Gully IF5], and 37-1-1032 [Ringwood Gully IF6]). Other than these 11 sites, no new sites have been registered in the AHIMS search area and no new sites have been recorded within or near the Project area that are not discussed in OzArk 2023.

It is noted that the Addendum study area includes land currently subject to a Native Title claim (NC2011/006, NSD37/2019, Gomeroi People) (**Figure 4-2**).

### 4.2 REGIONAL AND LOCAL CONTEXT: CONCLUSION

A review of the studies conducted in the broader region of the Addendum study area is presented in OzArk 2023. The results of these investigations provide the following regional synthesis:

- Archaeological sites, even where surface evidence is not present, occur on most landforms
- Site frequency and density are dependent on their location in the landscape. This theme is consistent throughout NSW and is influenced by a range of factors, the most relevant of which is the existing level of disturbance. More specifically, the potential for undisturbed *in situ* deposits remaining in the upper Hunter Valley is generally low
- The highest concentration of Aboriginal sites on the valley floor surrounds creeks and waterways. Sites located away from water sources tend to have a low artefact density and site complexity
- Few scarred trees are recorded reflecting the high degree of tree clearing in the region
- The most frequently recorded raw material is indurated mudstone/tuff (a fine-grained siliceous material) associated with Hunter River gravels. Other frequently recorded materials include locally sourced silcrete, quartz, chert, and volcanic stone.

**Figure 4-1: Location of previously recorded AHIMS sites in relation to the Addendum study area (2023 data).**

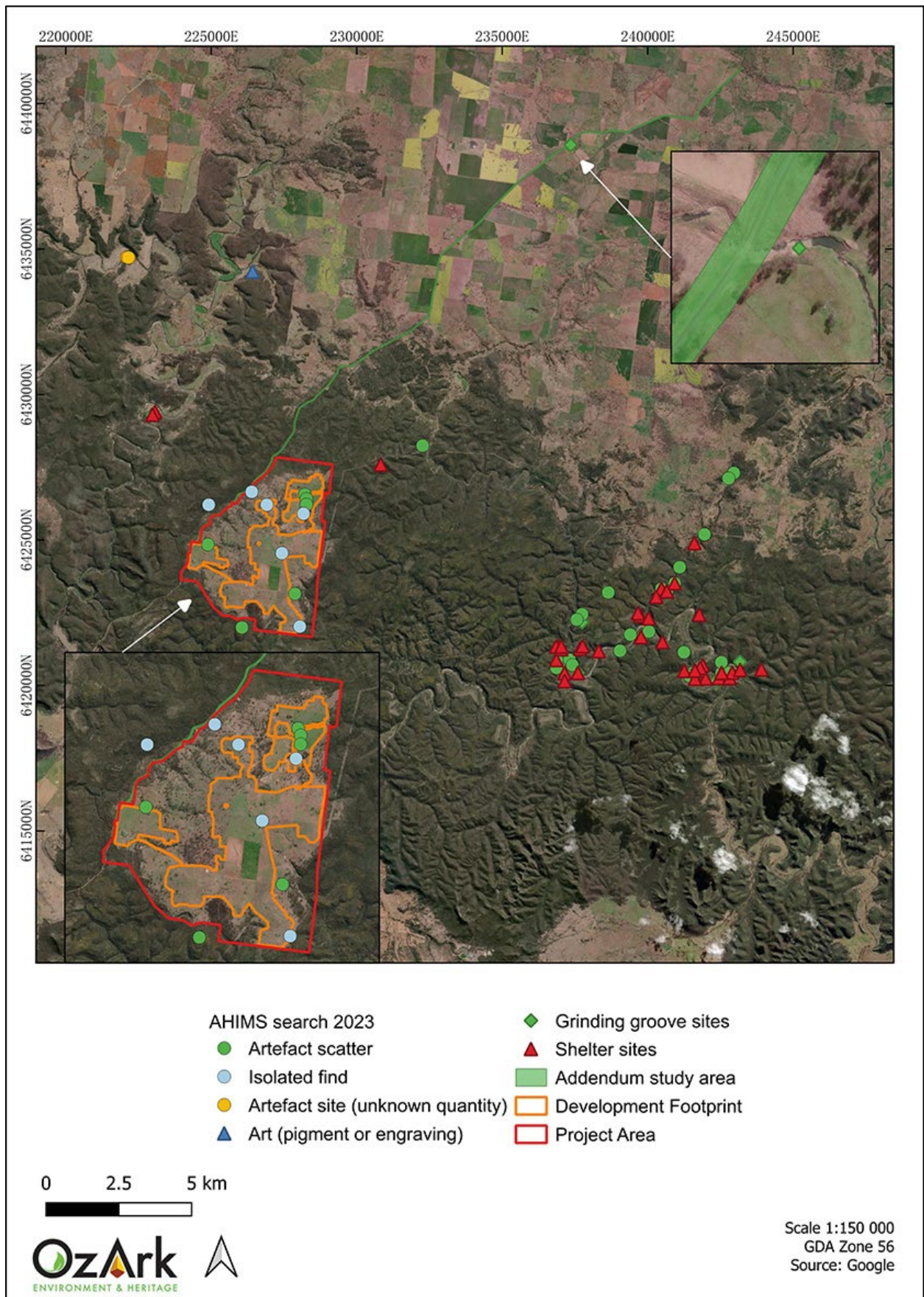
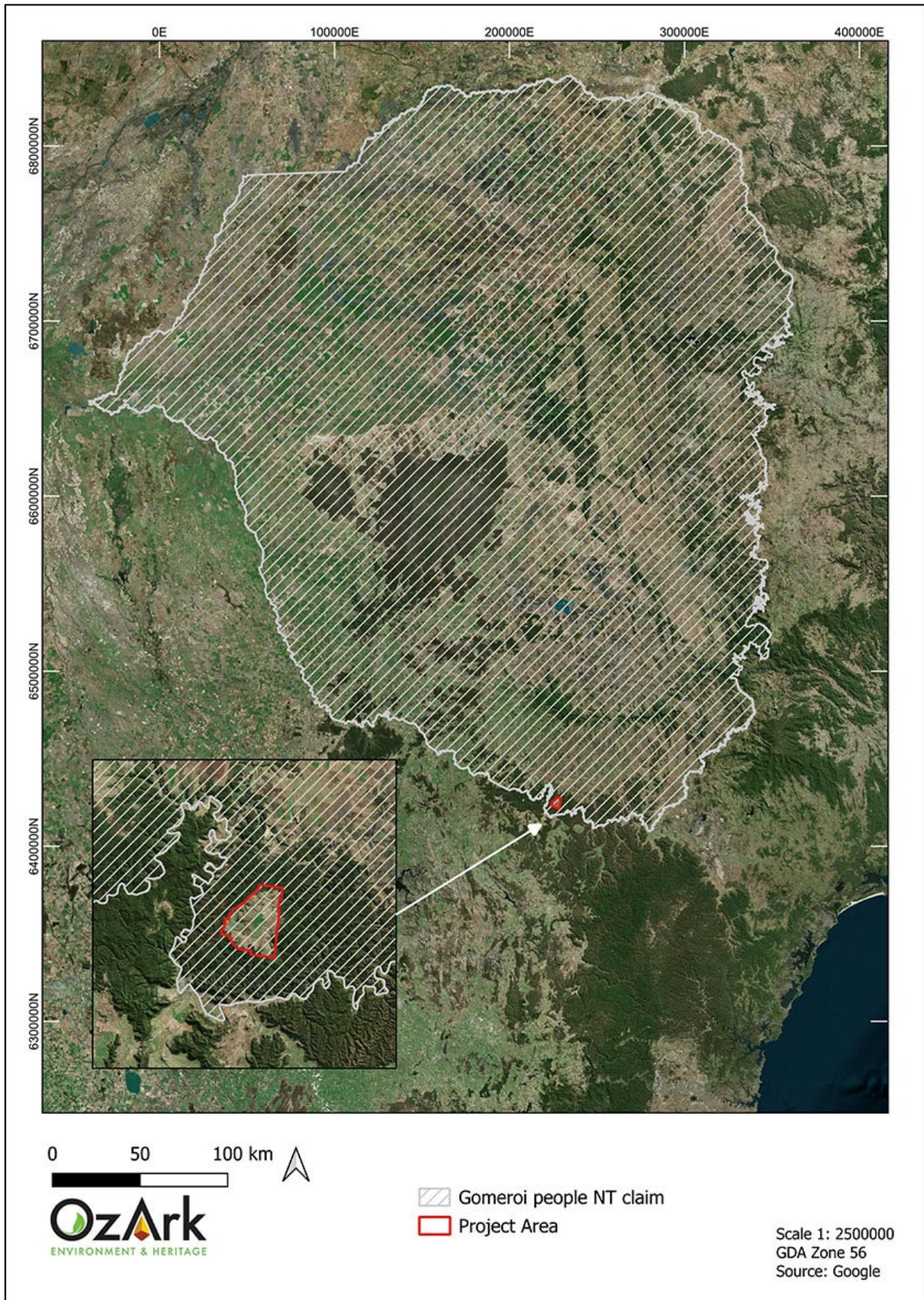


Figure 4-2: The Project Area in relation to Gomerai People Native Title claim (NC2011/006, NSD37/2019).





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## 5 RESULTS OF ABORIGINAL ARCHAEOLOGICAL ASSESSMENT

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### 5.1 SAMPLING STRATEGY AND FIELD METHODS

OzArk 2023 records the survey of the Development Footprint and the Access Route. The Access Route assessment aligns with the Ringwood and Wollara Roads upgrades proposed in the Amended Project. The results of this survey will be repeated here for consistency with other specialist reports for the amendment.

The field survey for OzArk 2023 was undertaken by OzArk over one week from 15 August to 19 August 2022.

The survey strategy in 2022 for Ringwood and Wollar Roads involved sample surveys along the edges of the road corridor within the Addendum study area with care taken to inspect all waterway crossings.

The intersection of Ringwood Road and the Golden Highway was not specifically surveyed in 2022, although identical and contiguous landforms along Ringwood Road were surveyed. Information on the topography and the levels of disturbance at the intersection study area was supplied to OzArk by ecologists who visited the study area. As such, additional field survey was not required or undertaken.

### 5.2 PROPOSAL CONSTRAINTS

As most of the Addendum study area along Ringwood and Wollara Roads has been previously disturbed by road construction including roadside drainage features, survey involved only targeted pedestrian inspection of creek crossings and sections determined to have elevated archaeological potential or minimal evidence of previous disturbances. The remainder of the road corridor was inspected from a vehicle.

### 5.3 INTERSECTION OF RINGWOOD ROAD AND THE GOLDEN HIGHWAY

The impact footprint for the intersection study area was inspected on foot by ecologists who were instructed to note items such as topography and previous disturbances to allow an appraisal of the area's archaeological potential.

The intersection study area is within slopes with a moderate gradient. To the east of the Golden Highway are the remains of a bitumen road, cuttings, and steel bins (**Figure 5-1**). All tree vegetation is immature regrowth.

The sloping terrain and widespread disturbances indicates that Aboriginal sites are unlikely to be recorded within the intersection study area. The lack of mature trees indicates that culturally modified trees will not be present.

The assessment of the intersection study area as having low archaeological potential is supported by the survey results along Ringwood Road that also concluded that landforms in this area have a low archaeological potential.

**Figure 5-1: Views of the intersection study area.**



## 5.4 ABORIGINAL SITES RECORDED

**Table 5-1** summarises the Aboriginal cultural heritage sites recorded during the August 2022 survey.

One site is within the Addendum study area, 37-1-1033 (Killoe Creek GG1), and further details on the site follows.

**Table 5-1: Aboriginal cultural heritage site recorded during the survey.**

AHIMS ID	Site name	Site type	Coordinates (GDA Zone 56) East	Coordinates (GDA Zone 56) North	Within Addendum study area?	Within Development Footprint?
37-1-1033	Killoe Creek GG1	Grinding Grooves	237357	6438576	Yes	No
37-1-1035	Redlynch Creek OS1	Artefact Scatter	228219	6426563	No	Yes
37-1-1034	Redlynch Creek OS2	Artefact Scatter	228274	6426411	No	Yes
37-1-1036	Redlynch Creek OS3	Artefact Scatter	228272	6426217	No	Yes
37-1-1037	Rocky Creek Gully OS4	Artefact Scatter	224888	6424844	No	No
37-1-1027	Redlynch Creek IF1	Isolated Find	228173	6425902	No	No
37-1-1028	Rocky Creek Slope IF2	Isolated Find	226913	6426210	No	Yes
37-1-1029	Wollara Road IF3	Isolated Find	226394	6426654	No	Yes
37-1-1030	Monaghans Creek IF4	Isolated Find	227432	6424546	No	Yes
37-1-1031	Rocky Creek Gully IF5	Isolated Find	224916	6426210	No	Yes
37-1-1032	Ringwood Gully IF6	Isolated Find	228045	6422023	No	No

**37-1-1033 (Killoe Creek GG1)**

**Site type:** Grinding grooves

**GPS coordinates:** GDA 2020 Zone 56 237357 E, 6438576 N

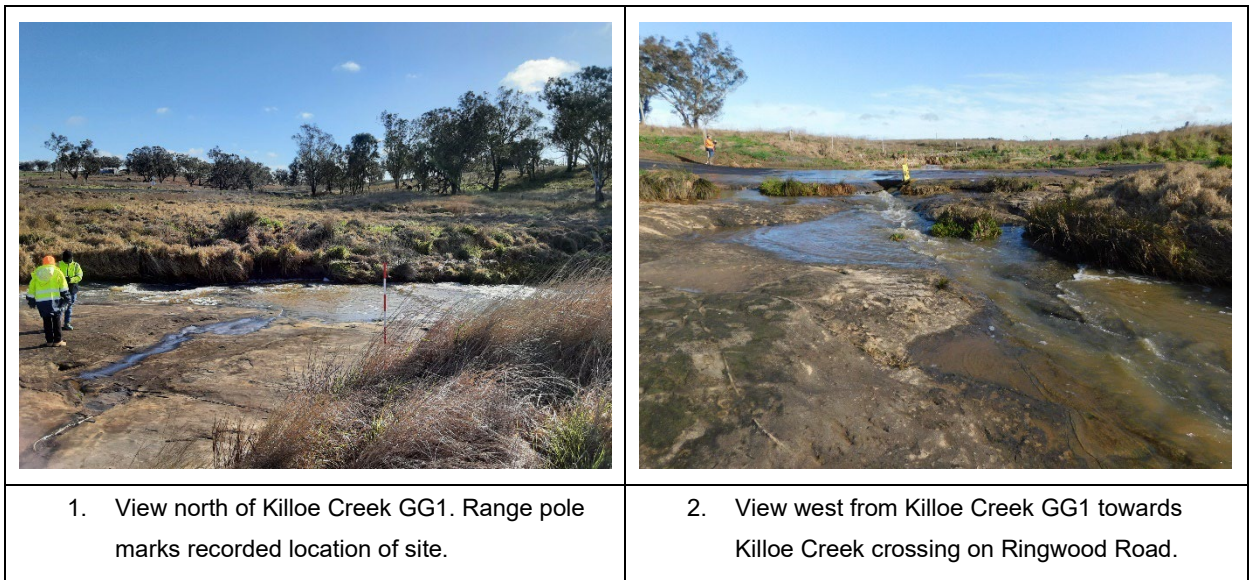
**Location of site:** Located 7.1 km south along Ringwood Road from the intersection of the road and Golden Highway. Situated on the southern bank of Killoe Creek, approximately 50 m east of Ringwood Road.




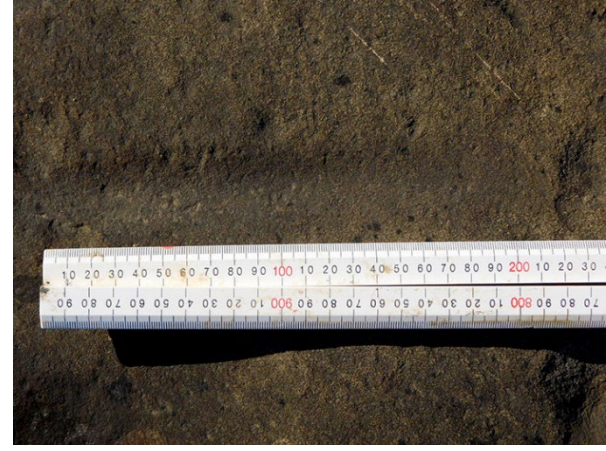
**Description of site:** The site is on the southern creek bank of Killoe Creek, approximately 50 m east of the creek crossing on Ringwood Road (**Figure 5-2**). The site consists of at least 20 very weathered grooves on a flat sandstone slab next to the creek. Four of the better-preserved grooves measure 27 x 7 millimetres (mm), 26 x 5 mm, 28 x 7 mm, and 21 x 5 mm (**Figure 5-3**).

**Figure 5-2: Location of Killoe Creek GG1.**



**Figure 5-3: Killoe Creek GG1. View of site and selection of grinding grooves.**



	
<p>3. View of some of the better preserved grooves at Killoe Creek GG1.</p>	<p>4. View of some of the better preserved grooves at Killoe Creek GG1.</p>
	
<p>5. Detail of a group of grooves at Killoe Creek GG1.</p>	<p>6. Detail of a worn groove at Killoe Creek GG1.</p>

## 5.5 SUMMARY OF SURVEY RESULTS

One grinding groove site was identified during the survey. The grinding groove site is located approximately 50 m from the creek crossing and is outside the Development Footprint of the Addendum study area. Therefore, it will not be harmed during the proposed upgrade of Ringwood Road.

Consistent with previous studies within the broader region, the grinding grooves were near a waterway with sandstone outcropping. This is expected as these areas, near watercourses, are generally associated with increased levels of past resource and camping activities. The grinding grooves indicate that hatchet manufacture/curation is occurring within the broader area. Hatchets would likely have been utilised for the purpose of removing wood and bark from trees for the purposes of construction of shelters, shields, canoes, and coolamons.

## 5.6 ASSESSED SIGNIFICANCE OF THE RECORDED SITE

**Table 5-2** presents a summary of the significance assessment of Aboriginal cultural heritage site recorded near the Addendum study area. Further details of each of the assessment criteria are provided below.

### Social or Cultural Value

Cultural and social values can only be determined by the local Aboriginal people.

Generally, however, all sites hold cultural value to the Aboriginal community. Wonnarua man, Victor Perry (2001), notes that: *'the Wonnarua people consider that all sites within their traditional homeland (to be) of high importance and ...in need of proper care and protection'*. Further, Perry 2001 notes: *'the Wonnarua wish to protect their history and culture wherever possible, and maintain a connection with the land by providing recommendations in regards to Wonnarua Koori Heritage. The land and its stories were passed down from father to son over 200 generations before the arrival of Cook from England.'*

For these reasons, the Aboriginal objects recorded during the survey have high cultural value and the conservation of these objects is a central aspect of Aboriginal tribal lore.

No further cultural values were identified following the RAP review of OzArk 2023.

### Archaeological/Scientific Value

The grinding grooves site (Killoe Creek GG1) located outside the Development Footprint of the Amended Project has limited scientific research potential and the significance of the grooves primarily relates to their educational value. The grinding groove site type is less common in the local and regional areas in terms of representativeness, and this raises its scientific significance to a moderate value.

### Aesthetic Value

The grinding grooves site at Killoe Creek GG1 has moderate aesthetic values as the site remains interpretable by the layperson and the grooves maintain their association with the flowing waters of Killoe Creek.

### Historic Value

None of the archaeological sites recorded during the survey have historic values associated with important persons, places, or events.

**Table 5-2: Significance assessment of sites in the Addendum study area.**

AHIMS ID	Site Name	Social or Cultural Value	Archaeological / Scientific Value	Aesthetic Value	Historic Value
37-1-1033	Killoe Creek GG1	High	Moderate	Moderate	Nil

### 5.6.1 Statement of significance

The Addendum study area holds cultural significance to the local Aboriginal community as Aboriginal people value their heritage as tangible links with the lifestyles and values of their ancestors (Perry 2001:13).

Perry 2001 notes that the land and the water running through it are the '*lifeblood*' of Aboriginal culture and that the forest and mountains of the region provided the resources needed to survive. Perry 2001 records that tribal lore requires that Aboriginal people are obliged to care for the environment and that this includes the aesthetic values of the land. Therefore, the land itself has aesthetic significance and its care and maintenance are core aspects of Aboriginal culture.

37-1-1033 (Killoe Creek GG1) has aesthetic significance as the grinding grooves are visible to the layperson and the grooves maintain their association with Killoe Creek. Thus, the association of running water and visible grooves have a strong aesthetic significance.

## 6 ASSESSING HARM

### 6.1 AVOIDING AND MINIMISING HARM

#### 6.1.1 Conserving significant Aboriginal cultural heritage

An object of the NPW Act is the '*conservation of objects places and features... of cultural value within the landscape, including... places, objects and features of significance to Aboriginal people*' (s.2A(1(b)(i)).

As heritage professionals, OzArk, strives for good conservation outcomes. In particular, OzArk is primarily concerned with the conservation and protection of Aboriginal cultural heritage that is of significance to Aboriginal people.

Two primary objectives when managing harm to an Aboriginal object are:

- Impacts to significant Aboriginal objects and places should always be avoided wherever possible
- Where impacts to Aboriginal objects and places cannot be avoided, proposals should be amended to reduce the extent and severity of impacts to significant Aboriginal objects and places using reasonable and feasible measures.

#### 6.1.2 Opportunities to conserve Aboriginal cultural heritage values

The grinding groove site, 37-1-1033 (Killoe Creek GG1) was recorded approximately 50 m east of the Killoe Creek crossing and is therefore outside the Development Footprint of the Amended Project. There are no further known Aboriginal sites or cultural values associated with the Addendum study area.

Outside of the Addendum study area, but as a result of the Amended Project, an additional Aboriginal site, 37-1-1027 (Redlynch Creek IF1), will no longer be harmed because of the realignment of the Development Footprint. As a result, four recorded sites will not be harmed by the Amended Project as they are located outside the Development Footprint: 37-1-1027 (Redlynch Creek IF1), 37-1-1032 (Ringwood Gully IF6), 37-1-1033 (Killoe Creek GG1), and 37-1-1037 (Rocky Creek Gully OS4).

### 6.2 LIKELY IMPACTS TO ABORIGINAL HERITAGE FROM THE AMENDED PROJECT

**Table 6-1** presents a summary of potential impacts to Aboriginal cultural heritage associated with the proposal.

**Table 6-1: Impact assessment of sites in the Addendum study area.**

AHIMS ID	Site Name	Type of Harm (Direct/Indirect / None)	Degree of Harm (Total/Partial / None)	Consequence of Harm (Total/Partial/No Loss of Value)
37-1-1033	Killoe Creek GG1	None	None	None



## 7 MANAGEMENT OF ABORIGINAL CULTURAL HERITAGE SITES

### 7.1 MANAGEMENT OF THE RECORDED ABORIGINAL SITES

Management strategies recommended for the recorded sites are included in **Table 7-1**.

**Table 7-1: Management strategies for recorded sites.**

AHIMS ID	Site name	Site type	Degree of harm	Management strategy
37-1-1033	Killoe Creek GG1	Grinding Grooves	Will not be harmed	Outside of the Development Footprint. Should works need to take place at the Killoe Creek crossing on Ringwood Road, the site should be included on all applicable construction plans and the location made known to all work crews working in the vicinity of the site to ensure the site is not inadvertently harmed. Given the cultural, scientific, and aesthetic significance of the site the Aboriginal Cultural Heritage Management Plan (ACHMP) for the Project will include a methodology for additional documentation of the site prior to construction activities. This will include further photography and accurate planning of the site by a suitably qualified archaeologist.
37-1-1035	Redlynch Creek OS1	Artefact Scatter	Total	Mapping, description, and collection of surface artefacts prior to commencement of construction.
37-1-1034	Redlynch Creek OS2	Artefact Scatter	Total	Mapping, description, and collection of surface artefacts prior to commencement of construction.
37-1-1036	Redlynch Creek OS3	Artefact Scatter	Total	Mapping, description, and collection of surface artefacts prior to commencement of construction.
37-1-1037	Rocky Creek Gully OS4	Artefact Scatter	Will not be harmed	Outside of the Development Footprint. To be included on all applicable construction plans and the location made known to all work crews working in the vicinity of the site to ensure the site is not inadvertently harmed.
37-1-1027	Redlynch Creek IF1	Isolated Find	Will not be harmed	Because of the realignment of the Development Footprint, 37-1-1027 (Redlynch Creek IF1) will no longer be harmed by the Amended Project. To be included on all applicable construction plans and the location made known to all work crews working in the vicinity of the site to ensure the site is not inadvertently harmed.
37-1-1028	Rocky Creek Slope IF2	Isolated Find	Total	Mapping, description, and collection of the surface artefact prior to commencement of construction.
37-1-1029	Wollara Road IF3	Isolated Find	Total	Mapping, description, and collection of the surface artefact prior to commencement of construction.
37-1-1030	Monaghans Creek IF4	Isolated Find	Total	Mapping, description, and collection of the surface artefact prior to commencement of construction.
37-1-1031	Rocky Creek Gully IF5	Isolated Find	Total	Mapping, description, and collection of the surface artefact prior to commencement of construction.
37-1-1032	Ringwood Gully IF6	Isolated Find	Will not be harmed	Outside of the Development Footprint. To be included on all applicable construction plans and the location made known to all work crews working in the vicinity of the site to ensure the site is not inadvertently harmed.

## 8 RECOMMENDATIONS

Under Section 89A of the NPW Act it is mandatory that all newly recorded Aboriginal sites be registered with AHIMS. As a professional in the field of cultural heritage management it is the responsibility of OzArk to ensure this process is undertaken and the site has been registered with the AHIMS register.

The following recommendations are made based on these impacts and with regard to:

- Legal requirements under the terms of the NPW Act whereby it is illegal to damage, deface or destroy an Aboriginal place or object without an approved ACHMP
- The findings of the current investigations undertaken within the Addendum study area
- The interests of the Aboriginal community.

The survey in 2022 identified eight Aboriginal sites within the Development Footprint (OzArk 2023). The Amended Project has realigned the Development Footprint and is able to avoid 37-1-1027 (Redlynch Creek IF1) and this site will no longer be harmed by the Amended Project.

This changes Recommendations 2 and 3 in the ACHAR to read:

ACHAR Recommendation 2 now reads: 37-1-1027 (Redlynch Creek IF1), 37-1-1032 (Ringwood Gully IF6), 37-1-1033 (Killoe Creek GG1), and 37-1-1037 (Rocky Creek Gully OS4) will not be harmed by the Project as they are located outside the Development Footprint.

ACHAR Recommendation 3 now reads: Seven Aboriginal sites, 37-1-1028 (Rocky Creek Slope IF2), 37-1-1029 (Wollara Road IF3), 37-1-1030 (Monaghans Creek IF4), 37-1-1031 (Rocky Creek Gully IF5), 37-1-1034 (Redlynch Creek OS2), 37-1-1035 (Redlynch Creek OS1), and 37-1-1036 (Redlynch Creek OS3) will be salvaged by a surface collection of visible artefacts. The recommended methodology for the salvage will be set out in the ACHMP and will include the measures outlined in Section 9.2.1 of the ACHAR.

The additional recommendations concerning Aboriginal cultural values associated with the Amended Project build upon those provided in OzArk 2023:

1. 37-1-1027 (Redlynch Creek IF1) and 37-1-1033 (Killoe Creek GG1) will not be harmed by the Amended Project as they are located outside the Development Footprint. The location of these sites must be shown on all applicable Project plans to ensure that they are not inadvertently harmed.
2. Further recording and investigation of the grinding groove site (Killoe Creek GG1) prior to construction activities will be conducted. The methodology of this investigation will be set

out in the ACHMP that will be developed following Project approval but will include detailed mapping and photography of the site by a suitably qualified archaeologist.

3. All land-disturbing activities must be confined to within the Development Footprint. Should the parameters of the proposed work extend beyond this, then further archaeological assessment will be required.

## REFERENCES

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## APPENDIX 1: ABORIGINAL COMMUNITY CONSULTATION

**Appendix 1 Figure 1: Aboriginal consultation Log (continued from OzArk 2023).**

Date	Organisation	Comment	Method
29.8.23	Didge Ngunawal Clan	Project update letter sent	Email
29.8.23	Corroboree Aboriginal Corporation	Project update letter sent	Email
29.8.23	Widescope Indigenous Group	Project update letter sent	Email
29.8.23	Walhallow Local Aboriginal Land Council	Project update letter sent	Email
29.8.23	Rose Nean	Project update letter sent	Email
29.8.23	Ungooroo Aboriginal Corporation	Project update letter sent	Email
29.8.23	Gomerioi People	Project update letter sent	Email
29.8.23	Hunters & Collectors	Project update letter sent	Email
29.8.23	Wanaruah Local Aboriginal Land Council	Project update letter sent	Email
29.8.23	Murra Bidgee Mullangari Aboriginal Corporation	Project update letter sent	Email
29.8.23	Merrigarn	Project update letter sent	Email
29.8.23	Hunter Traditional Owner	Project update letter sent	Email
29.8.23	A1 Indigenous group	Project update letter sent	Email
29.8.23	Junburra Aboriginal Consultancy Services	Project update letter sent	Email
30.8.23	Hunters & Collectors	Catherine Burrowes received email response - <i>I have read the project information and amendment to the ACHA for the above project, I endorse the recommendations made.</i>	Email

## Appendix 1 Figure 2: Project update letter.

	<p><b>OzArk Environment &amp; Heritage</b></p> <p>Dubbo   Queanbeyan      T: 02 6882 0118  Wollongong   Newcastle      enquiry@ozarkehm.com.au  www.ozarkehm.com.au</p>	<p><b>ABN 59 104 582 354</b></p> <p>145 Wingewarra St  PO Box 2069  DUBBO NSW 2830</p>
Date		
Address1		
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Address3		
Address4		
Address5		
Address6		
<p><b>GOULBURN RIVER SOLAR FARM</b></p> <p><b>PROJECT UPDATE</b></p>		
<p>Dear <b>Members</b>,</p>		
<p>Thank you for your continuing interest to be a Registered Aboriginal Party (RAP) for the Goulburn River Solar Farm (the Project).</p>		
<p>This project update follows your review of the Aboriginal Cultural Heritage Assessment Report (ACHAR) in October/November 2022 that detailed the results of the pedestrian survey undertaken by OzArk and RAP representatives in August 2022.</p>		
<p>Following the finalisation of the ACHAR, the report was included in the Environmental Impact Statement for the Project that was placed on public exhibition on Tuesday 13 June 2023 until Monday 10 July 2023.</p>		
<p>After consideration of public and agency submissions received following exhibition of the Project, as well as further detailed design of the technical aspects of the Project, a number of amendments are proposed to the Project. Proposed amendments to the Project are summarised below.</p>		
<ol style="list-style-type: none"> <li>1. Upgrade of the intersection of the Golden Highway and Ringwood Road</li> <li>2. Upgrades to parts of Wollara Road and Ringwood Road</li> <li>3. Increased BESS capacity and option of a decentralised BESS</li> <li>4. Relocation of solar arrays within the Development Footprint, and an increased width of selected internal access roads</li> <li>5. Construction of an additional transmission tower adjacent the BESS/substation.</li> </ol>		
<p>The assessment of these amendments will be reported in an Addendum ACHAR.</p>		
<p>In terms of Aboriginal cultural heritage, these amendments do not require additional survey. The reasons for this are set out below.</p>		

## OzArk Environment &amp; Heritage

- Amendments 1 and 2 were part of the original survey area completed by OzArk in August 2022 (termed the Access Route). The August 2022 survey included the road corridor of Ringwood and Wollara Roads from the Golden Highway to the Development Footprint (**Figure 1**). This survey included the waterway crossings associated with the Bow River and Killoe Creek, as well as a number of unnamed waterway crossings. In addition, a number of spot checks were undertaken in landforms along the road corridor that are more distant to waterways. As a result of the Access Route assessment, one Aboriginal site was recorded: an axe grinding groove site located on Killoe Creek (Killoe Creek GG1). The site consists of several indistinct grooves on a rock slab that is outside of the proposed disturbance corridor.
- Amendments 3 to 5 are located within the Development Footprint that was fully assessed by pedestrian survey during the main survey in August 2022. As no unsurveyed landforms are impacted by these amendments, further survey is not required.

OzArk included the assessment of the Access Route from the Golden Highway to the Development Footprint in the ACHAR you have received. OzArk will develop an Amendment ACHAR to specifically address the amendments to the Project but the survey results in the current ACHAR will remain unchanged and the Amendment ACHAR will not alter the recommendations contained in the ACHAR you have reviewed, apart from recommending a new initiative: the further recording and investigation of the grinding groove site Killoe Creek GG1 as has been recommended in the Heritage NSW response to the ACHAR.

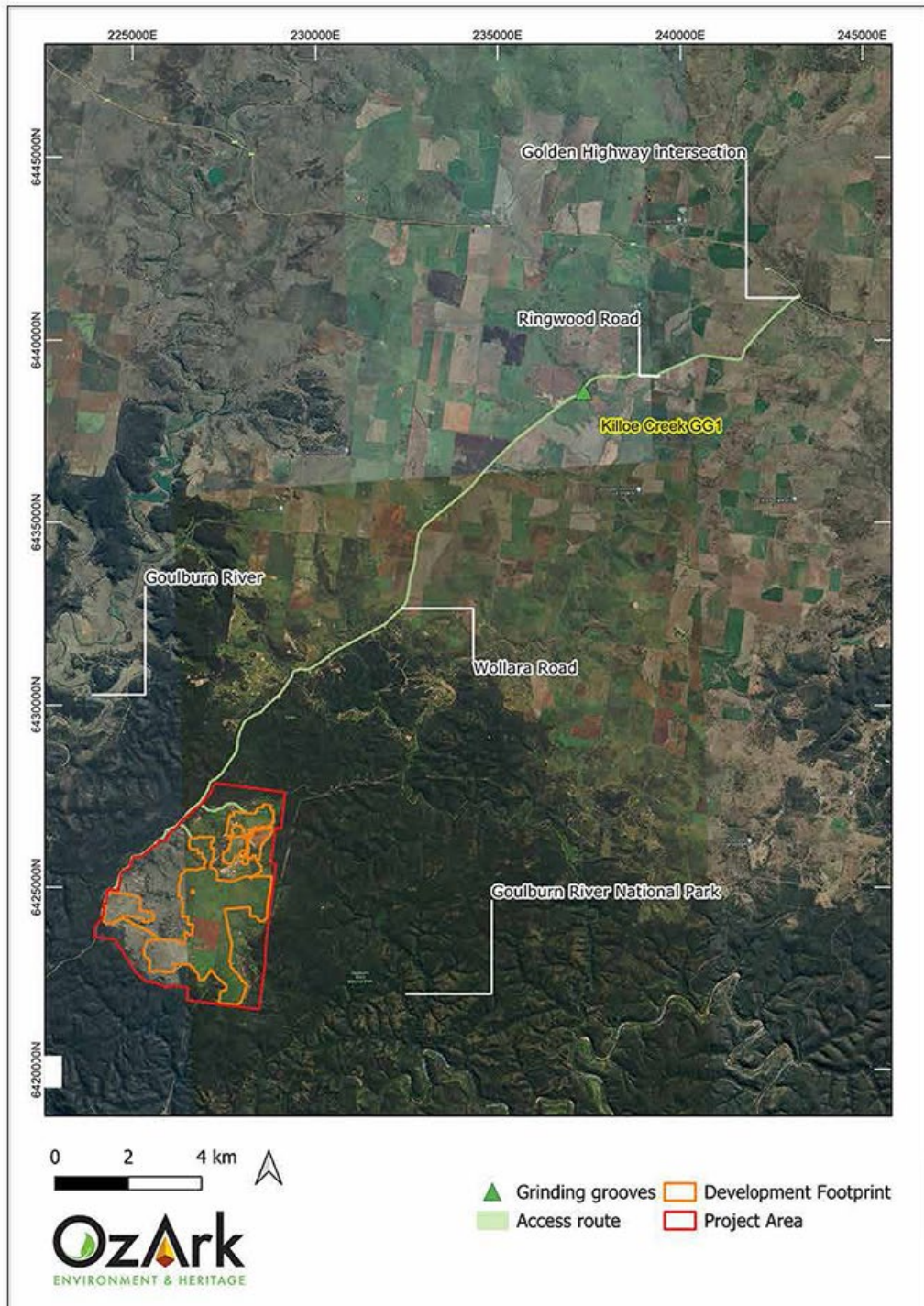
This Amendment ACHAR will be sent to you for your information when a draft is ready.

OzArk welcomes any comments you may have at this stage and invites you to contact Catherine Burrowes, OzArk's Consultation Officer ([catherine@ozarkehm.com.au](mailto:catherine@ozarkehm.com.au)) with any questions or responses.

With thanks,


Ben Churcher  
OzArk Principal Archaeologist

Figure 1: Location of the Access Route.






## APPENDIX 2: AHIMS SEARCH RESULTS

 <b>AHIMS Web Services (AWS)</b> Extensive search - Site list report										Your Ref/PO Number : 4098
										Client Service ID : 828837
SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0369	Inniscarra;	AGD	56	240369	6423130	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0370	Inniscarra;	AGD	56	240369	6423130	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0363	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0357	Inniscarra;	AGD	56	240823	6423321	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0185	Parsons Gully;	AGD	56	241790	6420503	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0196	Parsons Gully;	AGD	56	242348	6420056	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0212	Parsons Gully;	AGD	56	242714	6420063	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0213	Goulburn River;	AGD	56	242714	6420063	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0216	Goulburn River;	AGD	56	242802	6420247	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0108	Bow River;	AGD	56	237043	6419957	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0052	Goulburn River N.P.;Bow River;	AGD	56	230720	6427400	Closed site	Valid	Artefact : -	Shelter with Deposit	1097
	<b>Contact</b>	<b>Recorders</b>	Laura-Jane Smith,D French							
37-1-0086	Bow River;	AGD	56	237641	6422255	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0116	Bow River;	AGD	56	236838	6421142	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0198	Parsons Gully;	AGD	56	242436	6420240	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0201	Goulburn River;	AGD	56	242436	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380


Report generated by AHIMS Web Service on 16/10/2023 for Imogen Crome for the following area at Datum :GDA, Zone : 56, Eastings : 221988.0 - 244053.0, Northings : 6420122.0 - 6441749.0 with a Buffer of 0 meters... Number of Aboriginal sites and Aboriginal objects found is 117  
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 <b>AHIMS Web Services (AWS)</b> Extensive search - Site list report										Your Ref/PO Number : 4098
										Client Service ID : 828837
SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-1035	Redlynch Creek OS1	GDA	56	228219	6426563	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-1034	Redlynch Creek OS2	GDA	56	228274	6426411	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-0022	Tunbridge Creek;	AGD	56	240403	6421300	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0358	Inniscarra;	AGD	56	240369	6423130	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0361	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0177	parsons gully;	AGD	56	241519	6420315	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0179	Parsons Gully;	AGD	56	241519	6420315	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0218	Parsons Gully;	AGD	56	242802	6420247	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0378	Tunbridge Creek;	AGD	56	238945	6420999	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0377	Tunbridge Creek;	AGD	56	239301	6421554	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0974	MTW/2019PP/GRBA/17	GDA	56	222161	6434705	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Yancoal Australia Ltd, Miss, Jessica Blackman							
37-1-0975	MTW/2019PP/GRBA/18	GDA	56	222183	6434695	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Yancoal Australia Ltd, Miss, Jessica Blackman							
37-1-0051	Goulburn River N.P.;Bow River;	AGD	56	232160	6428050	Open site	Valid	Artefact : -	Open Camp Site	1097
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig,R French							
37-1-1037	Rocky Creek Gully OS4	GDA	56	224888	6424844	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-0023	Tunbridge Creek;	AGD	56	239939	6421658	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0353	Inniscarra;KD/226;	AGD	56	241500	6424700	Closed site	Valid	Artefact : -	Shelter with Deposit	1197


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 <b>AHIMS Web Services (AWS)</b> Extensive search - Site list report										Your Ref/PO Number : 4098 Client Service ID : 828837
SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0359	Inniscarra;	AGD	56	240554	6423042	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig							
37-1-0366	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0049	MPB18/BMP18;Turnbridge Creek;	AGD	56	241860	6424990	Open site	Valid	Artefact : -	Open Camp Site	1097
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig							
37-1-0194	Parsons Gully;	AGD	56	242258	6419963	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0211	Parsons Gully;	AGD	56	242714	6420063	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0102	Bow River;	AGD	56	237213	6420692	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0099	Bow River;	AGD	56	237307	6420511	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0096	Bow River;	AGD	56	237496	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0001	Lees Pinch;	AGD	56	223489	6420710	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0373	Goulburn River;	AGD	56	239668	6421470	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0375	Policemans Track;	AGD	56	239668	6421470	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0973	MTW/2019PP/GRBA/15	GDA	56	222098	6434717	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Yancoal Australia Ltd, Miss, Jessica Blackman							
37-1-0123	Bow River;	AGD	56	236755	6420683	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0122	Bow River;	AGD	56	236747	6421141	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-1036	Redlynch Creek OS3	GDA	56	228272	6426217	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo, Mr. YEKUN ZHANG							

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 <b>AHIMS Web Services (AWS)</b> Extensive search - Site list report										Your Ref/PO Number : 4098 Client Service ID : 828837
SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0367	Inniscarra;	AGD	56	240369	6423130	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0364	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0181	Parsons Gully;	AGD	56	241519	6420315	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0187	Parsons Gully;	AGD	56	241890	6420047	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0217	Goulburn River;	AGD	56	242802	6420247	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0109	Bow River;	AGD	56	237038	6420231	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0110	Bow River;	AGD	56	237038	6420231	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0111	Bow River;	AGD	56	237038	6420231	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund							
37-1-0095	Bow River;	AGD	56	237496	6420240	Closed site	Valid	Artefact : -, Grinding Groove : -	Axe Grinding Groove, Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0092	Bow River;	AGD	56	237461	6422069	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0379	Inniscarra;	AGD	56	238542	6423004	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0089	Bow River;	AGD	56	237646	6421981	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0344	Inniscarra;	AGD	56	242856	6427110	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0124	Bow River;	AGD	56	236760	6420409	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0115	Bow River;	AGD	56	236847	6420685	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	380

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NSW GOVERNMENT		AHIMS Web Services (AWS)						Your Ref/PO Number : 4098		
		Extensive search - Site list report						Client Service ID : 828837		
SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-1029	Wollara Road IF3	GDA	56	226394	6426654	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	<b>ASRSYS</b>							
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-0368	Inniscarra;	AGD	56	240369	6423130	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0356	Inniscarra;	AGD	56	240823	6423321	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0171	Goulburn River;	AGD	56	241142	6420948	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0175	Goulburn River;	AGD	56	241430	6420222	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0182	Parsons Gully;	AGD	56	241701	6420410	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0054	Goulburn River National Park;Mt Misery;Poggy Creek;	AGD	56	225950	6421800	Open site	Valid	Artefact : -	Open Camp Site	1097
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig							
37-1-0215	Parsons Gully;	AGD	56	242802	6420247	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0113	Bow River;	AGD	56	236931	6421053	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0094	Bow River;	AGD	56	237496	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0043	The Hulks;	AGD	56	222874	6429116	Closed site	Valid	Shell : -,Artefact : -	Shelter with Midden	
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0044	The Hulks;	AGD	56	222874	6429116	Closed site	Valid	Shell : -,Artefact : -, Grinding Groove : -	Axe Grinding Groove,Shelter with Midden	
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0025	Tunbridge Creek;	AGD	56	239655	6422201	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-1033	Killoe Creek GG1	GDA	56	237357	6438576	Open site	Valid	Grinding Groove : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-0199	Parsons Gully;	AGD	56	242436	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							

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NSW GOVERNMENT		AHIMS Web Services (AWS)						Your Ref/PO Number : 4098		
		Extensive search - Site list report						Client Service ID : 828837		
SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0200	Goulburn River;	AGD	56	242436	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-1032	Ringwood Gully IF6	GDA	56	228045	6422023	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-1027	Redlynch Creek IF1	GDA	56	228173	6425902	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG							
37-1-0365	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0355	Inniscarra;	AGD	56	240823	6423321	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0380	Inniscarra;	AGD	56	240823	6423321	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0172	Goulburn River;	AGD	56	241154	6420308	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0040	Tunbridge Creek Myrtle Gully	AGD	56	241667	6422239	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0345	Inniscarra;	AGD	56	242677	6426924	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0699	Eagles Drift Art Site	GDA	56	226425	6434233	Open site	Valid	Art (Pigment or Engraved) : 1		
	<b>Contact</b>	<b>Recorders</b>	Junburra Aboriginal Consultancy Services							
37-1-0053	Poggy;Mt Misery;	AGD	56	227770	6422960	Open site	Valid	Artefact : -	Open Camp Site	1097
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig,D French							
37-1-0093	Bow River;	AGD	56	237496	6420240	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0343	The Hulks;	AGD	56	222964	6429210	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<b>Contact</b>	<b>Recorders</b>	ASRSYS							
37-1-0228	Parsons Gully;	AGD	56	243069	6420618	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							
37-1-0026	Tunbridge Creek;	AGD	56	239931	6422115	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author							

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NSW GOVERNMENT		AHIMS Web Services (AWS)							Your Ref/PO Number : 4098	
		Extensive search - Site list report							Client Service ID : 828837	
SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0240	Parsons Gully;	AGD	56	243806	6420358	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-1028	Rocky Creek Slope IF2	GDA	56	226913	6426210	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG					<b>Permits</b>		
37-1-0362	Inniscarra;	AGD	56	240554	6423042	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0354	Inniscarra;	AGD	56	240996	6423873	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0178	Parsons Gully;	AGD	56	241519	6420315	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0112	Bow River;	AGD	56	236930	6421144	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS					<b>Permits</b>		
37-1-0091	Bow River;	AGD	56	237572	6421065	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0374	Goulburn River;	AGD	56	239668	6421470	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0976	MTW/2019PP/GRBA/16	GDA	56	222150	6434708	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Yancoal Australia Ltd, Miss, Jessica Blackman					<b>Permits</b>		
37-1-0085	Bow River;	AGD	56	237661	6421158	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	ASRSYS					<b>Permits</b>		
37-1-0024	Tunbridge Creek;	AGD	56	239561	6422291	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-1030	Monaghans Creek IF4	GDA	56	227432	6424546	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG					<b>Permits</b>		
37-1-0371	Inniscarra;	AGD	56	240369	6423130	Open site	Valid	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0360	Inniscarra;	AGD	56	240554	6423042	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0174	Parsons Gully;	AGD	56	241340	6420128	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0176	Parsons Gully;	AGD	56	241525	6420040	Closed site	Valid	Artefact : -	Shelter with Deposit	380

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NSW GOVERNMENT		AHIMS Web Services (AWS)							Your Ref/PO Number : 4098	
		Extensive search - Site list report							Client Service ID : 828837	
SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
37-1-0180	Parsons Gully;	AGD	56	241519	6420315	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0050	MPB19/BMP19;Turnbridge Creek;	AGD	56	241850	6425000	Open site	Valid	Artefact : -	Open Camp Site	1097
	<b>Contact</b>	<b>Recorders</b>	Margrit Koettig					<b>Permits</b>		
37-1-0210	Goulburn River;	AGD	56	242710	6420246	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0105	Bow River;	AGD	56	237043	6419957	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Ms.Laila Haglund					<b>Permits</b>		
37-1-0107	Bow River;	AGD	56	237043	6419957	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-1031	Rocky Creek Gully IF5	GDA	56	224916	6426210	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	OzArk Environmental and Heritage Management - Dubbo,Mr.YEKUN ZHANG					<b>Permits</b>		
37-1-0068	Tunbridge Creek;	AGD	56	238213	6420985	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	K Pratt					<b>Permits</b>		
37-1-0229	Parsons Gully;	AGD	56	243074	6420344	Closed site	Valid	Artefact : -	Shelter with Deposit	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0372	Inniscarra;	AGD	56	240191	6422852	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		
37-1-0202	Parsons Gully;	AGD	56	242429	6420606	Open site	Valid	Artefact : -	Open Camp Site	380
	<b>Contact</b>	<b>Recorders</b>	Unknown Author					<b>Permits</b>		

**\*\* Site Status**  
**Valid** - The site has been recorded and accepted onto the system as valid  
**Destroyed** - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.  
**Partially Destroyed** - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground  
**Not a site** - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified

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