REPORT

Mulwala Solar Farm

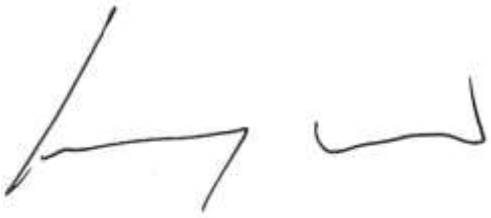
Aboriginal Cultural Heritage Assessment Report

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Executive summary

RPS has been engaged by ESCO Pacific to prepare an Aboriginal Cultural Heritage Assessment Report for the proposed State Significant Development Mulwala Solar Farm project in the Federation Council Local Government Area. The project area is located approximately two kilometres to the north of Mulwala, 1.5 kilometres to the banks of Lake Mulwala and north of the Murray River, New South Wales.

This report addresses both Aboriginal and non-Aboriginal heritage in accordance with the Secretary's Environmental Assessment Requirements issued on 5 February 2018.

A search of the Aboriginal Heritage Information Management System identified six Aboriginal sites within the searched area, none of which were located within the project area. The most common site type included modified trees, followed by two burials and Potential Archaeological Deposits. An additional search of the Aboriginal Cultural Heritage Register and Information System was conducted due to the project area's close proximity to Victoria. No sites were located within the project area; however, 211 sites have been registered in the wider area, of which were predominantly Low-Density Artefact Distributions, followed by artefact scatters, scarred trees, burials, earth features and one midden.

A review of the environmental context for the geographical region indicates that the project area and its close proximity to watercourses, and associated flora and faunal resources makes it an ideal location for occupation throughout various stages of the year as seasonal migration and hunting would have determined the movement of groups throughout the region. Evidence of these subsistence patterns through past regional studies and ethnographic accounts reveal that the most common Aboriginal sites, such as scarred trees and isolated artefact scatters are the most likely site types to occur within the project area.

Aboriginal consultation has been undertaken in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents. The registered Aboriginal parties for the project area are: Cummeragunja Local Aboriginal Land Council, Bundyi Aboriginal Cultural Knowledge and Bangerang Aboriginal Corporation. Representatives from all three registered Aboriginal Parties participated in the archaeological survey. Five new archaeological Aboriginal sites were identified by RPS, comprising of isolated artefacts within a disturbed context. Additionally, one area of archaeological sensitivity was identified in the south-western portion of the project area. One low lying swamp area was also considered to be archaeologically sensitive. This area contains sandy rises which may harbour subsurface Aboriginal cultural heritage. Bundyi Aboriginal Cultural Knowledge recorded an additional seven cultural sites within the project area, although two of these are duplicates of those recorded by RPS, creating a total of ten sites within the project area. One site was identified as an Aboriginal resource and gathering area along with two isolated artefacts within the project area. Two scarred trees were recorded however they are outside of the proposed development footprint. The potential for encountering further archaeological deposits in the remainder of the project area was assessed as being low due to the former European land use history being agricultural in nature.

Three of the ten identified sites will be directly impacted on by the proposed construction of the Mulwala Solar Farm. The remaining seven sites and two sensitive landforms will not be impacted.

The search of the State Heritage Register, Section 170 Heritage and Conservation Register and Schedule 5 of the Corowa Local Environment Plan 2012 revealed a total of three registered heritage items within the town of Mulwala. None of these items are located within the project area, with the closest item being the State heritage listed Mulwala Station Homestead (ID 1460059 located 850 metres from the project area and not being impacted by the proposed activity. A visual inspection for historic heritage within the project area did not identify any evidence of built heritage or subsurface features.

The following recommendations have been made for both Aboriginal and non-Aboriginal heritage within the project area:

Recommendation 1

There are four no-go zones established within the project area (Figure 6). The large no-go zones harbour sensitive landforms. The two smaller no-go zones harbour scarred trees. The no-go zones are to be marked out with high visibility fencing prior to commencement of works. No works will take place within the no-go zones. All staff and subcontractors are to be made aware of the no-go zone locations and to avoid them at all times.

Recommendation 2

AHIMS sites 55-4-0258, 55-4-0261/55-4-0257, 55-5-0134 and 55-5-0135 are located within the no-go zones. No works will take place within these area (Figure 6). These sites will not be impacted. There are no mitigation or management measures for these sites due to their position within the no-go zone. All staff and subcontractors are to be made aware of the sites locations and to avoid them at all times. No harm is to come to AHIMS sites 55-4-0258, 55-4-0261/55-4-0257, 55-5-0134 and 55-5-0135.

Recommendation 3

AHIMS sites 55-5-0132 and 55-5-0133 are located outside the development footprint and within a no-go zone. These sites will not be impacted. The mitigation measure for these sites is the installation of high visibility fencing extending from the edge of the formed access track, Lambruck Lane to the northern-most fence line of the southern portion of the project area. All staff and subcontractors are to be made aware of the sites locations and to avoid them at all times. No harm is to come to AHIMS sites 55-5-0132 and 55-5-0133.

Recommendation 4

AHIMS site 55-5-0138 is located outside of the development footprint and therefore will not be impacted. There are no mitigation or management measures for this site.

Recommendation 5

RPS recommends that prior to any site work commencing, a surface salvage of AHIMS sites 55-4-260/55-4-0259, 55-5-0140 and 55-5-0139 must occur as these sites are within the proposed development footprint. After the surface salvage, an Aboriginal Site Impact Recording Form must be completed and submitted to AHIMS.

Recommendation 6

RPS recommends that all relevant personnel, contractors and subcontractors are made aware of the legal obligations for Aboriginal cultural heritage under the National Parks and Wildlife Act 1974 through an on-site toolbox talk or induction prior works commencing.

Recommendation 7

If any unrecorded Aboriginal objects are identified while undertaking the proposed development activities in the Project Area, then all works in the immediate area must cease and the area should be cordoned off and secured and the proponent must avoid further harm to the Aboriginal object. OEH must be notified via the Enviroline 131 555 as soon as practicable providing details of the Aboriginal object/s and the site location. The RAPs are to be notified along with the heritage consultant to ensure the site is assessed and managed. Works must not recommence at that particular location unless authorised in writing by OEH.

Recommendation 8

In the unlikely event that skeletal remains are identified, work must cease immediately in the vicinity of the remains and the area must be cordoned off. The proponent must contact the local NSW Police who will make an initial assessment as to whether the remains are part of a crime scene or possible Aboriginal remains. If the remains are thought to be Aboriginal, OEH must be contacted via the Enviroline 131 555. An OEH officer will determine if the remains are Aboriginal or not; and a management plan must be developed in consultation with the relevant Aboriginal stakeholders before works recommence. Works must not recommence at that location unless authorised in writing by OEH.

Recommendation 9

The proposed works within the project area will not impact on any known historic (non-Aboriginal) objects or places. Works may proceed with caution.

Recommendation 10

RPS recommends that all relevant personnel, contractors and subcontractors are made aware of the legal obligations for historic (non-Aboriginal) heritage under the *Heritage Act 1977* through an on-site toolbox talk or induction prior to works commencing.

Recommendation 11

If suspected archaeological resources are identified, work within the affected area must cease and the area cordoned off. The Heritage Division of the OEH must be notified by ringing the Enviroline on 131 555 so that it can be adequately assessed and managed in accordance with Section 146 of the *Heritage Act 1977*. The heritage consultant is to be notified.

Contents

EXECUTIVE SUMMARY III

1 INTRODUCTION 10
1.1 Project area 10
1.2 Proposed activity 13
1.3 Authorship 14
1.4 Compliance with Secretary's Environmental Assessment Requirements 15

2 LEGISLATIVE CONTEXT 19
2.1 National Parks and Wildlife Act 1974 19
2.2 Heritage Act 1977 19
2.3 Environmental Planning and Assessment Act 1979 20

PART 1 ABORIGINAL CULTURAL HERITAGE 21

3 ABORIGINAL CONSULTATION 22
3.1 Aboriginal consultation in accordance with the ACHCR 22

4 ABORIGINAL HERITAGE CONTEXT 27
4.1 Aboriginal Heritage Information Management System 27
4.2 Aboriginal Cultural Heritage Register and Information System 27
4.3 Local Aboriginal heritage studies 30
4.4 Ethno-historical accounts 32
4.5 Summary 36

5 ENVIRONMENTAL CONTEXT 37
5.1 Geology and soils 37
5.2 Flora and Fauna 37
5.3 Topography and hydrology 38
5.4 Summary 39

6 PREDICTIVE MODEL 40

7 ARCHAEOLOGICAL SURVEY 41
7.1 Survey aims 41
7.2 Sampling strategy 41
7.3 Field methods 41
7.4 Survey coverage 43
7.5 Archaeological survey results 43
7.6 Summary of survey results 53
7.7 Interpretation of survey results 53

8 SIGNIFICANCE ASSESSMENT 55

9 ABORIGINAL HERITAGE IMPACT ASSESSMENT 57
9.1 The Proposal 57
9.2 Impact Assessment 59

10 MANAGEMENT AND MITIGATION 62
10.1 Avoiding and minimising harm 62
10.2 Proposed Management policy for Aboriginal heritage 63

PART 2: HISTORIC HERITAGE 70

11 NON-ABORIGINAL HERITAGE CONTEXT 71
11.1 Heritage searches 71
11.2 European land use history 72

12 VISUAL INSPECTION & SUMMARY OF FINDINGS 75
12.1 Visual Inspection 75
12.2 Summary of findings 75
12.3 Statement of Heritage Impact and heritage significance 75
12.4 Mitigation and management measures 75

PART 3: CONCLUSIONS AND RECOMMENDATIONS 76

13 ABORIGINAL HERITAGE 77
13.1 Conclusions 77
13.2 Recommendations 77

14 HISTORIC (NON-ABORIGINAL HERITAGE) 79
14.1 Conclusions 79
14.2 Recommendations 79

15 REFERENCES 80

Tables

Table 1 Properties comprising the project area 10
Table 2 Authorship of this report 14
Table 3 Compliance with SEARs and agency requirements 16
Table 4 Registered Aboriginal Parties for Mulwala Solar Farm 23
Table 5 RAP submissions 25
Table 6 Combined results of Aboriginal sites in the project locality 28
Table 7 Ground surface visibility (GSV) and ground surface exposure (GSE) rating 43
Table 8 Effective Survey Coverage 43
Table 9 Impact assessment of registered AHIMS sites 59
Table 10 Impacts to values 60
Table 11 Impact to sites 65

Table 12 State Heritage Inventory items in Mulwala....71
Table 13 Corowa Local Environmental Plan 2012 heritage items in Mulwala....72
Table 14 Unexpected heritage item procedure....84

Figures

Figure 1 Project area....12
Figure 2 Previously recorded sites....29
Figure 3 Project area with survey units....42
Figure 4 Map of identified sites....52
Figure 5 Location of proposed works and location of recorded sites....61
Figure 6 No-Go Zones and management recommendations map....67

Plates

Plate 1 Highly disturbed landscape of SU1, facing east (RPS 2018)....44
Plate 2 Vehicle access corridor of SU1 with, facing west (RPS 2018)....44
Plate 3 AHIMS 55-4-260/55-4-0259, facing north east in SU1 (RPS 2018)....45
Plate 4 AHIMS 55-4-260/55-4-0259, facing north east in SU1 (RPS 2018)....45
Plate 5 Location of AHIMS 55-4-260/55-4-0259 within highly eroded area and livestock track, facing north east in SU1 (RPS 2018)....45
Plate 6 Burnt vegetation and visible vehicle tracks, facing west in SU1 (RPS 2018)....45
Plate 7 Thin red loam soil with scattered vegetation and moderate visibility, facing west in SU1 (RPS 2018)....46
Plate 8 Location of widely distributed clay ball cluster, note the burnt vegetation and vehicle tracks. Facing east in SU1 (RPS 2018)....46
Plate 9 Sand vehicle access corridor parallel to Lambruck Lane, location of AHIMS 55-4-0261/55-4-0257 facing north west in SU2 (RPS 2018)....47
Plate 10 Sandy vehicle access corridor in SU2 looking north east to SU1 (RPS 2018)....47
Plate 11 AHIMS 55-4-0261/55-4-0257, facing north in SU1 (RPS 2018)....47
Plate 12 AHIMS 55-4-0261/55-4-0257, facing north in SU1 (RPS 2018)....47
Plate 13 Sand dunes landscape with dam located on right with vehicle tracks visible, looking south east in SU2 (RPS 2018)....48
Plate 14 Remnant trees and burnt vegetation with visible access tracks within the sand dunes system facing south east in SU2 (RPS 2018)....48
Plate 15 Thick grass with extremely low visibility in the southern-most portion of the low-lying area of SU3 facing north (RPS 2018)....49
Plate 16 The low-lying swamp with areas of high erosion, looking north east in SU3 (RPS 2018)....49
Plate 17 Thin grey loam with moderate visibility within the low-lying area facing north in SU3 (RPS 2018)....49
Plate 18 Artificial dam situated on thin red loam soil with high areas of erosion facing north east in SU3 (RPS 2018)....49
Plate 19 AHIMS 55-5-0140 located on thin grey loam facing north east in SU3 (RPS 2018)....50
Plate 20 AHIMS 55-5-0140 located on thin grey loam facing north east in SU3 (RPS 2018)....50

Plate 21 Areas of high exposure and vehicle tracks, location of AHIMS 55-5-0140 in SU3 facing south west (RPS 2018) 50
Plate 22 AHIMS 55-5-0139, facing north east in SU3 (RPS 2018) 50
Plate 23 AHIMS 55-5-0139, facing north east in SU3 (RPS 2018) 51
Plate 24 Location of AHIMS 55-5-0139, thick grasses with poor visibility facing north west in SU3 (RPS 2018) 51
Plate 25 AHIMS 55-5-0138 located in the red clay loam, facing north west in SU3 (RPS 2018) 51
Plate 26 AHIMS 55-5-0138 located in the red clay loam, facing north west in SU3 (RPS 2018) 51

Appendices

Appendix A Unexpected Finds Protocol
Appendix B Consultation Documentation
Appendix C AHIMS + ACHRIS Searches
Appendix D Newly Registered AHIMS Site Cards
Appendix E Bundyi Cultural Services Report

1 Introduction

RPS has been engaged by ESCO Pacific to prepare an Aboriginal Cultural Heritage Assessment Report (ACHAR) for the proposed Mulwala Solar Farm which will be assessed as a State Significant Development under Division 4.1 of the *Environmental Planning and Assessment Act 1979*. A request for Secretary's Environmental Assessment Requirements (SEARs) was made on 17 January 2018. The SEARs were issued by the Department of Planning and Environment on 5 February 2018.

1.1 Project area

The project area for the proposed Mulwala Solar Farm is located approximately two kilometres north of the Mulwala township and is within the Federation Council Local Government Area (LGA). Mulwala is located to the north of the Murray River, on the banks of Lake Mulwala, halfway between Albury and Echuca, and is situated in the Southern Riverina region of New South Wales. The project area comprises approximately 378 hectares. The development footprint (also shown in Figure 1) is an area of up to 218 hectares which has been designated for the placement of the solar panels within the boundaries of the project area.

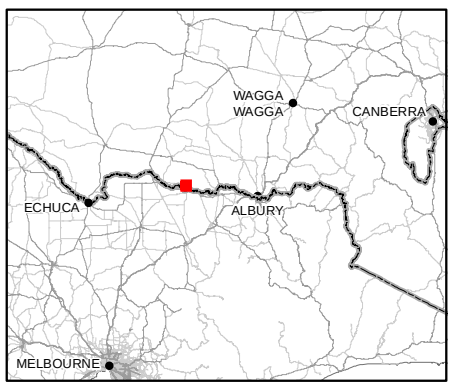
The project area comprises the below properties and is shown in Table 1 and detailed in Figure 1.

Table 1 Properties comprising the project area

Lot	DP
Lot 1	DP 100773
Lot 1	DP 134511
Lot 2	DP 134511
Lot 3	DP 134511
Lot 4	DP 134511
Lot 5	DP 134511
Lot 6	DP 134511
Lot 7	DP 134511
Lot 103	DP 752290
Lot 114	DP 752290
Lot 115	DP 752290
Lot 116	DP 752290
Lot 125	DP 752290
Lot 132	DP 752290

The project area is bounded to the east by Mulwala Savernake Road and to the south and west by Tocumwal Road (Figure 1). The nearest major roads are the Murray Valley Highway located approximately six kilometres to the south in Victoria, and the Riverina Highway approximately 25 kilometres to the north in New South Wales. A 132 Kilovolt (kV) transmission powerline runs along Tocumwal Road, parallel to the southern boundary. This transmission line connects into the Mulwala 132 kV substation located to the south of the project area, which is owned by Essential Energy. The connection is not part of this ACHAR.





N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.
Watercourse data provided by DELWP 2018.
Imagery from Esri basemap layer.

LEGEND

- Project Area
- Development Footprint
- Waterbody
- Watercourse
- Cadastre

RPS

Figure 1
Project Area
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18037_Mulwala_Solar_Farm\Working\Heritage\Figure1_Project_Area_Mulwala_Solar_Farm_A3P.mxd
Compiled: 21 May 2018

1.2 Proposed activity

The proposed Mulwala Solar Farm project is a large scale renewable energy project that will generate up to 80 Megawatts (MW) of alternating current and 105 MW direct current clean and renewable electricity. The solar farm will comprise 308,824 solar photovoltaic modules, known more commonly as 'PV Modules' or 'solar panels'. The solar panels use the same type of technology used in residential solar installations located commonly throughout Australia, however are larger in size. The solar panels will be installed on ground-mounted frames that will slowly track the daily horizontal movement of the sun.

The solar panels and horizontal tracking systems would be mounted in rows that would be electrically connected into arrays before being converted from direct current (DC) to alternating current (AC) electricity via containerised power conversion units (PCU). The electricity would then be fed via an underground, on-site, high voltage power reticulation system into the local electricity network. This connection is not part of the ACHAR.

Key elements

Key elements of the project will include:

- Installation of solar panels in regular arrays.
- Each solar panel will be fixed to a metal mounting structure. The mounting structure will be piled or screwed into the ground without the need for any concrete. The mounting structure will slowly and silently track (on a single axis) the horizontal movement of the sun. There is also an alternative option to install a fixed tilt mounting structure. Both mounting structure options would not exceed four metres in height, and both options would have the same construction impact.
- Above ground DC cabling will connect each module in a string (308,824 modules in total) to field combiner boxes mounted underneath the solar panels. The combiner boxes sit approximately one metre off the ground.
- Underground DC cabling would run from the combiner boxes to the central inverters.
- Central inverters, step up transformers and switchgear will be located in 40-foot containers on container skid pads. A PCU within each array will convert the DC electricity generated by the solar panels into AC electricity for connection to the electricity grid.
- Underground AC cabling will run from the PCUs to the solar substation.
- A main step up transformer and associated equipment in the solar substation will convert the on-site reticulated 33 kV electricity to 132 kV electricity for connection via high voltage cable to the nearby Mulwala substation where it would enter the local electricity network.
- Internal vehicle access tracks will be constructed from the entrance point to each PCU and to the solar substation to allow for maintenance of the site.
- Perimeter safety fencing will be established around the site and a fixed, closed-circuit television (CCTV) system established within the fence perimeter.
- Supervisory control and data acquisition (SCADA) systems will monitor the performance of the equipment. A site office and maintenance building will be installed.
- Temporary infrastructure will be put in place during site construction including the site compound and storage areas.

Potential for battery storage

The proposal also includes the potential for battery storage to be installed on site. Solar farms are an intermittent source of energy. Battery storage systems can be used either to smooth the fluctuating energy produced by the solar farm or to store the excess energy during low demand periods which can be subsequently used during higher demand periods or when solar energy in unavailable (e.g. at night).

The batteries can also compensate for frequency variations in the electricity network which are caused by intermittent renewable generators as well as fluctuations in consumption. Batteries can store electricity from the network or feed electricity into the grid in a matter of seconds and compensate for the fluctuations caused by renewables or resulting from power plant outage or irregularities in consumption.

Construction

The construction process for the project would include the following activities:

- Site access and establishment.
- Civil works: limited grading, compaction, stormwater drainage, sediment controls and dust suppression.
- Installation of the mounting structures: rows of driven piles would be pneumatically driven into the ground using specialist equipment, and steel mounting structures would then be attached to the piles. If required, ground screws may replace the need for driven piles.
- Installation of the solar panels onto the mounting structures.
- Installation and connection of the solar panels to the combiner boxes.
- Installation of the power conversion stations.
- Connection of the combiner boxes to the power conversion stations and underground cabling.
- Connection of the power conversion stations to form the onsite power reticulation system to evacuate power from the site.
- Grid connection works taking power from the onsite reticulation system to the local electricity grid.
- Commissioning and testing.

1.3 Authorship

This report was prepared by RPS Heritage Manager Erin Williams and RPS Graduate Heritage Consultant Laura Cross, with assistance provided by RPS Heritage Consultant Lucy Irwin and RPS Environment and Heritage Consultant Kylie McFadyen. The archaeological survey was undertaken by Laura Cross and RPS Senior Heritage Consultant Jeremy Hill, accompanied by LALC representatives. Aboriginal consultation for the project was undertaken by Erin Williams and Laura Cross. The report was reviewed by RPS Senior Heritage Consultant, Jeremy Hill (Table 2).

Table 2 Authorship of this report

Consultant	Role	Responsibility	Qualifications
Erin Williams	Senior Executive – Environment and Heritage	Aboriginal consultation	Master of Arts (Anthropology); Post Graduate Diploma (Anthropology); Bachelor of Arts (Anthropology)

Consultant	Role	Responsibility	Qualifications
Jeremy Hill	Senior Heritage Consultant	Project manager, report preparation, field survey, final review	Bachelor of Arts (Archaeology [Hons] and Anthropology), registered Heritage Advisor
Laura Cross	Graduate Heritage Consultant	Report preparation, field survey	Bachelor of Arts (Ancient and Modern History), Master of Professional Archaeology (current)
Kylie McFadyen	Environment and Heritage Consultant	Report preparation	BAppSci (Cultural Heritage Management), University of Canberra, Graduate Diploma of Education (P-12), La Trobe University, Albury-Wodonga
Lucy Irwin	Heritage Consultant	Report preparation	Bachelor of Arts, Ancient History (Greece Rome & Late Antiquity) Macquarie University

RPS acknowledges the assistance provided by all registered Aboriginal parties in the preparation of the ACHAR and the client, ESCO Pacific.

1.4 Compliance with Secretary's Environmental Assessment Requirements

The Secretary's Environmental Assessment Requirements (SEARs) for Mulwala Solar Farm (SSD 9039) were issued on 5 February 2018. Combined agency comments have also been provided.

Table 1 presents the relevant requirements and identifies where they are addressed in this report. A complete copy of the SEARs and combined agency comments are at Appendix 1.

Table 3 Compliance with SEARs and agency requirements

Authority	Requirement	Addressed in this report
Department of Planning and Environment	The EIS must address heritage, including an assessment of the likely Aboriginal and historic heritage (cultural and archaeological) impacts of the development, including adequate consultation with the local Aboriginal community.	For an assessment of impacts, see Aboriginal heritage impact assessment and Summary of findings, for consultation details see Section 3.
Aboriginal heritage (Section 3)		
Office of Environment and Heritage	The EIS must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the development and document these in an Aboriginal Cultural Heritage Assessment Report (ACHAR). This may include the need for surface survey and test excavation. The identification of cultural heritage values must be conducted in accordance with the Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH 2010) and be guided by the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (DECCW 2011) and consultation with OEH regional branch officers.	For a description of values, see Section 8, for survey details see Section 7, for guidelines in use for reporting see Section 2.
Office of Environment and Heritage	Consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR.	For guidelines in use for consultation see Section 2, for consultation details see Section 3.
Office of Environment and Heritage	Impacts on Aboriginal cultural heritage values are to be assessed and documented in the ACHAR. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the [EIS/EA] must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH.	For an assessment of impacts see Section 9, for mitigation, see Section 10.

Authority	Requirement	Addressed in this report
Office of Environment and Heritage	The assessment of Aboriginal cultural heritage values must include a surface survey undertaken by a qualified archaeologist in areas with potential for subsurface Aboriginal deposits. The result of the surface survey is to inform the need for targeted test excavation to better assess the integrity, extent, distribution, nature and overall significance of the archaeological record. The results of surface surveys and test excavations are to be documented in the ACHAR	For survey details, see Section 7.
Office of Environment and Heritage	The ACHAR must outline procedures to be followed if Aboriginal objects are found at any stage of the life of the [development/project] to formulate appropriate measures to manage unforeseen impacts.	For an unexpected finds procedure, see Section 10.
Office of Environment and Heritage	The ACHAR must outline procedures to be followed in the event Aboriginal burials or skeletal material is uncovered during construction to formulate appropriate measures to manage the impacts to this material.	For an unexpected skeletal material procedure, see Section 10.2.
Historic heritage (Section 11)		
Office of Environment and Heritage	The EIS must provide a heritage assessment including but not limited to an assessment of impacts to *State and local heritage* including conservation areas, natural heritage areas, places of Aboriginal heritage value, buildings, works, relics, gardens, landscapes, views, trees should be assessed. Where impacts to State or locally significant heritage items are identified, the assessment shall: 1. outline the proposed mitigation and management measures (including measures to avoid significant impacts and an evaluation of the effectiveness of the mitigation measures) generally consistent with the NSW Heritage Manual (1996), 2. be undertaken by a suitably qualified heritage consultant(s) (note: where archaeological excavations are proposed the relevant consultant must meet the NSW Heritage Council's Excavation Director criteria),	Sections 11 and 12. For qualifications please see Section 1.

Authority	Requirement	Addressed in this report
	3. include a statement of heritage impact for all heritage items (including significance assessment), 4. consider impacts including, but not limited to, vibration, demolition, archaeological disturbance, altered historical arrangements and access, landscape and vistas, and architectural noise treatment (as relevant), and 5. where potential archaeological impacts have been identified develop an appropriate archaeological assessment methodology, including research design, to guide physical archaeological test excavations (terrestrial and maritime as relevant) and include the results of these test excavations.	

This assessment has been prepared in accordance with relevant guidelines including:

- *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW [now OEH] 2010) (ACHCR),
- *Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW* (DECCW [now OEH] 2010) (Code of Practice),
- *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (DECCW [now OEH] 2011) (The Guide) and
- *NSW Heritage Manual* (Heritage Office and Department of Urban Affairs and Planning 1996) (The Manual).

2 Legislative context

The following overview of the legislative context for this project is provided solely for information purposes and should not be interpreted as legal advice.

2.1 National Parks and Wildlife Act 1974

The *National Parks and Wildlife Act 1974* ('NPW Act') protects Aboriginal sites, places and objects within New South Wales. Protection of Aboriginal heritage is outlined in s86 of the Act, as follows:

- *"A person must not harm or desecrate an object that the person knows is an Aboriginal object" s86(1).*
- *"A person must not harm an Aboriginal object" s86(2).*
- *"A person must not harm or desecrate an Aboriginal place" s86(4).*

Harm under the NPW Act is defined as any act that; destroys defaces or damages the object, moves the object from the land on which it has been situated, causes or permits the object to be harmed. However, it is a defence from prosecution if the proponent can demonstrate 1) that harm was authorised under an Aboriginal Heritage Impact Permit (AHIP) (and the permit was properly followed), or 2) that the proponent exercised due diligence in respect to Aboriginal heritage.

Under s89A of the NPW Act Aboriginal objects and sites must be reported to the Director-General (now Chief Executive) of the Office of Environment and Heritage within a reasonable time, unless it has been previously recorded and submitted to the Aboriginal Heritage Information Management System (AHIMS).

National Parks and Wildlife Regulation 2009

The *National Parks and Wildlife Regulation 2009* ('NPW Regulation') provides a framework for undertaking activities and exercising due diligence in respect to Aboriginal heritage. The Regulations outline Aboriginal heritage assessment and ACHCR requirements.

Aboriginal cultural heritage consultation requirements for proponents

Aboriginal consultation is regarded as an integral part of the process of investigating and assessing Aboriginal cultural heritage (OEH 2011, 2). The ACHCRs are the Office of Environment and Heritage guidelines for undertaking Aboriginal consultation, as required under Cl80C of the Regulations.

2.2 Heritage Act 1977

The *Heritage Act 1977* ('the Act') provides for the identification and protection of the State's environmental heritage. In addition to establishing the State Heritage Register, the Act includes provisions relating to Interim Heritage Orders, s170 Heritage and Conservation Registers, and the 'relics' provisions which protect archaeological sites.

To assist in the management of the State's non-Aboriginal heritage, the Act distinguishes between assets of State and local heritage significance:

- State significance refers to a site being significant to the State in relation to the historical, archaeological, architectural, cultural, social, natural or aesthetic value of an item.
- Local significance refers to a site being significant to the local area in relation to the historical, archaeological, architectural, cultural, social, natural or aesthetic value of an item.

2.3 Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act 1979* (EP&A Act) regulates a system of environmental planning and assessment in New South Wales. Land use planning requires that environmental impacts are considered, including the impact on Aboriginal and non-Aboriginal heritage. Division 4.1 of the Act defines State Significant Development (SSD), which generally includes large-scale or complex projects that may involve significant environmental impacts. A development can become SSD in one of two ways:

1. It can be declared to be SSD under the *State Environmental Planning Policy (State and Regional Development) 2011*; or
2. It can be declared SSD by order of the Planning Minister.

Under s89J of the Act, a range of approvals and legislation does not apply to an SSD which has been granted approval. This includes Aboriginal Heritage Impact Permits under s90 of the *National Parks and Wildlife Act 1974*, and approvals under Part 4 or excavation permits under s139 of the *Heritage Act 1977.*

Once the Minister's Conditions of Approval are issued for a project, any environmental assessment or mitigation requirements are taken to be part of the project approval.

State Environmental Planning Policy (State and Regional Development) 2011

The State and Regional Development State Environmental Planning Policy (SEPP) sets out categories of development that will qualify as SSD. Development is declared to be SSD if the development on the land concerned is, by the operation of an environmental planning instrument, not permissible without development consent under Part 4 of the *Environmental Planning and Assessment Act 1979* and is specified in Schedule 1 or 2 of the SEPP.

Schedule 1 of the SEPP identifies "Electricity generating works and heat or co-generation" that has a capital investment value of more than $30 million as SSD. The proposed Mulwala Solar Farm has a capital investment value of $130 million.

Draft Large-Scale Solar Energy Guideline

The New South Wales government supports the sustainable development of a solar industry and is establishing greater consistency and transparency in regulation and assessment of solar developments in the state. The Draft Large-Scale Solar Energy Guideline was on exhibition until 16 February 2018, and seeks to provide the community, industry and regulators with guidance on the planning framework for the assessment and approval of large-scale solar energy development proposals under the EP&A Act.

The guideline outlines the key assessment issues for state significant solar energy projects, such as land use conflict, biodiversity and visual impacts. It also seeks to encourage genuine and early consultation with the community and stakeholders, consistent with best practice engagement principles.

The guideline makes consultation with members of the local Aboriginal community a requirement for large-scale solar projects.

Part 1 Aboriginal cultural heritage

3 Aboriginal consultation

Aboriginal consultation is a requirement of the SEARs and the Office of Environment and Heritage have explicitly requested consultation consistent with the ACHCRs.

Aboriginal consultation undertaken for this project is summarised in this section and documented in Appendix B.

3.1 Aboriginal consultation in accordance with the ACHCR

Aboriginal consultation under the ACHCR includes a four stage Aboriginal consultation process that stipulates specific timeframes for components of each stage.

Stage 1: Identifying Aboriginal stakeholders to be listed as registered Aboriginal parties

This stage requires that Aboriginal people who hold cultural information are identified, notified and invited to register an expression of interest in the assessment. This identification process should draw on reasonable sources of information including: The Registrar (*Aboriginal Land Rights Act 1983*), the relevant Office of Environment and Heritage Regional Office, the Local Aboriginal Land Council, the National Native Title Tribunal, the Native Title Services Corporation Limited, the relevant Local Land Services and the relevant local council. The identification process should also include an advertisement placed in a local newspaper circulating in the general location of the project area. Aboriginal organisations and/or individuals identified should be notified of the project and invited to register an expression of interest for Aboriginal consultation. Once a list of Aboriginal community stakeholders has been compiled from the expression of interest process, they need to be consulted in accordance with Stages 2, 3 and 4 of the ACHCR.

In accordance with Stage 1 of the ACHCR, letters were sent on the 9th of February 2018 to the Griffith OEH office, the Registrar of Aboriginal Owners NSW, the Native Title Tribunal, Native Title Services Corporation Limited, the Federation Council, the Murray Local Land Services and to the Cummeragunja Local Aboriginal Land Council requesting the identification of interested Aboriginal groups.

Advertisements inviting expressions of interest from Aboriginal stakeholders were placed in the following newspapers:

- Shepparton News on the 16th of February 2018,
- Southern Riverina News on the 21st of February 2018,
- Cobram Courier on the 21st of February 2018 and
- Yarrawonga Chronicle on the 21st of February 2018.

Letters inviting expressions of interest were sent to eight Aboriginal organisations on the 5th of March 2018 as a result of feedback from the notification process (Appendix B)

The following organisations have been identified as Registered Aboriginal Parties (RAPs) for the project (Table 4).

Table 4 Registered Aboriginal Parties for Mulwala Solar Farm

Name of group	Contact	Date of expression of interest
Cummeragunja Local Aboriginal Land Council	Rebecca Atkinson	6/03/2018
Bundyi Aboriginal Cultural Knowledge	Mark Saddler	5/03/2018
Bangerang Aboriginal Corporation	Kevin Atkinson	8/03/2018

Stage 2: Providing project information

Stage 2 requires that project information is provided to Aboriginal community stakeholders by the proponent. Relevant project information may include an outline of the project activities, proposed impact areas and environmental assessment process. The presentation of the project information should be documented and include any agreed outcomes with the Aboriginal stakeholders. In some instances, depending on the nature, scale and complexity of the project, the proponent may create the opportunity for Aboriginal stakeholders to visit the project site and/or may conduct additional project information sessions. The project information was provided to the registered Aboriginal parties on 5 March 2018 (Appendix B).

Stage 3: Gathering cultural information

The purpose of Stage 3 is to gather information regarding cultural significance. The aim is to facilitate a process by which Aboriginal community stakeholders can have input into the heritage assessment methodology and management options, and provide information on the cultural significance of Aboriginal objects or places within the project area or that may be affected by the project. The proponent must provide a proposed methodology for the cultural heritage assessment and allow a minimum of 28 days to respond. If needed, protocols for the appropriate handling of culturally sensitive information may need to be developed with the Aboriginal community stakeholders.

The proponent must also seek the views of the Aboriginal community stakeholders on potential management options for Aboriginal objects or places. These protocols have been outlined in the Recommendation 1 Unexpected Find Protocol and Recommendation 2 Skeletal Remains Protocol (Section 10.2).

Three RAPs registered their interest in the Mulwala Solar Farm project: Cummeragunja LALC, Bangerang Aboriginal Corporation and Bundyi Aboriginal Cultural Knowledge. All were invited to provide feedback on the survey methodology prior to the archaeological investigation taking place. There were no comments or recommendations regarding the survey methodology provided by stakeholders prior to the survey commencing.

Prior to the fieldwork commencing, Freddie Dowling, a representative from Bangerang Aboriginal Corporation was contacted via phone call to discuss the potential for Aboriginal cultural heritage within the area. The comments provided have been outlined below.

The archaeological survey was conducted with representatives of Bangerang Aboriginal Corporation Kevin Atkinson and David Edwards; Mark Sadler from Bundyi Aboriginal Cultural Knowledge and Neville Atkinson and Roland Atkinson from Cummeragunja LALC on the 19th of April 2018.

A pre-fieldwork meeting and site induction was conducted on site on the 19th of April 2018. A review of the maps of the Mulwala Solar Farm project area was undertaken including examination of previously recorded Aboriginal sites from AHIMS in the regional context and a group discussion of the survey methods to be undertaken. Potential mitigations and recommendations for heritage were discussed on site with the three RAPs to determine the existence of any cultural information relevant to the project and any confidential cultural information that should not be made public. The registered Aboriginal parties did not express any objections to the survey methods to be undertaken. Section 0 outlines the cultural information gathered during the fieldwork.

A post-fieldwork meeting was conducted at the end of the survey on the 19th of April 2018 to outline and confirm the areas which had been surveyed and to discuss the assessment of significance for the project area in conjunction with *The Guide* OEH guidelines (2011, 7-11). An assessment of significance has been developed in this report in consultation with both Aboriginal parties.

Cultural information gathered during Stage 3

The following information was gathered during the fieldwork.

1. Although there were few trees within the survey boundaries this does not mean that old native trees did not exist there prior to the agricultural activities. It would be expected that the old trees were removed for agricultural purposes. Neville Atkinson outlined that the lack of scarred trees throughout the survey area was to be expected as the survey areas are located too far from the Murray River where there would be a stronger presence there. This distance of the project area to the Murray was also indicative of the lack of mounds present according to Neville as habitation would have occurred closer to the permanent water source.
2. There was one suspected scarred tree located in the access corridor of Lambruck Lane. The tree was assessed by Mark Sadler to be of the right age and height and the scarring reflected the creation of a coolamon, used as a carrying device for food, water or a small child. Neville Atkinson provided an alternative opinion and did not identify the suspected tree as being culturally scarred. In addition, Roland Atkinson highlighted the questionable nature of culturally scarred trees and the difficulty and doubt that often surrounds their identification. The suspected scarred tree was later recorded by Mark Sadler and registered with AHIMS, site 55-5-0132 with an additional scarred tree identified and recorded, site 55-5-133. It must be noted that RPS did not support the recommendation for the registration of site 55-5-0132 due to determination of the scar being the result of a limb tear. Lambruck Lane is not included in the Mulwala Solar Farm development footprint and as a result the recorded scarred trees will not be impacted by the proposed works, however a no-go zone has been established to ensure that no harm will occur.
3. The fieldwork revealed the project area was once a resource rich zone. Mark Sadler highlighted that the presence of dunes in the southern portion and the low-lying swamp in the north may have provided a place of habitation. This was supported by the presence of Nardoo or the “four leaf clover” that was ground down to make flour and bread and acted as a valuable resource throughout the region. This area was later confirmed and recoded with AHIMS as an Aboriginal resource and gathering site, site 55-5-0134. This area is located outside of the development footprint. It was recommended that this site be discussed in the cultural awareness training done so by members of the local Aboriginal community.
4. With to the presence of archaeological remains visible on the ground surface, it was strongly recommended by Kevin Atkinson that due to the highly disruptive nature of the proposed activity it would be necessary that a cultural officer or heritage advisor supervise stages of construction. Kevin emphasised the need for supervision during excavation as there may be archaeological material present beneath the ground surface.

5. Due to the fragmentary nature of the archaeological finds present within the project area, Kevin commented that these were more than likely dropped or discarded while passing through the area. In addition, Freddie Dowling commented via phone consultation that the area lacks stone resources and that anything found would be used in trading for stone knives and axes. Freddie Dowling stated that there would have been more sites identified closer to the Murray and the distance of this site limits the future possibilities in identifying further archaeological remains.

Stage 4: Draft report

This stage requires that the proponent prepare a draft ACHAR and provide a copy to the registered Aboriginal stakeholders for comment. A minimum of 28 days must be provided for the registered Aboriginal stakeholders to comment on the draft report. The draft report was submitted to the Aboriginal stakeholders for review and their comments are included in Appendix B. To finalise the report the proponent must consider the submissions made by the registered Aboriginal stakeholders and include the proponent's response to each submission. The finalised report must be provided to the registered Aboriginal stakeholders and the relevant Local Aboriginal Land Council. The log of Aboriginal consultation is provided in Appendix B.

Registered Aboriginal party submissions

Upon receiving the draft ACHAR report for review, the RAPs provided feedback and recommendations. The submissions made by the registered Aboriginal stakeholders and the proponent's response to each submission is outlined in Table 5.

Comments from Mark Sadler on behalf of Bundyi Aboriginal Cultural Knowledge were submitted in writing on 19 June 2018. The full report and comments are attached in Appendix E.

A comment from Kevin Atkinson on behalf of Bangerang Aboriginal Corporation was submitted verbally on 19 June 2018. The comment is outlined below.

A comment from Rebecca Atkinson on behalf of Cummeragunja Local Aboriginal Land Council was submitted on 20 June 2018. The comment is outlined below.

Table 5 RAP submissions

Stakeholder Group	Recommendation	Response
Bundyi Aboriginal Cultural Knowledge	Mark Sadler has requested that the areas containing the "Aboriginal bush tucker" plant Nardoo be protected as they are indicative of an old wetland system.	The area in which the suspected old wetland is situated is within a no-go zone and is not included in the development footprint. This site will not be impacted.
	Mark Sadler has requested that vehicles, cattle and horses be restricted throughout the areas containing isolated artefacts due to the potential damage they may cause.	There will be no cattle or horses within the development footprint. The development footprint will be limited to the grazing of sheep to allow agricultural land use to continue, while providing a fire and weed management.
	Mark Sadler has requested that the scar trees be protected by an exclusion zone with fencing to avoid livestock damage.	The mitigation measure for these sites is through individual no-go zones established through the installation of high visibility fencing.

Stakeholder Group	Recommendation	Response
	Mark Sadler has requested that the planting of native trees takes place, particularly Buloke, to encourage bird life throughout the area.	This request will be forwarded to the client, ESCO Pacific, for consideration as part of the Landscape Management Plan (LMP).
	Mark Sadler recommends that any Aboriginal sites that have been recorded and need to be moved should be done so in the presence of an Elder or community member.	A surface salvage of isolated artefacts 55-4-260/55-4-0259; 55-5-0140 and 55-5-0139 situated within the development footprint will take place with recommendation to engage with local RAPs.
	Mark Sadler recommends that all workers on site be provided with cultural awareness training done by the local Elders or community members.	In accordance with NPW Act, all relevant personnel, contractors and subcontractors will be made aware of legal obligations for Aboriginal cultural heritage through an onsite toolbox talk/cultural heritage induction prior to works commencing.
	Mark Sadler recommends that any Aboriginal sites that are removed must be returned and placed back into country by local Elders.	A surface salvage of the isolated artefacts 55-4-260/55-4-0259; 55-5-0140 and 55-5-0139 will take place by local Elders.
	Mark Sadler requests that during construction there is to be a monitor from the local Aboriginal community to assist in the works and record any new sites during the development process.	This request will be forwarded to the client, ESCO Pacific, for consideration.
	Mark Sadler requests that ten percent of workers on site be employed from the local Aboriginal community.	This request will be forwarded to the client, ESCO Pacific, for consideration.
Bangerang Aboriginal Corporation	Kevin Atkinson requested that should works take place within the sensitive landforms a monitor is required throughout the construction process.	The sensitive landforms have been marked as a no-go zone and works will not take place within these areas. See Figure 6.
Cummeragunja Local Aboriginal Land Council	Rebecca Atkinson suggests that a monitor is required throughout the construction process due to the disruptive nature of the proposed works.	This request will be forwarded to the client, ESCO Pacific, for consideration.

4 Aboriginal heritage context

The Aboriginal cultural heritage context has been supplemented by a recent search of the Aboriginal Heritage Information Management System (AHIMS) and the Aboriginal Cultural Heritage Register and Information System (ACHRIS) for the project locality.

4.1 Aboriginal Heritage Information Management System

A search of the AHIMS database was undertaken on 26 February 2018 for the following coordinates:

Datum: Zone 55 GDA94

Eastings: 401969 – 416387

Northings: 6010924 – 6028357

Buffer: 50 metres.

Six Aboriginal Sites were registered within the searched area, none of which were located within the project area. Of these, modified trees were the most common followed by two burials and Potential Archaeological Deposits (PADs). The closest site cluster, comprising the PAD and two modified trees is located three kilometres south of the project area and less than twenty metres from Lake Mulwala. The burials are located approximately three and a half kilometres south of the project area. There is one isolated modified tree located approximately two kilometres south of the project area.

4.2 Aboriginal Cultural Heritage Register and Information System

As the project area is located in close proximity to Victoria, an ACHRIS search was also undertaken. While an ACHRIS search is not a statuary requirement of an ACHAR, it has been undertaken in order to inform site distribution patterns of registered Aboriginal Sites to the south of the project area.

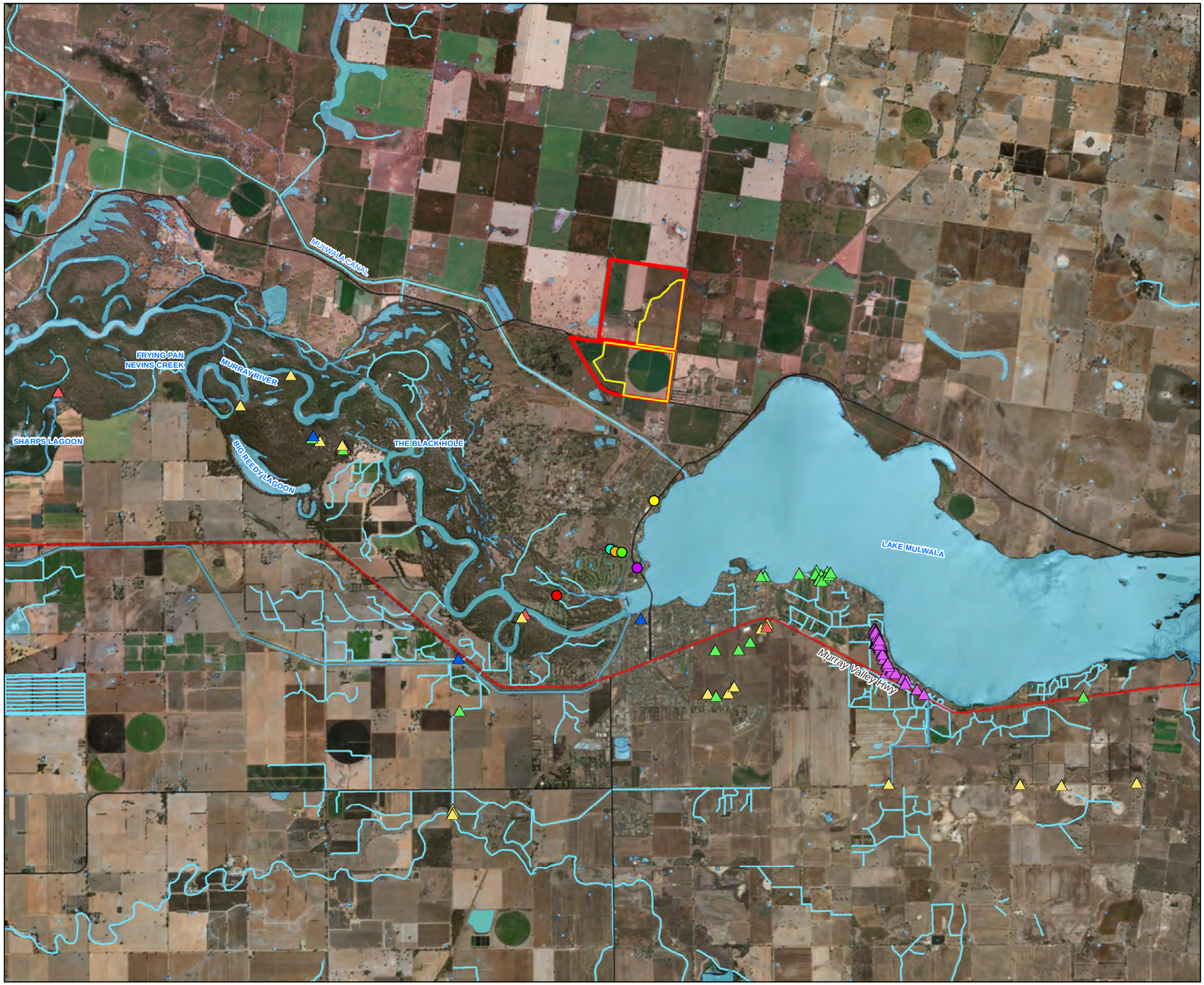
A search of the ACHRIS was undertaken on 26 February 2018 using a five kilometre radius search area around the project area.

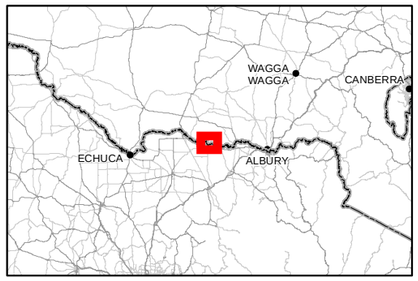
211 sites have been registered in this area, none of which are in the project area. Of these, the Low-Density Artefact Distributions (LDADs) were the most common, followed by artefact scatters, scarred trees, burials, earth features and one shell midden.

The combined results of the ACHRIS and AHIMS search are displayed in Table 6 and Figure 2.

Table 6 Combined results of Aboriginal sites in the project locality

Site type	Number	Per cent
Low Density Artefact Distribution	162	74%
Artefact Scatter	21	10%
Modified Tree (Scarred)	21	10%
Aboriginal Ancestral Remains (Burial)	6	2.7%
Earth Feature (Mound/Hearth)	5	2.3%
Shell Midden	1	0.5%
Potential Archaeological Deposit	1	0.5%
Total	**217**	**100%**





LEGEND

- Development Footprint
- Project Area
- Waterbody
- Watercourse
- Highway
- Arterial Road

AHIMS

- Capri Waters Resort Burials
- MWTP 1
- MWTP Scarred Tree 1
- MWTP Scarred Tree 2
- Mulwala Pre-School 1
- Mulwala Scarred Tree 1

ACHRIS

- Aboriginal Ancestral Remains (Burial)
- Artefact Scatter
- Earth Feature
- Low Density Artefact Distribution
- Scarred Tree
- Shell Midden

N

0 1 2 3 4

Kilometers

APPROX SCALE 75,000 @ A3

GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use.

DATA SOURCES

Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.

Watercourse data provided by DELWP 2018.

Imagery from Esri basemap layer.

RPS

Figure 2
Site Distribution Map
Mulwala Solar Farm

4.3 Local Aboriginal heritage studies

This section summarises a selection of Aboriginal heritage studies which have been undertaken in the local area, in both New South Wales and Victoria. This coupled with the AHIMS and ACHRIS searches and the environmental context will be the basis for preparing a predictive model.

Thompson, C. 1996: An Archaeological Survey of North East Victoria. Aboriginal Affairs Victoria.

The survey was conducted over eight weeks, with a selected transect covering a 20-kilometre-wide strip along the Ovens River from its headwaters to the confluence with the Murray River, east of Yarrawonga. The survey was approximately 150 kilometres long and ran through three different environmental units: the Murray Basin Plain, the Foothills and Eastern Highlands. A total of 111 sites were recorded, comprising of 69 scarred trees, ten artefact scatters and 32 isolated artefacts. The artefacts were comprised of silcrete (84%), chert (4%) and quartzite (3%) providing insight into the extensive use and distribution of these materials, particularly silcrete, as lithics throughout the broader region. Most of the scarred trees were located on the Riverine Plains of the Murray River. Stone artefacts were located on the Riverine Plains and in the Eastern Highlands, again mostly near water sources. Similar in nature to the native vegetation that covered the project area, the scarred tree within the survey area were identified as being present within the box woodlands/forest. As the project area has been subject to clearing for grazing and agricultural activities, the chances of scarred trees surviving in the area is greatly reduced. However, there is the potential for the implements used in the creation of the materials from the scarring of trees to remain within the vicinity. Located within ten to 15 kilometres south-east of the project area were seven of the registered scarred trees, ten of the isolated artefacts and two registered artefact scatters. While the scope of this project encompasses a broad region, not all of which is in the vicinity of the project area, the similarity in landforms and conditions reflects a potential for a broad distribution of artefacts to potentially be present within the current project area. This survey provides valuable evidence as to the extensive use and history of this regional landscape and highlights the importance, through presence of habitation, for Aboriginals along the Murray.

Austral Heritage Consultants. 1997: The Proposed Brownings Road Diversion Drain, Yarrawonga.

A field survey was conducted for the proposed diversion of the drain route in 1997, located approximately seven kilometres south west of the current project area. Most of the proposed drain route was conducted through pedestrian survey. The area was very disturbed, and the visibility was extremely low. A total of four Aboriginal sites were identified during the survey, comprising of one isolated stone artefact and three scarred trees. The stone artefact was located beneath an isolated grey box tree next to a swampy depression. The artefact was a large basalt hand stone which showed some evidence of use wear through as a pounder and anvil. Of the scarred trees, two occur within a small stand of grey box and the third scarred tree was described as a ‘classic’ small canoe type. The small scatters of trees present within the current project area may show signs of scarring as they have survived the cultivation and clearing of the land on which they lie. The identification of the artefact, although potentially out of original context, provides insight into the opportunity in finding lithics present within the project area, through their use in the scarring of trees or further manufacturing of goods within the area.

Terra Culture. 2001: A Heritage Assessment of Proposed Works Areas, Yarrawonga Weir.

An archaeological assessment was carried out on foot by a small team at a section of Burley Road and Yarrawonga Irrigation Channel, Yarrawonga. Survey transects were walked along the existing tracks crossing Gorman Park, approximately four kilometres south of the current project area. Linear transects were then walked across the entire study area. The ground surface visibility was generally extremely poor across the project area as the majority was either swampy or covered in thick grass.

One archaeological site was located during the survey. Gorman Park, approximately four kilometres from the current project area contained one scarred tree. The scar occurs on the north face of a mature red gum and is approximately 80 centimetres in length. The scar could not be accurately measured due to its high location on the trunk. The scar is most likely derived from the removal of bark for a coolamon (container) (2001, 16-17). The close proximity of this site to the current project area and the similarity in visibility and conditions may suggest a potential for scarred trees to be present. Due to the significantly altered landscape of Gorman Park through the construction of the weir wall and alterations to the natural environment, additional archaeological remains may have been lost or destroyed in the process. In relation to the current project area, this site is valuable as it may suggest that archaeological remains and scarred trees in particular may be present within the project area.

Andrew Long & Associates. 2008: Silverwoods Residential and Resort Development, 8656 Murray Valley Highway, Yarrawonga. Aboriginal Cultural Heritage Management Plan.

An archaeological field survey and additional sub-surface testing were conducted by Andrew Long & Associates in 2008. The survey area included approximately 16 hectares of land bounded by Lake Mulwala to the north, residential properties to the east, farmland to the south and Silverwoods Stage 1 development to the west. The survey area was approximately five kilometres south east of the current project area. The survey strategy was dictated by generally low ground surface visibility and targeted the relatively limited distribution of surface exposures across the activity area, such as graded areas, vehicle tracks and erosion features. A total of four sites were recorded during the survey. Two Aboriginal sites were recorded and identified with a distinct concentration on a section of former riverbank associated with the Murray River channel at the 'Point.' A silcrete flake, six quartz flakes and two quartz flaked pieces were identified closest to the current Murray watercourse. Two other artefact scatters, one containing a silcrete flake, were located between 50-100 metres away near a man-made dam in the project area. Additional sub-surface testing with four 1x1 metre test pits to a depth of 300mm were excavated in two phases in the project area. A total of nine stone artefacts were identified, comprising of a silcrete flake, six quartz flakes and two quartz flaked pieces. The artefacts were identified at a depth range of 80-170mm. It was considered that prior land use activities constituted a significant level of disturbance to the majority of the ground surface within the project area. Consequently, this resulted in the removal of surface manifestations of archaeological sites such as artefact scatters through laser grading and extensive disturbance above and below ground surface (2008, 42-61). Parallels between the current project area and this past archaeological survey can be drawn as the similarities in land-use history and environmental conditions, along with the close proximity of the sites may provide evidence for the potential in identifying archaeological deposits or surface scatters in the current project area.

Jo Bell Heritage Services. 2011: Proposed Water Main and Reticulation Network, Murray Valley Highway, Yarrawonga to Bundalong Cultural Heritage Management Plan.

A field survey and additional excavation was undertaken in 2011 by members of Jo Bell Heritage Services covering a project area that ranged between five to 15 metres wide on foot by the team in linear transects along the 13.7 kilometres of pipeline. The survey was conducted throughout Gorman Park, approximately four kilometres south of the current project area. The activity area comprises of a flat to gently undulating landscape, similar in nature to the current project area. A total of three test pits and 15 shovel probes were excavated in the project area.

A total of 24 artefacts were recovered. All artefacts identified in test pits were quartz and located between the depth of 0 and 250mm. One stone tool was identified as a utilised quartz flake. The highest distribution of artefacts, comprising of 17 quartz artefacts were identified in one test pit, was located approximately ten kilometres from the project area. These artefacts originated from a highly disturbed context and provide evidence as to the potential in identifying Aboriginal sites located within the current project area, despite the land use history and disruption the area has faced. Additionally, this survey and the identified artefacts reveal the strong presence of quartz in the region and the potential to identify quartz within the project area.

4.4 Ethno-historical accounts

There has been little previous research into the occupation of Aboriginal people throughout the Murray River region, with the majority of information largely derived from a small number of observations made during the early period of European settlement. As a result, limited written information is available regarding the pre-contact way of life for Aboriginal people in the local area. Information about Aboriginal pre- and post-contact history is primarily located in nineteenth century ethnographic records. The information gathered, while limited in nature, does provide valuable insight into the customs, traditions and way of life of the Aboriginal communities who lived and travelled within the region.

Ethnographic observations indicate that the Yorta Yorta, also known as Jodajoda or Bangerang language group occupied the project area and surrounding region. Traditional Yorta Yorta land stretches along the Murray and Riverina zones of Central Victoria, including towns such as Echuca, Shepparton, Benalla, Corowa and Wangaratta and extended northwards to just south of Deniliquin.

Note on historical sources

Ethnographic accounts from along the Murray and surrounding region provide evidence of the subsistence patterns and traditional social and cultural practices of the Aboriginal communities occupying or passing through the project area. A collection of the sources available within the project area have been outlined below. It must be noted that, while valuable, these sources are biased in nature and constructed through a Eurocentric lens, therefore they must be approached cautiously.

E.M. Curr, an early stock inspector is a significant source of information regarding the practices of the Bangerang people and those of the Murray region. Between the years of 1841-1850, Curr resided at Tongala and Lower Moira, approximately 80 kilometres west of the project area, where he extensively described many aspects of the Aboriginal way of life in his 1883 Recollections of squatting in Victoria, from 1841 to 1851. Curr noted that in 1841 there were at least 1200 Bangerang but that by 1851 this number had greatly decreased, due to what he believed to be smallpox (Curr 1968, 234-9).

Peter Beveridge is another notable source of, having settled near Swan Hill and being fluent in several Aboriginal languages. Beveridge, over many years observed and documented Aboriginal life along the Murray, Murrumbidgee and Darling River which he published in a series of studies on different customs in The Aborigines of Victoria and Riverine (Frankel & Major 2017, 18). Furthermore, R. Brough Smyth (1830-1913) was an official in the mining industry and prepared many reports and catalogues. From 1860 he was the Honorary Secretary of the Board for the Protection of Aborigines. In this capacity he collected information from numerous sources which were included in the two volume The Aborigines of Victoria published by the Victorian Government in 1878 (Frankel & Major 2017, 19).

Additionally, James Dawson provides valuable insight as he was appointed the Local Guardian of the Aborigines in Camperdown Victoria in 1876. While positioned over 300 kilometres south of the current project area, the relationship forged between Dawson and the Aboriginal informants in the area is critical in understanding the approach he takes to their portrayal that was later published in 1881.

While the sources are limited in the accounts they offer, they provide valuable information in understanding the subsistence and occupation patterns of the Aboriginal people of the broader Murray and how these may have played out in the project area.

Social Organisation

The fundamental unit of Aboriginal social organisations throughout Victoria and New South Wales was the clan: a group based on kinship through the male with a shared historical, religious and genealogical identity. The clan did not consist of a single unit; rather it represented the accumulation of independent groups, each consisting of a number of families. The clan was a land-owning unit whose territory was defined by ritual and economic responsibilities. Groups of neighbouring clans speaking the same dialect and sharing political and economic interests identified themselves by a language name (Barwick 1984, 110-6). The basic land-using unit is the band. This is commonly composed of a number of related men and their families, but its membership is quite fluid and may vary considerably according to seasonal availability of food and water. The 'range' over which the band normally forages would include the clan estates of its members. The complex web of relationships to land and other people and the rights and obligations that this entails also permits access to resources of other estates (Stanner 1965). According to Curr, Aboriginal people living along the Murray River practiced a hunter/gatherer economy, although evidence suggests that the richness and abundance of resources of the Murray Valley may have allowed groups in this area to be more sedentary (Curr 1886).

Curr describes the living arrangements and the distinct roles of men and women:

> *When several families were camped together at a spot at which they proposed to remain for a few days, the custom was for the women to leave camp an hour or two after sunrise for the purpose of getting roots and vegetables, catching shrimps or prawns, digging out rats, and carrying on other avocations of the sort. Generally, their absence from the camp was about six hours, half of the time being loitered away in the shade or by the fire, according to the season, when they returned with a heavy load of food. It was when camped in this way for several days at a place that weapons and ornaments were manufactured, and games played. The men used to start out to hunt in threes and fours shortly after the women had left the camp, and returned at about the same time. The ordinary business of the married men was to see to the safety of the family, procure meat or fish, and opossum skins enough to keep them clad (Curr 1883, 118).*

Resources

The diet of Aboriginal people in the Murray Valley would have been seasonally diverse and plentiful as a wide range of animal and plant food has been recorded throughout the region. Of those available were fish, ducks, possums, kangaroos, wombats, birds, snakes and eggs, and plant staples. According to Curr, fishing weirs were owned by individuals of the Bangerang. These weirs were located on the channels where floodwaters would flow back in the Murray River (1968, 243). Curr describes the diet of the Bangerang as:

> *Varied – somewhat poor, but not insufficient. The standing dishes were roots of several sorts, opossums and fish. Emu and kangaroo were scarce and but rarely obtained, whilst among the minor plants may be mentioned manna, eggs, kangaroo-rats, field-rats, birds of every sort, tadpoles, grubs, snakes, the larvae of ants, and one or two wild fruits of inferior description (1883, 120).*

In addition, Hawdon supports the wide range of vegetation and native animals living in abundance by the lagoons and plains (1838, 17). Hawdon goes on to provide information on subsistence patterns through his encounters with Aboriginal tribes along the Murray. Hawdon notes that his party passed the fires of a Aboriginal encampment, but met with none of the inhabitants, rather it was evident of their presence through the 'heap of muscle (sic) shell we saw piled on the banks of the river, and from the number of trees that had been "barked"' (1838, 17).

Further supporting the image of habitation and hunting practices by the Murray River, Curr details the practices and tools of the Bangerang people in hunting. According to Curr, the Bangerang were successful in catching fish and water fowl in the weirs through an array of nets, entering the water with short barbed spears and diving for their prey. Their success was noted by Curr as they took 'half-a-pound to sixty pounds' (Curr 1968, 240) of fish with this technique. Curr further notes that occasionally the Bangerang obtained fish by poisoning the water of some small lagoon, done so by 'throwing into it a quantity of fresh gum-tree boughs, as the result of which, in a few hours, the fish died and came to the surface (Curr 1968, 240-1).

Dawson's description of clay ovens provides some information on cooking methods:

> *Ovens are made outside the dwelling by digging holes in the ground, plastering them with mud, and keeping a fire in them until quite hot, then with drawing the embers and lining the hole with wet grass. The flesh, fish or roots are put into baskets, which are placed in the oven and covered with more wet grass, gravel and hot stones, and earth, and kept covered till they are cooked. This is done in the evening; and, when cooking is in a common-which is generally the case when many families live together- each family comes the next morning and removes its basket of food for breakfast (Dawson 1881, 17).*

For the construction of canoes, shelters, shields and containers, Aboriginal people of the Murray River region made extensive use of the different types of tree bark. Red gum bark was reportedly the preferred material used in the construction of canoes, whereas the bark of box trees, such as those found in the project area were to be the best for making shields (Smyth 1878, 330; 412). Smyth described the process used by Aboriginal people to choose and remove bark from a tree for the purpose of making a canoe:

> *It must be a large tree; and it must lean and be curved, so as to admit of a piece of bark being taken off in such a form as not to need much manipulation...the bark is cut...and by presenting the wooden handle of the tomahawk and a pole between the bark and the wood, the sheet is gradually and carefully removed (Smyth 1878, 407).*

Inter-tribal Relations

Clans would have gathered regularly for a variety of reasons, such as the settling of disputes, arranging marriages, celebrating the arrival of a particular food species and for trade. People living along the Murray River traded reeds (suitable for spear-making) with neighbouring clans in exchange for ochre, gum and stone suitable for making tools (Beveridge 1889, 56). Curr provides an insight into the trading relationship and resourceful nature of the neighbouring tribes of the project area:

> *They seem to have been unacquainted, generally, with the use, as a food, of the clover-fern, Nardoo, though the natives of the north-western parts of Victoria must have had intercourse with the tribes who use it, and could have obtained it, sparingly, from the lagoons in their own neighbourhood (1883, 228).*

Additionally, Curr alludes to the lengths of communication and shared experiences of the neighbouring tribes within the vicinity of the project area. Meeting places on neutral ground took place at the intersection of tribal boundaries. Such places were usually connected with seasonal foods and the meetings also provided the opportunity to cement inter-tribal relations. Analysis of food remains indicates the popularity of a site and its potential to be a meeting ground (Atkinson & Berryman 1983, 37). In order to arrange such meetings, Curr details the role of the 'postmen' in the Bangerang tribe. There was a messenger 'who went from one tribe to another to arrange the times and places of meetings and corroborees, and also to gather news' (Curr 1883, 132).

The relationship between tribes in circumstances of war revealed the very distinct and finite territories that existed. The different tribes that made up the Bangerang group, identified as the Moirathban, Toolinyagan, Wolithiga, Kailthban, Ngarrimowro, Angootheraban and the Pikkolatpan tribes have been described by Curr as thoroughly independent within the limits of [their] own territory...[but] they were virtually one for the purposes of war' (Curr 1883, 246). Curr provides further evidence of this intricate relationship:

> *Tribes in association are in the habit of uniting for the purpose of making war on other associations...the Bangerang and kindred tribes were allowed to take refuge on one another's territory (Curr in Howitt 1904, 252).*

Furthermore, the relationship between the Bangerang and the neighbouring Nguraialum tribe to the south has been addressed by Curr. This description provides valuable insight into the practices and subsistence patterns that would have taken place within the landscape surrounding the project area.

> *Of the Bangerang and Nguraialum that the boundaries between them were indefinite. Not being good friends, each kept well within its own limits, so that there was a neutral strip of four miles wide between them, over which both hunted sometimes, but did not camp there at night (Curr in Howitt 1904, 72).*

In addition, while Fraser refers more broadly to the tribes of New South Wales, his account provides in an idea of the physical boundaries and recognised territories of the varying tribes:

> *It is well known here that each tribe had its own 'taurau' – territory or hunting ground – usually determined by natural boundaries, such as mountain-ridges and rivers; any transgression of these limits was regarded by the adjacent tribe as a 'casus belli,' would at once lead to hostilities (1892, Chapter VIII).*

Through the range of accounts, it is clear that the Bangerang tribe of the project area were engaging with the neighbouring tribes. Contact within the project area and broader region between neighbouring tribes in times of hostility and for the trading of resources and ceremonies occurred and has been documented for contemporaries to reconstruct the subsistence patterns and tribal relations to better understand the history of use in the project area.

Burials

Little is known about ceremonies associated with burials in the broader area. Burials were thought to have generally occurred in specific burial grounds. Curr also observed among the Bangerang the widespread custom of not speaking the name of the dead '*under any circumstances'* (Curr 1883, 272). An observation by Curr describes Bangerang burial practice as follows:

The Bangerang mode of burial had nothing remarkable about it. The dead were rolled up in their opossum-rugs, the knees being drawn up to the neck with strings, when the corpse was interred in a sitting posture, or on its side, generally in a sand-hill, in which a grave about four feet deep had been excavated. A sheet of bark was then placed over the corpse, the sand filled in, and a pile of logs about seven feet long and two feet high was raised over all. Round about the tomb it was usual to make a path, and not unfrequently a spear, surmounted by a plume of emu feathers, stuck at the head of the mound, marked the spot where rested the remains of the departed. Women were interred with less ceremony.

Dreaming

It is believed that ancestral beings created the foundations of human life, including the physical features of the land along with the sun and moon. Life as it was known stemmed from these ancestral being and the stories of this creation period were passed down through generations. One dreaming story that has survived regarding the creation of the Murray River is as follows: Baiami, or Bunjil the sky hero who lived in the land beyond the sky sent his old *lubra* (Aboriginal woman) down from the high country with her yam stick to journey across the flat and waterless plain. Baiami sent his giant snake along to keep an eye on her. She walked for many weary miles, drawing a line in the sand with her stick, and behind her came the snake following in and out, making the curves of the river bed with his body. Then Baiami spoke in a voice of thunder, and lightning flashed. Rain fell and water came flowing down the track that the old woman and snake had made (Atkinson & Berryman 1983, 43).

4.5 Summary

The Murray River and surrounding region would have been a focal point in the landscape for Aboriginal people occupying the area. Significant features such as the Murray River, swamps, ancestral streams and open forests would have provided a reliable supply of water and a range of floral and faunal resource prior to European arrival.

The project area and its close proximity to these resources make it an ideal location for occupation throughout various stages of the year as seasonal migration and hunting would have determined the movement of groups throughout the region. In addition, evidence of these subsistence patterns through past regional studies has revealed that the most common Aboriginal sites, such as scarred trees and isolated artefact scatters have been found within close proximity to the project area. Through this, there is an increased potential that evidence of Aboriginal occupation within the project area will be revealed through indications of habitation or hunting.

This insight into Aboriginal subsistence patterns within the area has been provided by the historic sources. While providing a unique understanding, these sources must be approached with caution due to the language barriers, cultural differences and the potential for misinterpretation. However, it is through these ethnohistoric accounts that one may construct an image and idea of Aboriginal occupation in a culture that thrived through oral histories and generational accounts.

5 Environmental context

5.1 Geology and soils

The project area is situated approximately two kilometres north of the township of Mulwala, approximately 280 kilometres north-east of Melbourne. Situated on the border on New South Wales and Victoria, the project area falls within the Northern Riverine Plains Geomorphic Unit that is part of the larger Murray Basin Plain. The Northern Riverine Plains unit is an extensive and complex alluvial plain associated with the Murray River and its tributaries. There are two main levels to the Plain: an older, more extensive and higher-level flood plain, created by the accumulation of Pleistocene-aged alluvial sediments known as the Shepparton Formation, and a younger, relatively narrower, lower-level flood plain occurring along the main rivers where it has cut down into the older sediments (Cochrane *et al* 1995, 76).

The project area is located on the older level of the Plain, the Shepparton Formation that was formed approximately 1.6 million years ago through the deposition of sediments from 'prior streams'. These deposits consist of sandy loam soils, gravels, silt and clays such as red calcareous duplex soils (red-brown earths) and yellow duplex soils (VRO 2017). The Shepparton Formation features outcrops of greenstone, basalt, chert, quartzite and sandstone (Lusty 1993, 5). While the immediate project area does not possess any natural stone outcrops for the manufacture of tools, past archaeological surveys suggest that stone was traded throughout the region. In particular, quartz was identified as the dominant raw material used and uncovered throughout previous archaeological reports in the region. Silcrete has been recorded within the wider region and the main source of this is Dowdle Swamp, approximately 14 kilometres south of the project area

5.2 Flora and Fauna

Prior to European settlement, the project area was a rich resource zone providing floral and faunal resources for Aboriginal communities in the Murray and surrounds.

The region is currently dominated by river red gum (*Eucalyptus camaldulensis*) on the river banks and low-lying area, and black box (*E. largiflorens*) on the higher, outer parts of the flood plain (Margules *et al* 1990, 10-12). The understorey of the red gum forest is predominantly herbaceous, while shrubbier vegetation dominates the understorey of the more open tree layer of the black box woodlands (Margules *et al* 1990, 11-13). The red gum forest is home to a variety of grasses and weeds. Some of the species present throughout the regions red gum forests are the Warrego summer-grass (*Paspalidum jubiflorum*), moira grass (*Pseudoraphis spinescens*), common spike-rush (*Eleocharis acuta*), spiny sedge (*Cyperus gmnocaulos*), common Sneezeweed (*Centipeda cunnighamii*), cotton fireweed (*Senecio quadridentatus*) and river bluebell (*Wahlenbergia fluminalis*). Additionally, the black box woodlands feature lignum (*Muehlenbeckia cunninghamii*), dryland tea-tree (*Melaleuca lanceolate*), nitre goosefoot (*Chenopodium nitrariaceum*), silver saltbush (*Atriplex rhagodioides*) Old-man saltbush (*A. nummularia*), bladder saltbush (*A. vesicaria*) and desert glasswort (*Pachycornia triandra*) (Margules *et al* 1990, 12-13).

The floodplain environment would have been an incredibly resourceful for the Aboriginal occupants. Grass seeds, roots and tubers of both aquatic and terrestrial plants were collected and eaten. Water ribbons (*Triglochin*), rushes and sedges (family *Cyperaceae*), and bulrushes (*Typha*) would have formed part of the riparian vegetation while the open forest environment would have supported herbs such as native plantains (*Plantago*), sowthistles (*Sonchus oleraceus*) and the yellow wood sorrel (*Oxalis*). Small tuber-bearing lilies were also eaten, the most notable being the yam-daisy (*Microseris scapigera*) (Low 1991).

Eucalyptus species, and especially red gums, were important in the Aboriginal economy. These were targeted for their bark in order to make utilitarian products such as canoes, shields and dishes (Terraculture 2001,10).

Native faunal species noted in the region included the eastern grey kangaroo (*Macropus giganteus*), brush-tail possum (*Trichosurus vulpecula*) and the swamp wallaby (*Wallabia bicolor*). These were all traditionally hunted by the Aboriginal occupants of the Murray River flood plain environment (Terraculture 2001, 10).

The Murray River and larger streams would have supported tortoises, freshwater crays, yabbies, shellfish Murray Cod, Trout Cod, Golden Perch and eels while also providing a habitat for a variety of water birds including ducks and swans (LCC 1983; Dixon *et al* 1979). The roots, fruits and tubers of several species of the flora would have provided food for Aboriginal people and the fibre-producing varieties would have supplied raw materials in the manufacture of baskets and ornaments (Gott & Conran 1991; Zola & Gott 1992).

While the current project area does not reflect the general environmental conditions afforded to past Aboriginal people, it does provide evidence to suggest there was habitation, the movement of groups and hunting taking place within close proximity of the project area.

5.3 Topography and hydrology

The Murray River corridor and the project area more specifically are characterised by flat to gently undulating plains including former stream channels and a broad floodplain. The project area is at an elevation of approximately 125 metres with a slight ridge in the southern portion running from east to west for the width of the property, approximately two kilometres. There are few low-lying areas throughout the project area, particularly in the south that are subject to occasional flooding.

The region experiences a mean annual rainfall of between 500 and 650 millimetres annually. There is increased rainfall from May through to October with an average of 46 mm recorded across these months (BOM 2018). There is a regular winter-spring flooding regime in region that is vital in stimulating the regeneration and growth of trees and associated plant communities. The late spring-early summer recession of flood-waters provides favourable feeding and breeding habitat for many water birds that nest in spring or continue to nest through summer in low-lying areas (LCC 1985, 39). The climate of the region is temperate with mean summer maximum temperature of 30.3° Celsius and a minimum of 15.6°. In winter, there is a mean temperature of 14.2° and a minimum of 4.4°.

There is one low-lying area present within the north portion of project area that is subject to flooding, however there are no natural watercourses within the project area. Prior to the construction of Lake Mulwala in 1939, the former ancestral streams of the Murray ran one and a half kilometres south-east of the project area. The Murray River today is approximately four and a half kilometres south of the project area. The creation of Lake Mulwala and implementation of the Murray-Darling Irrigation Scheme was in response to successive droughts that took place from 1895 onwards in the Murray Valley region. Consequently, the construction of the Yarrawonga Weir began in early 1935 and was completed in 1939, supplying water for irrigation for the surrounding district. The intake of the Lake is supplied primarily by the Murray River and Ovens River. Lake Mulwala covers an area of 4,450 hectares and has the storage capacity of 117, 5000 mega litres (Yarrawonga Mulwala 2012). Located within fifty metres to the south and west of the project area is the Mulwala Canal. The Mulwala Canal was completed in 1942 and is the largest irrigation canal in the Southern Hemisphere, starting at Lake Mulwala and diverting water from the Murray River across the southern Riverina plain to the Edwards River at Deniliquin.

The project area is well positioned within the broader region with the presence of the low-lying swamp in the north of the project area and the ancestral streams of the Murray to the south. The project area would have been a valuable resource zone as the proximity of permanent and semi-permanent water sources would have been imperative for those traversing and occupying the landscape.

5.4 Summary

The project area is located within a rich and diverse region that would have supported sedentary and travelling groups of Aboriginals. A combination of factors such as climate, access to a reliable water supply and a diverse array of faunal and floral resources makes the project area a likely place in which past Aboriginal people occupied at various times throughout the year. The history of indigenous use of the local area and past archaeological survey results suggest that Aboriginal people utilised different environments in the surrounding area.

For the project area and surrounds it is obvious that campsites were established on the open plains, close to a water source and on areas of high ground. Scarred trees, such as those recorded close to the project area, occur where remnant mature Eucalypts exist and may suggest the existence of open forests ideal for hunting prior to European settlement and development of the landscape (Heritage Insight 2006,18-19). This is further reflected in the regional archaeological studies undertaken within the area that too supports the strong presence of scarred trees and artefact scatters in the areas surrounding the Murray. In addition, quartz was identified as the dominant raw material used and uncovered throughout previous archaeological reports in the region. Silcrete also occurs within the wider region and the main source of this is Dowdle Swamp, approximately 14 kilometres south of the project area. Through consideration of the environmental conditions of the project area, a better understanding of the subsistence patterns and Aboriginal presence throughout the region comes to light.

The project area encompasses the property of one landholder who is currently engaged in agricultural and grazing activities. The land comprises flat-lying open paddocks, which is irrigated with water pumped from a bore.

6 Predictive model

The broader geographical region served as a valuable resource zone for past Aboriginal occupation. The Riverina region is known to contain scarred trees, burials and stone artefacts which are usually located within close proximity to waterways and waterbodies. While the project area does not contain any permanent waterbodies, the presence of a low-lying swamp and proximity to the Murray River may suggest that this landscape was traversed prior to European settlement. Evidence of subsistence patterns through past regional studies and ethnographic accounts reveal that the most common Aboriginal sites within the broader geographic region are scarred trees, isolated artefacts and LDADs. Due to the extensive clearance and highly disturbed nature of the project area, it is predicted that the project area has low archaeological potential.

It is predicted that due to the extensive clearance of the project area, any remnant or native trees that may have been culturally scarred would be destroyed. Due to the lack of native trees within the project area, it is highly unlikely that the remaining trees along the fence line and road corridor will show signs of scarring. The Murray River would have been a focal point in the landscape and occupied by various groups throughout differing times of the year and the project area would have been traversed by groups travelling throughout the region.

In addition, it is predicted that there will be a low potential for isolated artefacts or LDADs due to the highly disturbed nature of the project area through extensive clearing, agricultural practices and grazing. A lack of stone throughout the region also suggests that any artefacts identified would be the product of trading and a potential manuport. Post-survey consultation with Neville Atkinson confirmed that the identified isolated artefacts were most likely the result of intentional or unintentional discard and are by no means to suggest there was occupation throughout the project area. This comment aligns with the prediction that the project area would have been traversed by groups moving towards the Murray River rather than utilised as an area of habitation.

The project area features two culturally sensitive landscape features, the low-lying swamp and sand dunes that may have appealed to groups traversing the landscape. The sand dunes have a moderate potential for containing burials and, if present, would not be impacted by the proposed activity. The low-lying swamp is subject to flooding and may have been a valuable resource zone prior to European land uses.

7 Archaeological survey

The archaeological survey was conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigations of Objects in NSW* (2010) and the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in* N). The survey of the project area was undertaken by RPS Senior Heritage Consultant Jeremy Hill and RPS Graduate Heritage Consultant Laura Cross and Aboriginal representatives from Cummeragunja LALC, Bangerang Aboriginal Corporation and Bundyi Aboriginal Cultural Knowledge on 19 April 2018.

7.1 Survey aims

The purpose of the survey was to inspect visible ground surfaces, observe exposed soil profiles or other visible features present throughout the project area. In light of the AHIMS and ACHRIS registered sites, artefact scatters and scarred trees were identified as being the dominant registered Aboriginal sites in the project locality. Other visible features were also inspected for evidence of cultural sites, in addition to assessing whether potential archaeological deposits were present in the Mulwala Solar Project footprint. No previously registered Aboriginal sites were identified within the project area in the desktop study. The survey also aimed to record any cultural sites or Aboriginal landscapes, if identified by the registered Aboriginal parties.

7.2 Sampling strategy

The purpose of a sampling strategy is to provide a framework for conducting archaeological surveys in a manner which can be quantified and thus can be compared to other survey reports in the local landscape for regional comparison (Burke and Smith 2004). The sampling survey used for the project area targeted specific landforms, such as the low-lying swamp, dunes system and flood plains throughout the project area which may be impacted by the proposed development.

Background research and predictive modelling determined the project area to have low potential to contain archaeological sites due to the highly disturbed nature of the project area. The Mulwala Solar Project footprint comprises a relatively flat and heavily modified landscape.

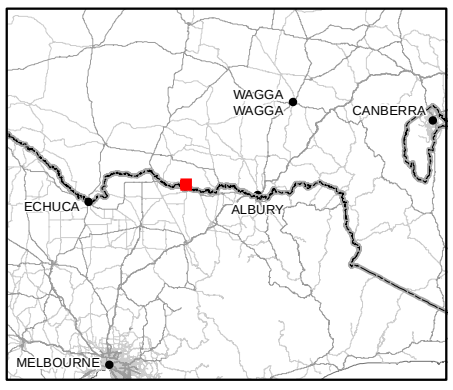
7.3 Field methods

The survey was conducted on foot (pedestrian) and targeted the landforms identified in the above sampling strategy. The area surveyed was recorded in survey units which are shown in Figure 3. Due to the varied landforms across the solar plant footprint, including the sand dunes, low-lying swamp and undulating plains landscape, the following survey units were developed in accordance with property boundaries and are described as follows:

- Survey Unit 1: Lots 1, 2, 3, 4 and 7 (DP134511); Lots 103, 114, 115 and 116 (DP752290).
- Survey Unit 2: Lot 1 (DP100773); Lot 116 (DP752290).
- Survey Unit 3: Lots 5 and 6 (DP134511); Lots 125 and 132 (DP752290).

Each survey unit was mapped and recorded using representative digital photographs and field notes to show areas of disturbance, changes in survey conditions (such as visibility or ground surface exposure), observation of soils, vegetation cover, erosion and other relevant observations.





N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.
Watercourse data provided by DELWP 2018.
Imagery from Esri basemap layer.

LEGEND

- Project Area
- Development Footprint
- Waterbody
- Watercourse
- Cadastre

Mulwala Survey Units

- 1
- 2
- 3

RPS

Figure 3
Project Area with Survey Units
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18037_Mulwala_Solar_Farm\Working\Heritage\Figure3_Project_Area_Survey_Units_Mulwala_Solar_Farm_A3P.mxd
Compiled: 21 May 2018

7.4 Survey coverage

Survey coverage, ground surface visibility and ground surface exposure were noted for each survey unit to ensure comparability of survey results and to contextualise survey results. Impediments to ground surface visibility included exposed weed coverage and thick grass. While the identification of surface aboriginal objects in such areas is generally low, potential archaeological deposits are sometimes present in undisturbed areas. Table 7 provides a tool for rating ground surface visibility and ground surface exposure.

Table 7 Ground surface visibility (GSV) and ground surface exposure (GSE) rating

GSV/GSE rating	Overall rating	Description
0-29 per cent	Low	Heavy vegetation with scrub foliage, debris cover and/or dense tree cover. Ground surface not clearly visible.
30-59 per cent	Moderate	Moderate levels of vegetation, scrub or tree cover. Moderate sized patches of soil surface visible possibly associated with animal tracks, farm tracks, and erosion surfaces. Moderate to small patches across a larger section of the Project Area.
60-100 per cent	High	Low levels of vegetation and scrub cover. High incidence of ground surface visibility due to recent or past land-use practices such as ploughing, grading and mining. Moderate level of ground surface visibility due to sheet wash erosion, erosion scales and erosion scours.

7.5 Archaeological survey results

Survey units were traversed on foot. The main visible landforms were targeted, covering the undulating plain of survey unit 1, the sand dunes present in survey unit 2 and the low-lying swamp area running north-east to south-west in survey unit 3. This approach was taken to provide as much ground coverage as possible of the project area. The survey was impeded in part by poor visibility due to overgrown grass, and weeds dispersed throughout the landscape. Exposed ground was focused around uncultivated areas of land near fence lines and on vehicle access tracks. In addition, the land surrounding the low-lying swamp was targeted. Most plantings were introduced along fence lines to act as wind and fire breaks. Other vegetation included willow trees and native shrubs such as nardoo present primarily throughout the low-lying swamp in survey unit 3. There were few native trees present throughout the survey areas, the remaining mature native trees were inspected for cultural scarring, but none were identified. Table 8 shows calculations of effective survey coverage for each survey unit within the project area.

Table 8 Effective Survey Coverage

Survey Unit	Landform	Survey unit area (m²)	Visibility (%)	Exposure (%)	Effective Survey coverage (m²)	Effective coverage (%)
SU 1	Flat plain	1,488,600	40	70	148860	10
SU 2	Sand dune	229,150	20	10	68745	30
SU 3	Flat Plain	2,057,600	10	10	411520	20

7.5.1 Survey Unit 1 (SU1)

Survey Unit One consists of the southern portion of the Mulwala Solar Project footprint within the property boundary of Lot 1; Lot 2; Lot 3; Lot 4; Lot 7 (DP134511); Lot 103; Lot 114; Lot 115; Lot 116 (DP752290). which were accessed from Lambruck Lane (Figure 3). This unit comprises of approximately 1,488,600 m². This unit is predominantly flat and has been extensively cleared of original native vegetation and mature trees (Plate 1).

Visibility was generally good across the survey unit, the thin red loam soil was exposed and vegetation minimal due to a recent fire throughout the project area (Plate 7). Areas found along the fence line of the property and in vehicle access corridors were found to be highly eroded (Plate 2). In addition, areas of ploughing were visible running parallel to Lambruck Lane acting as a fire break.

The survey unit has been subject to considerable disturbance through the presence of livestock site grazing and the harvesting of crops, construction of dams and associated agricultural structures. There are several livestock fences and gates that intersect throughout the survey area.

One new artefact was recorded in this survey unit. The silcrete artefact AHIMS 55-4-260/55-4-0259 was located on the ground surface in an exposed area among burnt vegetation (Plate 3, Plate 4). The artefact was visible on a distinct track forged by livestock traversing throughout the survey area and broader property (Plate 5). In addition, there are vehicle tracks throughout the survey unit and present within the immediate vicinity of the site (Plate 6). The silcrete flake was identified in the south-western portion of the survey unit, in a sandy portion of the site near the remnant sand dunes of that comprise of survey unit 2.

While it was noted that there was a widely scattered distribution of clay balls throughout this survey unit, this scatter was deemed insufficient as an archaeological site and was not formally recorded or registered with AHIMS (Plate 8).

Plate 1 Highly disturbed landscape of SU1, facing east (RPS 2018)



Plate 2 Vehicle access corridor of SU1 with, facing west (RPS 2018)



Plate 3 AHIMS 55-4-260/55-4-0259, facing north east in SU1 (RPS 2018)



Plate 4 AHIMS 55-4-260/55-4-0259, facing north east in SU1 (RPS 2018)



Plate 5 Location of AHIMS 55-4-260/55-4-0259 within highly eroded area and livestock track, facing north east in SU1 (RPS 2018)



Plate 6 Burnt vegetation and visible vehicle tracks, facing west in SU1 (RPS 2018)



Plate 7 Thin red loam soil with scattered vegetation and moderate visibility, facing west in SU1 (RPS 2018)



Plate 8 Location of widely distributed clay ball cluster, note the burnt vegetation and vehicle tracks. Facing east in SU1 (RPS 2018)



Survey Unit 2 (SU2)

Survey Unit 2 includes the western most portion of the site and covers Lot 116 (DP752290) and Lot 1 (DP100773). This survey unit is approximately 229,150 m² in size. This survey unit was accessed via survey unit 1 through Lambruck Lane. The landform of survey unit 2 was identified as a sand dunes system. It must be noted that this survey unit and the land it covers is not included in the development footprint (Figure 5). The change in soil from reddish grey loams to sand was noted and indicates a significant change in conditions and landforms throughout the unit. The survey unit contains undulating sand dunes extending the length of the survey unit. There is one constructed dam in the south-west, running adjacent to Tocumwal Road (Plate 13).

Visibility was moderate throughout the survey unit. There was a cleared section of the project area in the northern portion of survey unit 2, running parallel to Lambruck Lane and serving as frequently used vehicle access track (Plate 9, Plate 10).

One artefact was identified in this survey unit. One quartz stone flake AHIMS 55-4-0261/55-4-0257 was exposed on the ground surface along the vehicle access track running parallel to Lambruck Lane (Plate 11, Plate 12). The artefact was identified on the flat plain of the sand dune within the sand vehicle access track. There were burnt patches of vegetation bordering the sand vehicle access track. The artefact was not in situ as the area has been subject to vehicular and livestock activities. The milky white artefact with orange and red inclusions shows signs of retouch.

Disturbance was noted associated with livestock and related agricultural development. Heavy vehicle tracks were evident across the landform. There were several native trees present within the survey unit, these were inspected and did not reveal signs of cultural scarring. Ground surface visibility was good with frequent small areas of exposure and burnt vegetation throughout the survey unit **Plate 14**. There were two fences that intersected the survey unit, the areas surrounding these were generally clear and provided good visibility and ground exposure.

Plate 9 Sand vehicle access corridor parallel to Lambruck Lane, location of AHIMS 55-4-0261/55-4-0257 facing north west in SU2 (RPS 2018)



Plate 10 Sandy vehicle access corridor in SU2 looking north east to SU1 (RPS 2018)



Plate 11 AHIMS 55-4-0261/55-4-0257, facing north in SU1 (RPS 2018)



Plate 12 AHIMS 55-4-0261/55-4-0257, facing north in SU1 (RPS 2018)



Plate 13 Sand dunes landscape with dam located on right with vehicle tracks visible, looking south east in SU2 (RPS 2018)



Plate 14 Remnant trees and burnt vegetation with visible access tracks within the sand dunes system facing south east in SU2 (RPS 2018)



7.5.2 Survey Unit Three (SU3)

Survey Unit 3 comprises of the northern portion of the Mulwala Solar Farm project boundary. Situated to the west of Savernake Road and north of Lambruck Lane, SU3 covers Lot 5; Lot 6 (DP134511); Lot 125; Lot 132 (DP752290) and is approximately 2,057,600 m². This survey unit was accessed via the residential corridor of the project area, at the land owner's discretion. The landscape was flat with a low-lying area running north-east to south west for the majority of the survey unit. The low-lying area was characterised with thin grey loam and short patches of grass (Plate 16, Plate 17). The landscape surrounding the area channel is characterised by red sands and clay (Plate 18). The southernmost portion of the low-lying area was heavily grassed with poor visibility and exposure throughout (Plate 15). General visibility was moderate to good throughout the survey unit, approximately 50%, with exposure becoming significantly less in the western portion of the site, approximately 20%. Visibility was best in areas of erosion that were noted surrounding the residential dwelling, storage facilities in the north of the property, the artificial dam and along fence lines and gates throughout the survey unit. The few native trees within this survey unit were inspected and did not reveal signs of cultural scarring.

There were three sites identified in this survey unit. The first isolated artefact AHIMS 55-5-0140 was located exposed on the surface in the east of the unit, within the immediate vicinity of the low-lying swamp channel (Plate 19, Plate 20). The artefact was located on the surface within an area of erosion; the artefact was surrounded by short patches of grass and weeds among scattered areas of exposure (Plate 21). This angular fragment comprises of milky white quartz. This artefact is not *in situ* due to the extensive erosion present throughout the site and flooding of the channel and immediate land surrounding the swamp. The second isolated artefact AHIMS 55-5-0139 was identified immediately east of the low-lying area (Plate 22, Plate 23). This angular fragment was located on the ground surface within the plains landscape within one of the scattered areas of exposure surrounded by short grass (Plate 24). This artefact is milky white quartz. The third isolated artefact AHIMS 55-5-0138 was identified in the western portion of the survey unit (Plate 25, Plate 26). This angular fragment was located on a vast plain that featured thick grasses and minor areas of exposure. Visibility and exposure throughout this portion of the survey area were very poor; approximately 10-20% with thick grasses and weeds covering this site.

Plate 15 Thick grass with extremely low visibility in the southern-most portion of the low-lying area of SU3 facing north (RPS 2018)



Plate 16 The low-lying swamp with areas of high erosion, looking north east in SU3 (RPS 2018)



Plate 17 Thin grey loam with moderate visibility within the low-lying area facing north in SU3 (RPS 2018)



Plate 18 Artificial dam situated on thin red loam soil with high areas of erosion facing north east in SU3 (RPS 2018)



Plate 19 AHIMS 55-5-0140 located on thin grey loam facing north east in SU3 (RPS 2018)



Plate 20 AHIMS 55-5-0140 located on thin grey loam facing north east in SU3 (RPS 2018)



Plate 21 Areas of high exposure and vehicle tracks, location of AHIMS 55-5-0140 in SU3 facing south west (RPS 2018)



Plate 22 AHIMS 55-5-0139, facing north east in SU3 (RPS 2018)



Plate 23 AHIMS 55-5-0139, facing north east in SU3 (RPS 2018)



Plate 24 Location of AHIMS 55-5-0139, thick grasses with poor visibility facing north west in SU3 (RPS 2018)



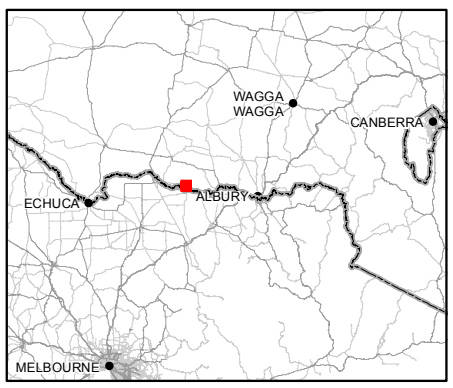
Plate 25 AHIMS 55-5-0138 located in the red clay loam, facing north west in SU3 (RPS 2018)



Plate 26 AHIMS 55-5-0138 located in the red clay loam, facing north west in SU3 (RPS 2018)







N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.
Watercourse data provided by DELWP 2018.
Imagery from Esri basemap layer.

LEGEND

- Project Boundary
- Development Footprint
- Waterbody
- Watercourse
- Cadastre

Bundyi Aboriginal Cultural Knowledge sites

- Aboriginal Resource and Gathering
- Artefact
- Modified Tree (Carved or Scarred)

RPS recorded sites

- Artefact

RPS

Figure 4
Location of Identified Sites
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18037_Mulwala_Solar_Farm\Working\Heritage\Figure4_Identified_Site_Locations_Mulwala_Solar_Farm_A3P.mxd
Compiled: 21 June 2018

7.6 Summary of survey results

The project area is consistent with the surrounding agricultural landscape which has experienced significant agricultural development, including crop production, irrigation and stock grazing. Few original landscape features remain within the project area, and those remaining do not contain cultural scarring or Aboriginal modification. A broader search of the region covering the New South Wales and Victorian registers revealed that along the Murray and the surrounding landscape the primary Aboriginal site types consisted of LDADs, artefact scatters and, scarred trees., burials, earth features (mounds/hearths), middens and a PAD.

The survey identified five new Aboriginal sites, all of which were isolated artefacts. These were located across the three survey units in a disturbed context. Additionally, there were four isolated artefacts recorded by Mark Sadler on behalf of Bundyi Aboriginal Cultural Knowledge, however two of these recorded sites on AHIMS are duplicates of those recorded by RPS. Site 55-4-0259 is a duplicate of RPS' recorded site 55-4-0260 and will henceforth be referred to 55-4-0260/55-4-0259. Similarly, site 55-4-0257 is a duplicate of RPS' recorded site 55-4-0261 and will henceforth been referred to as 55-4-0261/55-4-0257. Excluding the duplicates, there were two isolated artefacts recorded within the project area by Mark Sadler, sites 55-4-0258 and 55-5-0134. There were no scarred or culturally modified trees identified by RPS. There were however two culturally scarred trees recorded by Mark Sadler, sites 55-5-0132 and 55-5-0133. This brings the total number of sites in the project area to ten.

Culturally significant landscapes were identified within the project area which may have archaeological potential. Mark Saddler recorded one Aboriginal resource and gathering site, site 55-5-0134 that is situated immediately south of the low-lying swamp. The low-lying swamp area runs north-east to south west across survey unit 3. This area is subject to flooding and extends northwards beyond the project boundary. This area comprised of grey loam with the surrounding floodplains comprising of red sands. Excluding the seasonal flooding of the low-lying area, the project area does not feature any permanent water courses. There are however ancestral streams of the Murray River that are approximately one and a half kilometres south-east of the project area. The closest permanent water source is the Murray River approximately four kilometres south of the project area.

7.7 Interpretation of survey results

This section interprets the results of the archaeological survey with reference to elements of the predictive model, landform, and site contents.

Based on past research within the region, it was predicted that the project area had a low archaeological potential (Section 6). The majority of sites within the region were isolated artefacts, LDADs and scarred trees. These were considered throughout the predictive model and survey. It was predicted that there would be low potential for identifying isolated artefacts or LDADs due to the lack of stone resources in the region and the distance of the project area from the Murray River that would have posed as a more suitable area for occupation. The project area would more likely have been traversed while seeking more suitable destinations or for hunting among the open forests that once potentially existed in the area.

This was confirmed through the identification of five new sites by RPS during the archaeological survey (as shown in Figure 4). In correlation with the additional two artefacts recorded by Mark Saddler, all seven identified isolated artefacts were considered not *in situ* due to the highly disturbed context and land use history throughout the project area. The sites do however suggest the potential for trading and movement throughout the project area. This was further confirmed during consultation with the RAPs that the newly recorded artefacts were most likely dropped or discarded while travelling through the project area.

It was predicted that the culturally sensitive landforms of the sand dunes and low-lying swamp area may have archaeological potential. This correlates with the identification of site 55-4-0261/55-4-0257 within the sand

dunes landform unit. Additionally, the identification of sites 55-5-0140 and 55-5-0139 within close proximity to the low-lying area and sand dunes confirms that these landforms may have been valuable sources utilised on a temporary or seasonal basis. A newly recorded site of Aboriginal resource and gathering, site 55-5-0134 with the strong presence of Nardoo, is immediately south of the low-lying area and suggests that the project area was used as a resource gathering location or camping ground while traversing the landscape. Although, it was noted that the due to the lack of reliable and permanent water supply, the Murray was a far more suitable location for habitation.

8 Significance assessment

It is necessary for the significance of Aboriginal sites, cultural features or areas of archaeological sensitivity to be assessed in order to develop appropriate practical and implementable conservation management outcomes which may then be adopted as part of relevant construction management plans. The overall impact of a proposed development will be measured according to the number of sites/features impacted, if any, and the significance of those sites/features. Aboriginal heritage can be of cultural and/or scientific and/or historic significance. Aboriginal community members are best placed to assess cultural significance and are therefore consulted in the Aboriginal heritage management process.

The Burra Charter (2013) and *the Guide* (2011) set out the value criteria and scales on which significance is to be assessed. The values include:

Social or Cultural Value: In the context of an Aboriginal heritage assessment, this value refers to the significance placed on a site or place by the local Aboriginal community – either in a contemporary or traditional setting.

Scientific Value: Scientific value is the term employed to describe the potential of a site or place to answer research questions. In making an assessment of Scientific Value, issues such as representativeness, rarity and integrity are addressed. All archaeological places possess a degree of scientific value in that they contribute to understanding the distribution of evidence of past activities of people in the landscape. In the case of flaked stone artefact scatters, larger sites or those with more complex assemblages are more likely to be able to address questions about past economy and technology, giving them greater significance than smaller, less complex sites. Sites with stratified and potentially in situ sub-surface deposits, such as those found within rock shelters or depositional open environments, could address questions about the sequence and timing of past Aboriginal activity, and will be more significant than disturbed or deflated sites. Groups or complexes of sites that can be related to each other spatially or through time are generally of higher value than single sites.

Aesthetic Value: Aesthetic values include those related to sensory perception and are not commonly identified as a principal value contributing to management priorities for Aboriginal archaeological sites, except for art sites.

Historic Value: Historic value refers to a site or place's ability to contribute information on an important historic event, phase or person.

Other Values: The Burra Charter makes allowance for the incorporation of other values into an assessment where such values are not covered by those listed above. Such values might include Educational Value. All sites or places have some degree of value, but of course, some have more than others. In addition, where a site is deemed to be significant, it may be so on different levels or contexts ranging from local to regional to national, or in very rare cases, international. Further, sites may either be assessed individually, or where they occur in association with other sites the value of the complex should be considered.

8.1.1 Significance assessment of Mulwala Solar Project

In accordance with the above significance criteria, representatives from Cummeragunja LALC, Bangerang Aboriginal Corporation and Bundyi Aboriginal Cultural Knowledge were consulted throughout the archaeological survey and at the conclusion of the survey on 19 April 2018. Consultation with the Aboriginal representatives and analysis of the survey data and site prediction outcomes determined the following significance of the project area.

Social or Cultural Value:

The Cummeragunja LALC and Bangerang Aboriginal Corporation did not identify any specific social or cultural values attached to the project area. However, Bundyi Aboriginal Cultural Knowledge have identified a significant area of resource gathering located north of Lambruck Lane which has since been recorded in AHIMS, site 55-5-0134. In addition, Bundyi Aboriginal Cultural Knowledge and Bangerang Aboriginal Corporation identified SU2 as a significant landform unit with potential for burials and possible use as an area of habitation that is linked with the wetlands/swamp in the north of the project area.

Scientific (archaeological) Value:

The identified Aboriginal objects in the project area are considered to be unintentional or intentional discards and based on the land use history of the project area it is highly unlikely that they are in context. During the visual inspection SU2 was considered to have potential for archaeological deposits due to the sandy nature of the soils. This area will not be impacted as a result of the proposed activity. The remaining portions of the project area have been highly modified through the land use history (i.e. grazing and agricultural uses), reducing any potential for archaeological deposits.

As a result, there is little to no scientific (archaeological) value.

Historic Value:

The land and environment are intrinsically linked to Aboriginal people. Despite the transformation undertaken over the project area since European settlement, the RAPs are still linked to the project area. During the visual inspection and background assessment, there were no historically archaeological values identified for the project area.

Other Values:

There have been no other values associated with the project area that have been identified.

9 Aboriginal heritage impact assessment

The project area is not situated near any natural water catchment, with the closest permanent source being the Murray River which is approximately four kilometres to the south. The project area has also been cleared which reduces the potential for scarred trees. In addition, there is a high level of disturbance and modification associated with agricultural land use over several decades.

Five new archaeological Aboriginal sites were identified during visual inspection of the project area by RPS. Additionally, five new cultural sites were recorded by a representative of the Bundyi Aboriginal Cultural Knowledge. It was concluded that due to the land-use history of the property and its distance from the Murray, that the identification of further surface artefacts would be limited.

Cummeragunja LALC did not raise any specific cultural values or concerns regarding the project area. Bundyi Aboriginal Cultural Knowledge raised concern that the entirety of the project area had not been surveyed on foot and that a proper representation and thoroughness could not be achieved in leaving areas unsurveyed. Bangerang Aboriginal Corporation expressed concern regarding the removal of cultural heritage material during the construction process of the Mulwala Solar Farm and its installation. It was recommended by Kevin Atkinson that a cultural officer or heritage consultant be present throughout the process to monitor the excavation of material for potential Aboriginal artefacts that exist below the ground surface.

This section provides an assessment of the proposed project in relation to Aboriginal heritage. Conservation of Aboriginal sites and areas of archaeological sensitivity is the preferred heritage outcome.

9.1 The Proposal

The proposed Mulwala Solar Farm project is a utility scale renewable energy project that will generate up to 80MW of clean and renewable electricity. The solar farm will comprise approximately 308,824 solar photovoltaic modules, known more commonly as ‘PV Modules’ or ‘solar panels’. The solar panels use the same type of technology used in residential solar installations located commonly throughout Australia, however they are larger in size. The solar panels will be installed on ground-mounted frames that will slowly track the daily horizontal movement of the sun. They will generate direct current DC electricity that would be converted to alternating current AC, which is the standard form of electricity used throughout Australia.

The solar panels and horizontal tracking systems would be mounted in rows that would be electrically connected into arrays before being converted from DC to AC electricity via containerised PCU. The electricity would then be fed via an underground, on-site, high voltage power reticulation system into the local electricity network.

Key elements

Key elements of the project will include:

- Installation of solar panels in regular arrays.
- Each solar panel will be fixed to a metal mounting structure. The mounting structure will be piled or screwed into the ground without the need for any concrete. The mounting structure will slowly and silently track (on a single axis) the horizontal movement of the sun. There is also an alternative option to install a fixed tilt mounting structure. Both mounting structure options would not exceed four metres in height, and both options would have the same construction impact.
- Above ground DC cabling will connect each module in a string (308,824 modules in total) to field combiner boxes mounted underneath the solar panels. The combiner boxes sit approximately one metre off the ground.
- Underground DC cabling would run from the combiner boxes to the central inverters.
- Central inverters, step up transformers and switchgear will be located in 40-foot containers or container skid pads. A PCU within each array will convert the DC electricity generated by the solar panels into AC electricity for connection to the national electricity grid.
- Underground AC cabling will run from the PCUs to the solar substation.
- A main step up transformer and associated equipment in the solar substation will convert the on-site reticulated 33 kV electricity to 132 kV electricity for connection via high voltage cable to the nearby Mulwala substation where it would enter the local electricity network.
- Internal vehicle access tracks will be constructed from the entrance point to each PCU and to the solar substation to allow for maintenance of the site.
- Perimeter safety fencing will be established around the site and a fixed, closed-circuit television (CCTV) system established within the fence perimeter.
- SCADA control systems will monitor the performance of the equipment.
- A site office and maintenance building will be installed.
- Temporary infrastructure will be put in place during site construction including the site compound and storage areas.

Construction

The construction process for the project would include the following activities:

- Site access and establishment.
- Civil works: limited grading, compaction, stormwater drainage, sediment controls and dust suppression.
- Installation of the mounting structures: rows of driven piles would be pneumatically driven into the ground using specialist equipment, and steel mounting structures would then be attached to the piles. If required, ground screws may replace the need for driven piles.
- Installation of the solar panels onto the mounting structures.
- Installation and connection of the solar panels to the combiner boxes.
- Installation of the power conversion stations.
- Connection of the combiner boxes to the power conversion stations and underground cabling.
- Connection of the power conversion stations to form the onsite power reticulation system to evacuate power from the site.
- Grid connection works taking power from the onsite reticulation system to the local electricity grid.
- Commissioning and testing.

9.2 Impact Assessment

The driving of piles required for the installation of mounting structures would cause the largest direct impact on the registered AHIMS sites. In addition, harm will be caused to the registered sites through the movement of construction vehicles and grading procedures that will further dislodge and potentially destroy the isolated artefacts. These works would both directly and indirectly impact the ten registered sites (Figure 5). If possible, the impact to the registered sites would be greatly reduced or avoided through a change in the proposed design of the solar farm. The four established no-go zones throughout the project area in addition to designated vehicle access tracks and corridors of movement implemented with consideration of the ten registered sites would greatly reduce the impact and potential destruction of these sites.

The impact assessment of the individual sites is summarised in Table 9.

Table 9 Impact assessment of registered AHIMS sites

AHIMS	Harm	Degree of harm	Consequence of harm
55-4-260/55-4-0259	Direct	Total	Loss of cultural value
55-5-0140	Direct	Total	Loss of cultural value
55-5-0139	Direct	Total	Loss of cultural value
55-4-0261/55-4-0257	Indirect	None	No loss of cultural value
55-5-0138	Indirect	None	No loss of cultural value
55-4-0258	Indirect	None	No loss of cultural value
55-5-0132	Indirect	None	No loss of cultural value

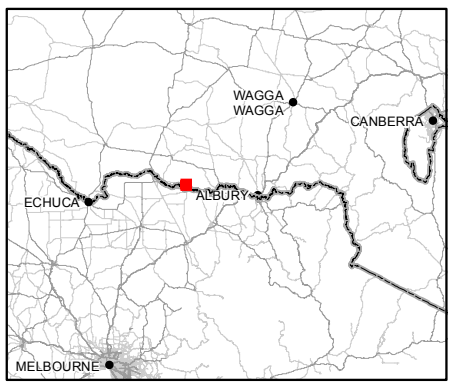
AHIMS	Harm	Degree of harm	Consequence of harm
55-5-0133	Indirect	None	No loss of cultural value
55-5-0134	Indirect	None	No loss of cultural value
55-5-0135	Indirect	None	No loss of cultural value

The type, degree and consequence of harm to the sites collectively is addressed in Table 10.

Table 10 Impacts to values

Value	Manifest through	Type of harm	Degree of harm	Consequence of harm
Cultural	Construction and installation of mounting structures, vehicular movement and grading	Direct	Total	Loss of cultural value
Historic	Construction and installation of mounting structures, vehicular movement and grading	Direct	Total	Loss of historic value
Scientific	Construction and installation of mounting structures, vehicular movement and grading	Direct	Total	Loss of scientific value
Aesthetic	Construction and installation of mounting structures, vehicular movement and grading	Direct	Total	Loss of aesthetic value
Other	N/A	N/A	N/A	N/A

55-5-0138
55-5-0139
55-5-0140
55-5-0135
55-5-0134
SAVERNAKE RD
55-4-0258
55-4-0261
LAMBRUCK LANE
55-5-0132
55-5-0133
55-4-0260
TOCUMWAL RD
MULWALA CANAL



N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.
Watercourse data provided by DELWP 2018.
Imagery from Esri basemap layer.

LEGEND

- Project Boundary
- Development Footprint
- Waterbody
- Watercourse
- Cadastre
- Site Office, Maintenance Shed, Switchyard and Battery Storage
- PV Solar Array
- Internal Access

Aboriginal Sites

- Aboriginal Resource and Gathering
- Artefact
- Modified Tree (Carved or Scarred)

RPS

Figure 5

Location of Proposed Works and Location of Recorded Sites Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18037_Mulwala_Solar_Farm\Working\Heritage\Figure5_Proposed_Works_Identified_Site_Locations_Mulwala_Solar_Farm_A3P.mxd
Compiled: 21 June 2018

10 Management and mitigation

The overall guiding principle for cultural heritage management is that where possible Aboriginal sites should be conserved. If conservation if not practicable, measures should be taken to mitigate against impacts to Aboriginal sites.

The nature of the mitigation measures recommended is based on the assessed significance of the site/s and is informed by the cultural significance provided by the Aboriginal community during consultation. Mitigation measures vary depending on the assessment of archaeological significance of a particular site and are based on the significance criteria discussed in Section 8. In general, the significance of a site would influence the recommended conservation outcomes and appropriate mitigation measures, on the following basis:

- Low archaeological significance – conservation where possible.
- Moderate archaeological significance – conservation where possible. If conservation is not practicable, salvage excavations or similar mechanisms determined in consultation with the Aboriginal community.
- High archaeological significance – conservation as a priority. Only if all practicable alternatives have been exhausted would impacts be considered justified. Comprehensive salvage excavations may be necessary.

The AHIMS sites have been assessed to be of low archaeological significance. The proposal would impact directly on three of the ten registered sites. The management of the sites to be directly impacted will be through a surface salvage. The mitigation of the sites not directly impacted will be through the establishment no-go zones (Table 11).

10.1 Avoiding and minimising harm

Principles of ecologically sustainable development

When assessing harm, the NPW Act requires consideration of the principles of ecologically sustainable development (ESD). The principles of ESD include the precautionary principle and the principle of intergenerational equity.

Precautionary principle

The precautionary principle states that if there is a risk of serious or irreversible harm, lack of certainty should not be used as a reason for postponing cost-effective measures to prevent environmental degradation. The precautionary principle requires "*careful evaluation to avoid, wherever practicable serious or irreversible damage to the environment*" and "*an assessment of the risk rated consequences of various options*" (DECCW 2009, 26). It is important to consider the precautionary principle when:

- The proposal involves a risk of serious irreversible damage to an Aboriginal object or place, or to the value of that object or place.
- There is uncertainty about cultural or archaeological value, including in relation to the condition, rarity or representativeness of an Aboriginal object or place (DECCW 2009, 26).

Archaeological survey identified the nature and extent of the surface material and potential for subsurface material at Mulwala. Seven isolated stone artefacts were recorded, representing a low-density of surface artefacts. The proposal does involve risk of irreversible damage to these Aboriginal objects, however, archaeological investigation has provided certainty regarding the archaeological value of the site.

Two scarred trees were recorded outside of the project area and assessed to be of low archaeological significance. The proposal does not involve irreversible damage to these Aboriginal sites.

Consultation, undertaken as part of this ACHAR, has provided certainty regarding the cultural value of these Aboriginal objects. The property has been assessed as having low archaeological value, due to the highly disturbed nature of the site and the low potential for further research and education. The artefacts identified on the site are considered to be of cultural significance in terms of the wider cultural landscape. However, the project area is not considered to be of significant cultural value when considered in isolation. Therefore, the precautionary principle is considered to be satisfied through archaeological survey and stakeholder consultation undertaken as part of this ACHAR.

Intergenerational equity

Intergenerational equity is defined as the principle that the *"present generation should ensure the health, diversity and productivity of the environment for the benefit of future generations"* (DECCW 2009, 29). Intergenerational equity requires an understanding of the cultural and archaeological landscape and must consider the cumulative impact of a proposal.

The archaeological survey undertaken for this assessment has identified the nature and extent of the Aboriginal objects on the property. The artefacts would not contribute new information to research questions about Aboriginal land use practices. Therefore, this document is considered to satisfy the principle of intergenerational equity.

10.2 Proposed Management policy for Aboriginal heritage

Management and mitigation of known sites and sensitive landforms

AHIMS 55-4-0261/55-4-0257

This site is located outside of the proposed development footprint and within a no-go zone. This site will not be directly impacted by the proposed solar farm development.

AHIMS 55-4-260/55-4-0259

This site is located within the proposed development footprint and may be directly impacted through the construction and installation of the proposed solar farm. If impacted, mitigation of harm to this site will be done through surface salvage prior to construction work.

AHIMS 55-5-0140

This site is located within the proposed development footprint and may be directly impacted through the construction and installation of the proposed solar farm. If impacted, mitigation of harm to this site will be done through surface salvage prior to construction work.

AHIMS 55-5-0139

This site is located within the proposed development footprint and may be directly impacted through the construction and installation of the proposed solar farm. Mitigation of harm to this site will be done through surface salvage prior to construction work.

AHIMS 55-5-0138

This site is located outside of the proposed development footprint and therefore will not be directly impacted by the proposed solar farm development. There are no mitigation or management measures for this site.

AHIMS 55-4-0258

This site is located outside of the proposed development footprint and within a no-go zone. This site will not be directly impacted by the proposed solar farm development.

AHIMS 55-5-0132

This site is located outside of the proposed development footprint and therefore will not be directly impacted by the proposed solar farm development. Management of potential harm to this site throughout the construction process will be done through a no-go zone established through high visibility fencing.

AHIMS 55-5-0133

This site is located outside of the proposed development footprint and therefore will not be directly impacted by the proposed solar farm development. Management of potential harm to this site throughout the construction process will be done through a no-go zone established through high visibility fencing.

AHIMS 55-5-0134

This site is located outside of the proposed development footprint and within a no-go zone. This site will not be directly impacted by the proposed solar farm development.

AHIMS 55-5-0135

This site is located outside of the proposed development footprint and within a no-go zone. This site will not be directly impacted by the proposed solar farm development.

Survey Unit 2

This survey unit comprises of sand dunes which are a sensitive aboriginal landform. This survey unit is situated within a no-go zone. No development will take place within this landform and the landform will not be directly impacted by the proposed solar farm development (Figure 6).

Survey Unit 3

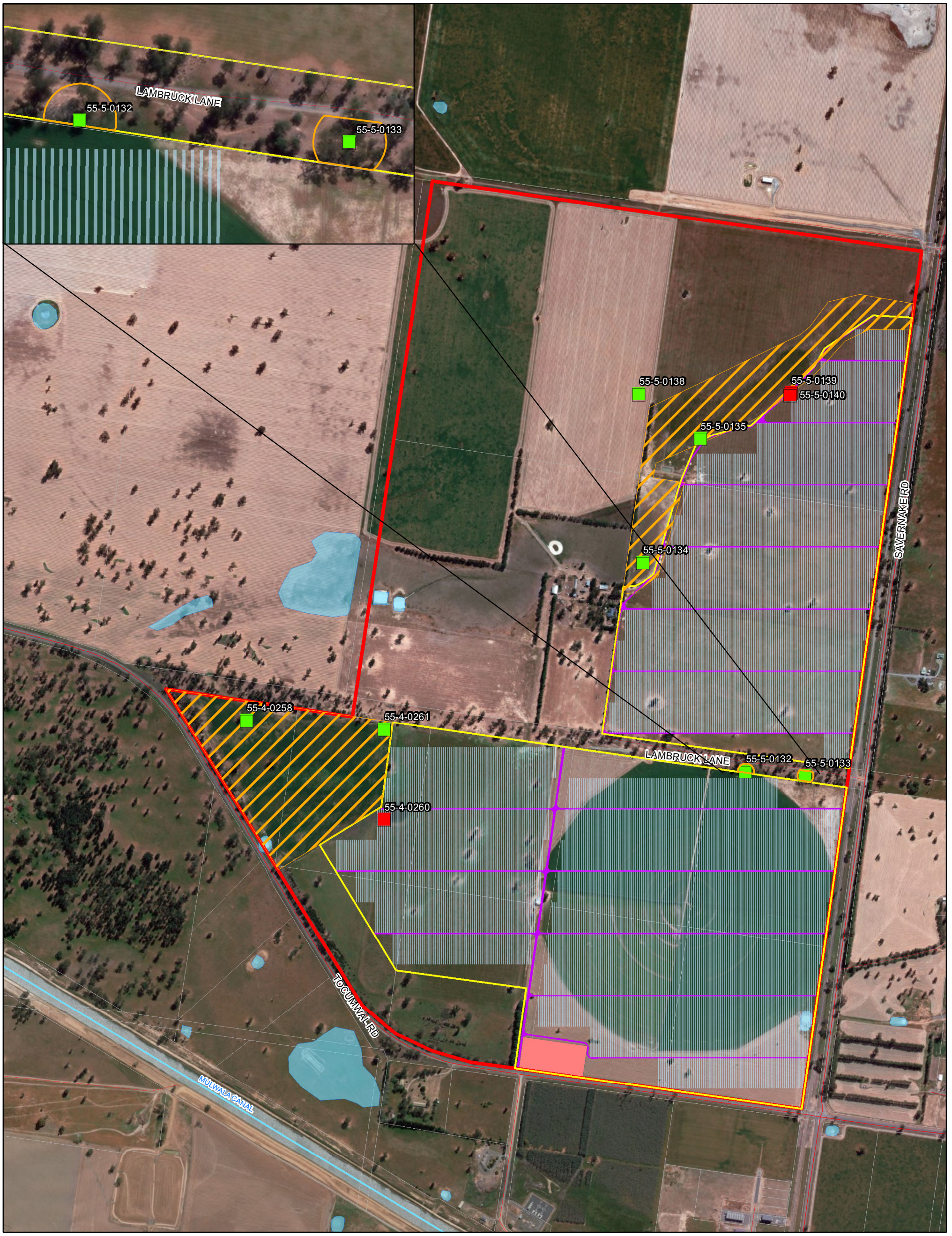
Within SU3 comprises a low-lying area that is a sensitive aboriginal landform. This area is situated within a no-go zone. No development will take place within this landform and the landform will not be directly impacted by the proposed solar farm development (Figure 6).

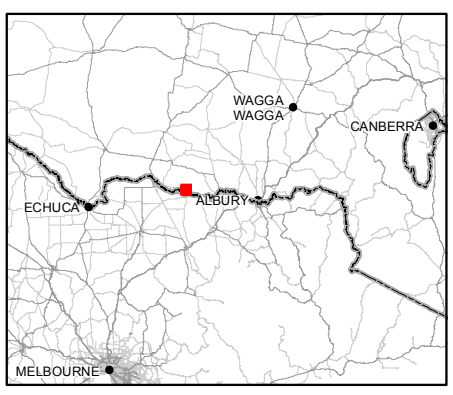
A summary of the impact assessment for the individual sites is addressed below in Table 11.

Table 11 Impact to sites

Site ID	Site Type	Scientific (archaeological) significance	Cultural/Social Significance	Consequence of Impact	Mitigation/Management Methods
55-4-0261/55-4-0257	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
55-4-260/55-4-0259	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Direct impact, loss of cultural value	Surface salvage
55-5-0140	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Direct impact, loss of cultural value	Surface salvage
55-5-0139	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Direct impact, loss of cultural value	Surface salvage
55-5-0138	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is located outside the development footprint, there are no mitigation or management measures for this site
55-4-0258	Isolated Artefact	Low	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
55-5-0132	Modified Tree	Low/Moderate	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take

Site ID	Site Type	Scientific (archaeological) significance	Cultural/Social Significance	Consequence of Impact	Mitigation/Management Methods
					place within this area
55-5-0133	Modified Tree	Low/Moderate	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
55-5-0134	Aboriginal Resource and Gathering	Low	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
55-5-0135	Isolated artefact	Low	No specific cultural/ social significance was provided by the RAPs	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
SU2	Sensitive Aboriginal landform	Moderate	The sand dunes may have been an area of habitation. Potential for archaeological deposits	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area
SU3	Sensitive Aboriginal landform	Moderate	The low-lying swamp may have been an area of habitation. Potential for archaeological deposits	Indirect impact, this site is outside the proposed development footprint	The site is situated within a no-go zone established through high visibility fencing, works will not take place within this area





N

0 190 380 570

Meters

APPROX SCALE 11,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Road network provided by Department of Environment, Land, Water and Planning (DELWP) Web Map Service.
Watercourse data provided by DELWP 2018.
Imagery from Esri basemap layer.

LEGEND

- Project Boundary
- Development Footprint
- Waterbody
- Watercourse
- Cadastre
- Preliminary No Go Zones
- Internal Access
- PV Solar Array
- Site Office, Maintenance Shed, Switchyard and Battery Storage

Mitigation Measures

- Salvage Required
- No Salvage Required
- Scar Tree No Go Zone (25m Buffer)

RPS

Figure 6
No Go Zones
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18037_Mulwala_Solar_Farm\Working\Heritage\Figure6_No_Go_Zones_Mulwala_Solar_Farm_A3P.mxd
Compiled: 21 June 2018

Unexpected Finds Procedure

An unexpected finds procedure will provide a method to manage potential heritage constraints and unexpected finds during construction works. If any Aboriginal object is discovered and/or harmed in, or under the land, while undertaking the proposed development activities, the proponent must:

1. Not further harm the object.
2. Immediately cease all work at the particular location.
3. Secure the area so as to avoid further harm to the Aboriginal object.
4. Notify OEH as soon as practical on 131555, providing any details of the Aboriginal object and its location.
5. Not recommence any work at the particular location unless authorised in writing by OEH.

The entirety of the unexpected finds procedure is outlined in Appendix A.

Discovery of human remains

In the event that skeletal remains are unexpectedly encountered during the activity, work must stop immediately, the area secured to prevent unauthorised access and NSW Police and OEH contacted via the Enviroline 131 555. An OEH officer will determine if the remains are Aboriginal or not; and a management plan must be developed in consultation with the relevant Aboriginal stakeholders before works recommence. Works must not recommence at that location unless authorised in writing by OEH. The entirety of the unexpected finds procedure is outlined in Appendix A.

Ongoing consultation with Aboriginal stakeholder groups

Consultation with registered Aboriginal stakeholders would continue throughout the life of the project as necessary. Ongoing consultation with registered Aboriginal stakeholders would take place in the event of any unexpected Aboriginal objects identified during works.

Management of Aboriginal objects

Temporary storage

During the construction of the Mulwala Solar Farm all unexpected finds and salvaged Aboriginal objects must be kept onsite in the site office in a locked fireproof filing cabinet. The Aboriginal objects are to be recorded onsite as part of heritage best practice and an AHIMS site card is to be prepared and submitted to the AHIMS database.

The Aboriginal objects are to be stored onsite until the completion of construction works. No further harm is to come to the recovered Aboriginal objects during their temporary storage onsite and the RAPs must be consulted with for all Aboriginal object management related activities.

Long term management

Any unexpected finds and salvaged Aboriginal objects identified during the construction of the Mulwala Solar Farm must be reburied at a location in consultation and as decided upon by the RAPs. Once the construction works have been completed, the RAPs must be contacted, and a decision made in consultation with the RAPs where the recovered material will be reburied.

Once the material has been reburied, it must be recorded on the AHIMS database and ASIR forms submitted. The RAPs must be consulted with for all Aboriginal object management related activities.

Part 2: Historic heritage

11 Non-Aboriginal heritage context

11.1 Heritage searches

A search of the State Heritage Inventory and the Corowa Local Environmental Plan revealed a total of three listed heritage items within the suburb of Mulwala. None of these falls within the project area, and therefore will not be impacted by the proposed activity.

Of the registered properties, the Mulwala Station Homestead is the closest to the project area, approximately 850 metres south of the project area.

11.1.1 State Heritage Inventory

The State Heritage Inventory lists three heritage items within Mulwala. Two of these are registered on State government agencies heritage and conservation registers, a requirement under s170 of the *Heritage Act 1977*. None of these items fall within the project area. A full list of the items is in Table 12 below.

Table 12 State Heritage Inventory items in Mulwala

ID	Name	Address	Listing	Distance from project area
4301017	Mulwala Bridge over Murray River	Main Road 314, Mulwala	Roads and Maritime Services s170 heritage and conservation register	3.7 kilometres
4180201	Mulwala Police Station	81 Melbourne Street, Mulwala	NSW Police s170 heritage and conservation register	2.1 kilometres
1460059	Mulwala Station Homestead	Melbourne Street, Mulwala[1]	Corowa Local Environmental Plan 2012	850 metres

[1] Address is incorrectly entered in the SHI, this should be 81-227 Bayly Street, Mulwala.

11.1.2 Corowa Local Environmental Plan 2012

The Mulwala Solar Farm project is located within the Federation Local Government Area. Federation Council was formed in 2016 from the merger of Corowa Shire with Urana Shire. The Corowa Local Environmental Plan (LEP) 2012 is the environmental planning instrument for the Mulwala area.

Schedule 5 of the Corowa LEP identifies locally significant heritage items in the suburb of Mulwala. There are two heritage items listed on the LEP in Mulwala, as detailed in Table 13 below. Neither of these are located within the Project area.

Table 13 Corowa Local Environmental Plan 2012 heritage items in Mulwala

ID	Name	Address	Distance from project area
I75	Mulwala Station Homestead	81-227 Bayly Street, Mulwala	850 metres
I74	Court house	81-85 Melbourne Street, Mulwala	2.1 kilometres

11.2 European land use history

The first Europeans to pass through the region were Hume and Hovell and later Major Mitchell's party in 1836. In 1842, explorer Hamilton Hume assisted his sister-in-law, Elizabeth Hume to form the 'Yarrawonga Run.' Hamilton Hume was an early explorer of New South Wales and Victoria, participating in an expedition from Sydney to Port Phillip in 1842. Built on a sand hill by a lagoon near the Murray River, Elizabeth was the first European to live in north east Victoria. She moved to the area with her nine children, after her husband John Hume was killed by bushrangers in Gunning (Yarrawonga Mulwala 2012).

In 1860, Land Acts broke up the old pastoral runs so as to enable closer settlement and the villages of Yarrawonga and Mulwala to develop with the first bridge between the towns constructed in 1890. The twin towns of Mulwala and Yarrawonga were founded in 1858 and 1868 respectively. Mulwala was called '*mulla-walla'* by the local Aboriginal people, meaning 'Big Lagoon'. This later became Lake Mulwala following the creation of the Yarrawonga Weir. The name Yarrawonga comes from the Aboriginal words *'yarra'* meaning running water and *'wonga'* after the wonga pigeon which was plentiful in the region. At one stage there was a natural crossing below the weir which was used by Aboriginal people, native animals and later by white settlers (Bell 2007b, 8; Loughnan 1968, 11). Prior to European settlement, according to Loughnan, the Mulwala Aboriginal people camped on Quarry Hill and also at 'Whitehead's property (M. Bell pers. comm. 2006) (Jo Bell Heritage Services 2011, 23). Consultation with the RAPs further confirmed that the Murray River and potentially the land surrounding artificial Lake Mulwala would have been a rich resource zone and focal point within the landscape.

Following the Land Acts of the 1850s–1870s, all the large squatting and pastoral runs were subdivided into smaller agricultural allotments. During the early years of the agricultural period in the Yarrawonga-Bundalong district, cattle and sheep grazing were the main activities along with wheat growing. Later, apiculture and hardwood forests became quite lucrative industries given the extensive red gum forests, which lined the river system. The timber industry flourished as a result of rail and river transport. Timber was required for fuel and the hardwood was also harvested for durable construction timber and rail sleepers (LCC 1983, 29) (Bell & Edwards 2011, 28).

As a result of the discovery of gold in Victoria in the early 1850s, large numbers of trees were logged in the forests along the Murray River to provide timber for the new gold towns, such as Bendigo and Castlemaine. Sleepers for the Bendigo to Echuca railway were also cut from Murray River plains woodland with riverboats travelling along the river to collect them. The railway was extended to Yarrawonga in 1886 but before this, extensive use of riverboats was the norm (Biosis Research 2011, 23). Paddle steamers would traverse the Murray as far away as Albury to transport a wide range of general merchandise, including timber, wheat and wool. James McRae of Mulwala was the first to run a punt across the river in the 1850s. It was 1893 before a wooden bridge crossed the river, with a lifting section to allow passage for riverboats. It was replaced in 1924 with a prestressed concrete and steel bridge. The railway arrived in Yarrawonga in 1886, but a railway bridge was not built until 1932. It was replaced in 1989 by a concrete and steel structure (RTA 2004).

Lake Mulwala

Lake Mulwala plays a critical role in the irrigating the region, supplying water to 128,000 hectares. Lake Mulwala was created in 1939 when the Murray River was dammed at the Yarrawonga Weir as part of the Murray-Darling Irrigation Scheme. The long drought of 1877-81 instigated the need for irrigation works in the area. Prior to this, dry land farming had been a prosperous enterprise in the region. Small-scale government-based and private irrigation systems were set up in the area during the1880s and 1890s however, it was not until the 1930s that large-scale irrigation in the area was realised with the creation of the Hume dam and the Yarrawonga weir (LCC 1983, 38; Jones 1979, 72; Bell *et al* 2001, 11) (Bell & Edwards 2011, 28). In 1938 a group of local men began clearing the red gum forest for the construction of the Lake. The tree felling was completed in June 1939 and the first filling of the lake began in August of 1939. Consequently through clearing the red gum forest, any culturally scarred trees within the vicinity of the ancestral streams of the Murray have been lost.

The Yarrawonga Weir was built to raise the water level in the Murray River to ensure diversion of water with gravity. Diversion of water is via two major channels, the Mulwala Canal and the Yarrawonga Main Channel. The Mulwala Canal is 2,880 kilometres long and is the largest irrigation canal in the southern hemisphere, spreading across the southern Riverina plain to Deniliquin and suppling water to 700,000 hectares. The Yarrawonga Main Channel is 957km long and services the Murray Valley irrigation region, from Yarrawonga to Barmah.

History of the Project Area

The project area has been used for agricultural production since European settlement in the region. The landscape of the area has been significantly modified through its long history of agricultural land use. Alexander and Ann Sloane were dryland farmers who owned the current project area and established the Savernake Station, approximately 20 kilometres north, in 1862. Alexander Sloane owned the majority of properties running between Mulwala-Savernake Road and the parallel Corowa-Boundary Road north towards the Wahgunyah State Forest and beyond towards the homestead. Alexander Sloane was one of Australia's most notable Corriedale sheep breeders and was an early pioneer of irrigation in southern Riverina. In the droughts of 1908 and 1914 he pumped water by steam pumps from the Murray into a lagoon and further onto larger quantities of fodder crops that were produced for stock feeding (Obituaries Australia 1956).

The heritage listed Homestead - Savernake Station, at its peak covered over 20,000 hectares and carried up to 40,000 sheep. Drought in 1864 forced the Sloane family to purchase the neighbouring Mulwala Station. The station, with its Murray River frontage and the majority of properties in-between provided them with access to a reliable water supply (Woods 2013). Originally the land was 6000 hectares of unfenced scrub with shepherds employed to guard the flocks from native dogs, but over 40 years it developed into a substantial and prosperous sheep station. The founder, Alexander Sloane, bred the flock from 1863 to 1878; his son, James Sloane, who grew up with the stud took over in 1878 and carried on until 1932, when in turn, his son, Alexander James Sloane took over the responsibilities of the stud and homestead.

There has been a considerable amount of disturbance across the ground surface of the project area in recent times. The entire project area has been significantly modified through land clearance, construction of infrastructure and pastoral practices. The project area has been subject to the complete removal of native vegetation with the exception of isolated scattered patches of mature native trees. Consequently, the condition of potential archaeological sites within the project area has been impacted (Andrew Long & Associates 2008, 32). Through practices such as ploughing, the movement of livestock and harvesting taking place on site, the potential for archaeological remains to have survived and be present on the surface is slim. However, the sandy nature of portions of the site provides the opportunity for intact remains to exist below the ground surface.

12 Visual Inspection & Summary of findings

12.1 Visual Inspection

A visual inspection for historic heritage throughout the project area was conducted on 19th April 2018. There were no areas of historic heritage identified throughout the visual inspection and no indication of subsurface features present. A search of State Heritage Inventory and Corowa Local Environmental Plan 2012 identified that the closest registered historic property to the project area is the Mulwala Station Homestead (SHI 1460059; Corowa LEP I75), approximately 850 metres south of the project area located at 81-227 Bayly Street, Mulwala. This property was not inspected as part of the Mulwala Solar Farm survey and will not be impacted by the proposed activity.

12.2 Summary of findings

The search of the SHR, Section 170 Heritage and Conservation Register and Berrigan LEP 2013 identified there are no historic heritage items in the project area. No historic heritage items were identified during a visual inspection of the project area. A review of the historic context has identified that the project has been used for agricultural uses. This has contributed to the loss and destruction of any historic heritage in the project area.

12.3 Statement of Heritage Impact and heritage significance

The visual inspection for historic heritage did not identify any historic heritage sites. Additionally, there were no areas of archaeological potential identified in the project area. As a result, there are no impacts to heritage items within the project area. During the visual inspection, it was concluded that due to the isolated nature and lack of surrounding nearby historic heritage there will be no impact to the visual amenities or landscapes associated with any historic heritage.

As there are no historic heritage items in the project area there is no requirement to assess the impact to heritage items within the project area. As there are no heritage items within the project area there is no requirement for a significance assessment.

12.4 Mitigation and management measures

As there are no recorded or unrecorded heritage items within the project area, there are no mitigation or management measures required. Furthermore, there are no areas of historic archaeological potential and therefore, it is highly unlikely that archaeological sites will be identified. Recommendation 11 should be followed in the unlikely event of the identification of potential historic heritage is identified.

Part 3: Conclusions and recommendations

13 Aboriginal Heritage

13.1 Conclusions

The proximity of the project area to the original Murray River channel may have influenced Aboriginal subsistence patterns, with small creeks and rivers supporting a wide range of faunal and floral resources prior to European arrival. Prior to, and in the early years of European settlement, the study area contained an association of natural resources, which would have made the land suitable for settlement by indigenous people. Plants and animals which were used by the indigenous groups in the area would have been readily available and there was a seasonally diverse range of food plants present within the broader area (Heritage Insight 2006, 14).

Due to the land-use history of the study area, being cleared for grazing and agricultural development, it is high unlikely that any surface or near-surface remains of past indigenous campsites will be present and *in situ*. Similarly, through the clearing of vegetation it is clear that any scarred trees have been destroyed as few native trees are present within the project boundary and these were subject to visual inspection.

13.2 Recommendations

Recommendation 1

There are four no-go zones established within the project area (Figure 6). The large no-go zones harbour sensitive landforms. The two smaller no-go zones harbour scarred trees. The no-go zones are to be marked out with high visibility fencing prior to commencement of works. No works will take place within the no-go zones. All staff and subcontractors are to be made aware of the no-go zone locations and to avoid them at all times.

Recommendation 2

AHIMS sites 55-4-0258, 55-4-0261/55-4-0257, 55-5-0134 and 55-5-0135 are located within the no-go zones. No works will take place within these area (Figure 6). These sites will not be impacted. There are no mitigation or management measures for these sites due to their position within the no-go zone. All staff and subcontractors are to be made aware of the sites locations and to avoid them at all times. No harm is to come to AHIMS sites 55-4-0258, 55-4-0261/55-4-0257, 55-5-0134 and 55-5-0135.

Recommendation 3

AHIMS sites 55-5-0132 and 55-5-0133 are located outside the development footprint and within a no-go zone. These sites will not be impacted. The mitigation measure for these sites is the installation of high visibility fencing extending from the edge of the formed access track, Lambruck Lane to the northern-most fence line of the southern portion of the project area. All staff and subcontractors are to be made aware of the sites locations and to avoid them at all times. No harm is to come to AHIMS sites 55-5-0132 and 55-5-0133.

Recommendation 4

AHIMS site 55-5-0138 is located outside of the development footprint and therefore will not be impacted. There are no mitigation or management measures for this site.

Recommendation 5

RPS recommends that prior to any site work commencing, a surface salvage of AHIMS sites 55-4-260/55-4-0259, 55-5-0140 and 55-5-0139 must occur as these sites are within the proposed development footprint. After the surface salvage, an Aboriginal Site Impact Recording Form must be completed and submitted to AHIMS.

Recommendation 6

RPS recommends that all relevant personnel, contractors and subcontractors are made aware of the legal obligations for Aboriginal cultural heritage under the National Parks and Wildlife Act 1974 through an on-site toolbox talk or induction prior works commencing.

Recommendation 7

If any unrecorded Aboriginal objects are identified while undertaking the proposed development activities in the Project Area, then all works in the immediate area must cease and the area should be cordoned off and secured and the proponent must avoid further harm to the Aboriginal object. OEH must be notified via the Enviroline 131 555 as soon as practicable providing details of the Aboriginal object/s and the site location. The RAPs are to be notified along with the heritage consultant to ensure the site is assessed and managed. Works must not recommence at that particular location unless authorised in writing by OEH.

Recommendation 8

In the unlikely event that skeletal remains are identified, work must cease immediately in the vicinity of the remains and the area must be cordoned off. The proponent must contact the local NSW Police who will make an initial assessment as to whether the remains are part of a crime scene or possible Aboriginal remains. If the remains are thought to be Aboriginal, OEH must be contacted via the Enviroline 131 555. An OEH officer will determine if the remains are Aboriginal or not; and a management plan must be developed in consultation with the relevant Aboriginal stakeholders before works recommence. Works must not recommence at that location unless authorised in writing by OEH.

14 Historic (Non-Aboriginal Heritage)

14.1 Conclusions

This report has considered the available environmental and archaeological information for the project area, the land condition, as well as, the nature of the proposed activities.

- Heritage register searches did not identify any items within the project area
- No previously unidentified heritage items were identified within the project area.
- No areas of archaeological potential were identified within the project area.

14.2 Recommendations

Recommendation 9

The proposed works within the project area will not impact on any known historic (non-Aboriginal) objects or places. Works may proceed with caution.

Recommendation 10

RPS recommends that all relevant personnel, contractors and subcontractors are made aware of the legal obligations for historic (non-Aboriginal) heritage under the *Heritage Act 1977* through an on-site toolbox talk or induction prior to works commencing.

Recommendation 11

If suspected archaeological resources are identified, work within the affected area must cease and the area cordoned off. The Heritage Division of the OEH must be notified by ringing the Enviroline on 131 555 so that it can be adequately assessed and managed in accordance with Section 146 of the *Heritage Act 1977*. The heritage consultant is to be notified.

15 References

Andrew Long & Associates, 2008. *Silverwoods Residential and Resort Development, 8656 Murray Valley Highway, Yarrawonga: Aboriginal Cultural Heritage Managemet Plan,* Melbourne: s.n.

Atkinson, W. & Berryman, A., 1983. *Aboriginal Association with the Murray Valley Study Area,* s.l.: s.n.

Austral Heritage Consultants, 1997. *An Archaeological Survey of the Proposed Browning Road Diversion Drain, Yarrawonga,* Melbourne: Goulburn-Murray Water.

Barwick, D., 1984. Mapping the Past: An Atlas of Victorian Clans 1835-1904. *Aboriginal History,* Volume 8, pp. 100-131.

Bell, J. & Edwards, A., 2011. *Proposed Water Main and Reticulation Network, Murray Valley Highway, Yarrawonga to Bundalong Cultural Heritage Management Plan,* Euroa: Jo Bell Heritage Services.

Beveridge, P., 1889. *The Aborigines of Victoria and Riverina.* Melbourne: M.L. Hutchinson.

Biosis Research, 2011. *Proposed residential subdivision at 2-10 Botts Road, Yarrawonga Victoria: Cultural Heritage Management Plan,* s.l.: Biosis Research .

Bureau of Meteorology, 2018. *Monthly Rainfall: Mulwala Post Office.* [Online]
Available at:
http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_nccObsCode=139&p_display_type=dataFile&p_startYear=&p_c=&p_stn_num=074081
[Accessed 8 March 2018].

Cochrane, G., Quick, G. & Spencer-Jones, D., 1995. *Introducing Victorian Geology.* s.l.:Geological Society of Australia (Victorian Division).

Conran, J. & Gott, B., 1991. *Victoria Koorie Plants.* Hamilton: Aboriginal Keeping Place.

Curr, E., 2001 (1883). *Recollections of Squatting in Victoria.* Echuca: Rich River Printers.

Dawson, J., 1881. *Australian Aborigines: the language and customs of several tribes of Aborigines in the western district of Victoria.* Melbourne: George Robertson.

Frankel, D. & Major, J., 2017. *Victorian Aboriginal Life and Customs Through Early European Eyes.* Melbourne: La Trobe University.

Fraser, J., 1892. *The Aborigines of New South Wales.* Sydney: s.n.

Furphy, S., 2013. *Edward M. Curr and the Tide of History.* s.l.:ANU Press.

Gott, B. & Zola, N., 1992. *Koorie Plants Koorie People: Traditional Aboriginal Food, Fibre and Healing Plants of Victoria,* Melbourne: Koorie Heritage Trust.

Hagen, R., 2001. Ethnographic informaiton and anthropological interpretations in a native title claim: the Yorta Yorta experience. In: *Aboriginal History.* s.l.:s.n., pp. 216-227.

Heritage Insight, 2006. *Yarrawonga Waste Water Treatment Plant Relocation Study,* Melbourne: s.n.

Howitt, A., 1904. *The Native Tribes of South-East Australia.* London: s.n.

Jones, G., 1979. *People, Places and Things of the North East.* Wangaratta : Charquin Hill.

Land Conservation Council, 1983. *Report on the Murray Valley Area.* Melbourne: Land Conservation Council.

Land Conservation Council, 1985. *Murray Valley Area: Final Recommendations,* Melbourne: s.n.

Loughnan, A. N., 1968. *From Ballanda to 1968: The Story of Yarrawonga,* Yarrawonga: Yarrawonga Apex Club.

Lusty, D., 1993. *Heritage impact study of the proposed community surface drain 36G, Corop Lakes Drainage Area,* s.l.: Aboriginal Affairs Victoria.

Margules and Partners Pty Ltd, 1990. *Riparian Vegetation of the River Murray,* s.l.: Murray-Darling Basin Commission.

Obituaries Australia, 1956. *Sloane, John Alexander (1877 1956).* [Online]
Available at: http://oa.anu.edu.au/obituary/sloane-john-alexander-919
[Accessed 6 March 2018].

Roads and Traffic Authority, 2004. *Bridging the Murray River Albury to Swan Hill Regions: Hertiage Drives Self-Guided Tours ,* s.l.: Roads and Traffic Authority.

Smyth, R. B., 1878. *The Aborigines of Victoria: with notes relatig to the habits of the natives of other parts of Australia and Tasmania.* Melbourne: J. Ferres.

Stanner, W., 1965. Aboriginal territorial organization: estate, range, domain, and regime. *Oceania,* Volume 36, pp. 1-26.

Terra Culture, 2001. *A Heritage Assessment of Proposed Works Area, Yarrawonga Weir,* Melbourne: s.n.
Thompson, C., 1996. *An Archaeological Survey of North East Victoria,* Melbourne: Aboriginal Affairs Victoria.
Topographic-Map.com, n.d. *Mulwala.* [Online]

Available at: http://en-nz.topographic-map.com/places/Mulwala-2075705/
[Accessed 8 March 2018].

Victorian Resources Online, 2017. *Geology and Geomorphology.* [Online]
Available at: http://vro.agriculture.vic.gov.au/dpi/vro/neregn.nsf/pages/ne_soil_detailed_rutherglen_geology
[Accessed 1 March 2018].

Whittaker, D., 1963. *Wangaratta: Being the History of the Township that Sprang Up at Ovens Crossing and Grew Into a Modern City, 1824-1883,* Melbourne: Wangaratta City Council.

Woods, K., 2013. *Stock and Land: Mulwala 150 Years in the making.* [Online]
Available at: http://www.stockandland.com.au/story/3555970/mulwala-150-years-in-the-making/
[Accessed 6 March 2018].

Yarrawonga Mulwala Tourism, 2012. *Lake Mulwala & the Yarrawonga Weir.* [Online]
Available at: http://www.yarrawongamulwala.com.au/about/history/lake-mulwala.html
[Accessed 28 February 2018].

Yarrawonga Mulwala, 2012. *Early Settlement.* [Online]
Available at: http://www.yarrawongamulwala.com.au/about/history/early-settlement.html
[Accessed 6 March 2018].

Appendix A

Unexpected Finds Protocol

Purpose

This procedure has been developed to provide a consistent method for managing unexpected heritage items that are discovered during the construction of Mulwala Solar Farm This procedure includes notification obligations under the *National Parks and Wildlife Act 1974*, *Aboriginal and Torres Strait Islander Heritage Protection Act 1984* (Cth) and the *Coroner's Act 2009* (NSW).

Scope

This procedure assumes that an appropriate level of Aboriginal heritage assessment has been undertaken prior to on site project work commencing. In some case, such as exempt development, detailed heritage assessment may not be required. Despite appropriate and adequate investigation, unexpected heritage items may still be discovered during maintenance and construction works. When this happens, this procedure must be followed. This procedure provides direction on when to stop work, where to seek technical advice and how to notify the regulator, if required.

This procedure applies to the discovery of any unexpected Aboriginal heritage items where the construction of the Mulwala Solar Farm does not have the approval to disturb the item. This procedure must be followed by staff, contractors, or any person undertaking works for the project.

This procedure does not apply to:

- The legal discovery and disturbance of heritage items as a result of investigations being undertaken in accordance with the Office of Environment and Heritage's *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW* (2010) or an Aboriginal Heritage Impact Permit (AHIP) issued under the *National Parks and Wildlife Act 1974.*
- The legal discovery and disturbance of heritage items as a result of construction related activities, where the disturbance is permissible in accordance with an AHIP.

All construction environment management plans (CEMPs) must make reference to and/or include this procedure (often included as construction heritage management sub-plan). Where approved CEMPs exist they must be followed in the first instance. Where there is a difference between approved CEMPs and this procedure, the approved CEMP must be followed. Where an approved CEMP does not provide sufficient detail on particular issues, this procedure should be used as additional guidance. When in doubt always seek environment and legal advice on varying approved CEMPs.

Types of unexpected heritage items and their legal protection

The roles of project, field and environmental staff are critical to the early identification and protection of unexpected heritage items. Subsequent confirmation of heritage discoveries must then be identified and assessed by a suitably qualified and experienced heritage professional (usually an archaeologist). An 'unexpected heritage item' means any unanticipated discovery of an actual or potential heritage item, for which ESCO Pacific does not have approval to disturb or does not have a safeguard in place (apart from this procedure) to manage the disturbance. It must be noted, disturbance is considered to be any physical

interference with the item that results in it being destroyed, defaced, damaged, harmed, impacted or altered in any way (this includes archaeological investigation activities.

These discoveries are categorised as either:

- Aboriginal objects
- Human skeletal remains.

Unexpected heritage items procedure

Specific tasks to be implemented following the discovery of an unexpected heritage item

Table 14 Unexpected heritage item procedure

Step	Task	Responsibility
1	**Stop work, protect item and inform ESCO Pacific project manager**	
1.1	Stop all work in the immediate area of the item and notify the project manager.	All
1.2	Establish a no-go zone around the item. Use high visibility fencing, where practical.	Project manager
1.3	Inform all site personnel about the no-go zone. No further interference, including works, ground disturbance, touching or moving the item must occur within the no-go zone.	Project manager
1.4	Inspect, document and photograph the item. Send documentation to cultural heritage consultant (Step 2)	Project manager
1.5	Is the item likely to be bone? If yes, where it is obvious that the bones are human remains, you must notify the local police by telephone immediately. They may take command of all or part of the site. If no, proceed to next step.	Project manager
1.6	Is the item likely to be an Aboriginal object? An Aboriginal object may include a shell midden, stone tools, bones, rock art or a scarred tree. If yes, proceed directly to Step 2. If no, proceed to next step.	Project manager
1.7	Project manager to determine whether an approval or safeguard is in place (apart from this procedure) to impact on the item. Is this ACHAR Approved? If yes, work may recommence in accordance with the approval, permit or safeguard. There is no further requirement to follow this procedure. If no, continue to next step.	Project manager
2	**Contact and engage a cultural heritage consultant**	
2.1	Contact a cultural heritage consultant to discuss the location and extent of the item and to arrange a site inspection, if required.	Project manager
2.2	If requested, provide photographs of the item to the cultural heritage consultant.	Project manager
3	**Preliminary assessment and recording of the find**	

Step	Task	Responsibility
3.1	In a minority of cases, the cultural heritage consultant may determine from the photographs that no site inspection is required because no archaeological constraint exists for the project (eg the item is not an 'Aboriginal object'). Any such advice should be provided in writing (ie via email) and confirmed by the Project Manager. If this is the case, proceed to Step 8.	Project manager Cultural heritage consultant
3.2	Arrange site access for the cultural heritage consultant to inspect the item as soon as practicable. In the majority of cases a site inspection is required to conduct a preliminary assessment.	Project manager Cultural heritage consultant
3.3	Subject to the cultural heritage consultant's assessment, work may recommence at a set distance from the item. This is to protect any other archaeological material that may exist in the vicinity, which has not yet been uncovered. Existing protective fencing established in Step 1.2 may need to be adjusted to reflect the extent of the newly assessed protective area. No works are to take place within this area once established.	Project manager Cultural heritage consultant
3.4	The cultural heritage consultant may provide advice after the site inspection and preliminary assessment that no archaeological constraint exists for the project (eg the item is not an 'Aboriginal object'). Any such advice should be provided in wiring (ie via email) and confirmed by the Project Manager. If this is the case, proceed to Step 8.	Project manager Cultural heritage consultant
3.5	Where required, seek additional specialist technical advice (such as a forensic or physical anthropologist to identify skeletal remains).	Project manager
3.6	Where the item has been identified as an Aboriginal object, the cultural heritage consultant should formally record the item.	Cultural heritage consultant
3.7	The regulator can be notified informally by telephone at this stage by the cultural heritage consultant or project manager.	Project manager Cultural heritage consultant
4	**Prepare an archaeological management plan – skeletal remains**	
4.1	The cultural heritage consultant must prepare an archaeological management plan shortly after the site inspection. This plan is a brief overview of the following: (a) description of the feature, (b) historic context, if data is easily accessible, (c) likely significance, (d) heritage approval and regulatory notification requirements, (e) heritage reporting requirements, (f) stakeholder consultation requirements, (g) relevance to other project approvals and management plans etc.	Cultural heritage consultant
4.2	In preparing the plan, the cultural heritage consultant must review the CEMP, any heritage sub-plans, any conditions of heritage approvals, conditions of project approval, and heritage assessment documentation (eg Aboriginal Cultural Heritage Assessment Report) This will outline if the unexpected item is consistent with previous heritage/project approval(s) and/or previously agreed management strategies. The project manager must provide all relevant documents to the cultural heritage consultant to assist with this. Discussions should occur with design engineers to consider if re-design options exist and are appropriate.	Project manager Cultural heritage consultant
4.3	The cultural heritage consultant must submit this plan as a letter, brief report or email to the project manager outlining all relevant archaeological or heritage issues. This plan should be submitted to the project manager as soon as practicable. Given that the archaeological management plan is an overview of all the necessary requirements (and the urgency of the situation), it should take no longer than two working days to submit to the project manager.	Project manager Cultural heritage consultant

Step	Task	Responsibility
4.4	The Project Manager or Works Supervisor must review the archaeological or heritage management plan to ensure all requirements can reasonably be implemented.	Project manager
5	**Notify the regulator, if required**	
5.1	Review the archaeological or heritage management plan to confirm if regulator notification is required. Is notification required? If **no**, proceed directly to Step 6. If **yes**, proceed to next step.	Project manager
5.2	If notification is required, notify the relevant regulator in writing. Notification for Aboriginal objects must be given to the relevant Aboriginal section of OEH. Informal notification (via a phone call or email) to the regulator prior to sending the letter is appropriate. The archaeological management plan and the completed site recording form must be submitted with the notification letter. A copy of correspondence should be kept on file by the project manager.	Project manager
6	**Implement archaeological management plan**	
6.1	Modify the archaeological or heritage management plan to take into account any additional advice resulting from notification and discussions with the regulator.	Project manager Cultural heritage consultant
6.2	Implement the archaeological or heritage management plan. Where impact is expected, this would include such things as a formal assessment of significance and heritage impact assessment, preparation of excavation or recording methodologies, consultation with registered Aboriginal parties, obtaining heritage approvals etc, if required.	Project manager
6.3	Where statutory approvals (or project approval modification) are required, impact upon relics and/or Aboriginal objects must not occur until heritage approvals are issued by the appropriate regulator.	Project manager
6.4	Ensure short term and permanent storage locations are identified for archaeological material or other heritage material is removed from site, where required. Interested third parties (eg museums or local councils) should be consulted on this issue. Contact regional environment staff and Senior Environmental Specialist (Heritage) for advice on this matter, if required.	Project manager
7	**Review CEMPs and approval conditions**	
7.1	Check whether written notification is required to be sent to the regulator before recommencing work. Where this is not explicit in heritage approval conditions, expectations should be clarified directly with the regulator.	Project manager
7.2	Update the CEMP, site mapping and project delivery program as appropriate with any project changes resulting from final heritage management (eg retention of heritage item, salvage of item). Updated CEMPs must incorporate additional conditions arising from any heritage approvals, and Aboriginal community consultation if relevant. Include any changes to CEMP in site induction material and update site workers during toolbox talks.	Project manager
8	**Resume work**	
8.1	Seek written clearance to resume project work from regional environment staff and the cultural heritage consultant (and regulator, if required). Clearance would only be	Project manager

Step	Task	Responsibility
	given once all archaeological excavation and/or heritage recommendations (where required) are complete. Resumption of project work must be in accordance with all relevant project/heritage approvals/determinations.	Cultural heritage consultant
8.2	If required, ensure archaeological excavation/heritage reporting and other heritage approval conditions are completed in the required timeframes. This includes artefact retention repositories, conservation and/or disposal strategies	Project manager
8.3	If additional unexpected items are discovered this procedure must begin again from Step 1.	Project manager

Appendix A

Consultation

Consultation Log

Consultation Log

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
9/02/2018	Big 7 letters posted to all organisations	n/a	Post	
9/02/2018	Big 7 letters emailed to OEH, Murray LLS, Federation Council, Cummeragunja LALC, NNTT, NTSCorp, Registrar of ALRA	n/a	Email	
15/02/2018	Office of the Registrar, Aboriginal Land Rights Act 1983	Email with attachment	Email	Email with attachment from ALRA advising that there are no Registered Aboriginal Owners pursuant to Div 3 of ALRA in the project area. Recommendation that RPS contacts Cummeragunja Local Aboriginal Land Council.
16/02/2018	Public		Newspaper advertisement	Advertisement inviting EOI in Shepparton News.
20/02/2018	National Native Title Tribunal	Email with attachment	Email	Email with attachment from NNTT detailing Native Title search results within Federation Council LGA. No Native Title matters on the property.
21/02/2018	Public		Newspaper advertisement	Advertisement inviting EOI in Cobram Courier, Yarrawonga Chronicle, Southern Riverina News.
27/02/2018	Office of Environment and Heritage		Phone	Contacted OEH to follow up on response to ACHCR. Additional email sent upon request for OEH's response to be received.
27/02/2018	Office of Environment and Heritage	Email	Email	Email received with list of registered RAP's for Federation LGA.
27/02/2018	Cummeragunja Local Aboriginal Land Council	Email		Automatic email bounce back received to say email was undeliverable.
27/02/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted the LALC at 11:30am and 1:00pm with no response.
27/02/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent follow up email.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
2/03/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted LALC at 1:30pm with no response.
5/03/2018	Albury and District LALC		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Narrandera LALC		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Wagga Wagga LALC		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Griffith LALC		Mail	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Bangerang Aboriginal Corporation		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Yalmambirra		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2018	Bundyi Aboriginal Cultural Knowledge		Email	Sent EOI letter requesting receipt of EOIs by 20 March 2018.
5/03/2008	Cummeragunja Local Aboriginal Land Council		Phone	Contacted LALC mobile at 1pm with no response.
5/03/2018	Bundyi Aboriginal Cultural Knowledge	Email	Email	Email EOI from Mark Saddler for Bundyi Aboriginal Cultural Knowledge. Email acknowledged by Erin Williams.
6/03/2018	Cummeragunja Local Aboriginal Land Council	Phone	Phone	Contacted by Rebecca Atkinson confirming EOI for Cummeragunja LALC.
7/03/2018	Albury and District LALC	Email		Automatic email bounce back received to say email was undeliverable.
7/03/2018	Albury and District LALC		Mail	Posted EOI letter to registered address as alternative contact.
8/03/2018	Bangerang Aboriginal Corporation	Phone	Phone	Contacted by Kevin Atkinson confirming EOI for Bangerang Aboriginal Corporation.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
8/03/2018	Bangerang Aboriginal Corporation		Email	Emailed methodology to Kevin Atkinson for review.
8/03/2018	Cummeragunja Local Aboriginal Land Council		Email	Emailed methodology to Rebecca Atkinson for review.
8/03/2018	Bundyi Aboriginal Cultural Knowledge		Email	Emailed methodology to Mark Saddler for review.
21/03/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted Rebecca Atkinson to receive feedback for the methodology, there were no recommendations made. Rebecca did express some concerns regarding the appropriate RAP boundaries and the involvement of other groups.
21/03/2018	Bundyi Aboriginal Cultural Knowledge		Phone	Contact Mark Sadler to receive feedback for the methodology, there was no response.
21/03/2018	Bangerang Aboriginal Corporation		Phone	Contacted Kevin Atkinson to receive feedback for the methodology, there was no response. A voicemail from Kevin was later received stating he did not have any feedback although needed more time for further consideration of the methodology.
28/03/2018	Bangerang Aboriginal Corporation		Phone	Contacted Kevin Atkinson and received verbal confirmation that there is no feedback to the methodology.
28/03/2018	Bundyi Aboriginal Cultural Knowledge			Contacted Mark Sadler to receive feedback for the methodology, there was no response.
28/03/2018	Bundyi Aboriginal Cultural Knowledge		Email	Emailed Mark Sadler to request feedback for the methodology and provide notification of intended fieldwork date on Tues 10 April.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
28/03/2018	Bundyi Aboriginal Cultural Knowledge	Email	Email	Contacted by Mark Sadler requesting that RPS contact his mobile number directly to discuss the methodology fieldwork date.
28/03/2018	Bundyi Aboriginal Cultural Knowledge		Phone	Contacted Mark Sadler to receive feedback for the methodology, he stated that he needed more time for further consideration to supply feedback. There was a coordination issue with scheduling fieldwork as Mark would not be able to assist in the field survey on the suggested date of Tuesday 10 April. He proposed that 16, 18 and 19 April would be better suited for fieldwork with his schedule.
28/03/2018	Bangerang Aboriginal Corporation		Phone	Contacted Kevin Atkinson to propose a date change for fieldwork, changing the scheduled date from Tuesday 10 April to Wednesday 18 April, the date change was accepted.
28/03/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted Rebecca Atkinson to discuss the date change, there was no response. A voicemail message was left.
28/03/2018	Bundyi Aboriginal Cultural Knowledge	Email	Email	Contacted by Mark Sadler requesting additional mapping for the project, no feedback to the methodology was provided.
29/03/2018	Bundyi Aboriginal Cultural Knowledge		Email	Additional maps of the Mulwala project boundary were sent to Mark Sadler.
29/03/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted Rebecca Atkinson to inform of the fieldwork date change, the change was accepted.
29/03/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent follow up email to the phone conversation.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
3/04/2018	Bangerang Aboriginal Corporation		Email	Sent invitation for fieldwork.
3/04/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent invitation for fieldwork.
3/04/2018	Bundyi Aboriginal Cultural Knowledge		Email	Sent invitation for fieldwork.
3/04/2018	Bundyi Aboriginal Cultural Knowledge	Email	Email	Mark Sadler requested that his fee proposal for fieldwork be reviewed and the meeting place be clearly outlined. RPS accepted the proposal and forwarded the details of the meeting location.
9/04/2018	Bangerang Aboriginal Corporation		Email	Sent request to confirm fieldwork and the details of the representative to be in the field.
9/04/2018	Bundyi Aboriginal Cultural Knowledge		Email	Sent request to confirm fieldwork.
9/04/2018	Bundyi Aboriginal Cultural Knowledge		Phone	Mark Sadler requested that he be contacted to discuss and reconfirm the fieldwork arrangements, a follow-up email was sent.
9/04/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent email requesting details of the two representatives for fieldwork.
10/04/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent notification of registered Aboriginal parties.
			Post	Sent notification of registered Aboriginal parties.
10/04/2018	Office of Environment and Heritage		Email	Sent notification of registered Aboriginal parties.
			Post	Sent notification of registered Aboriginal parties.
10/04/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent request to confirm the details of the two representatives who will be participating in the fieldwork.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
11/04/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted Rebecca requesting details of the two representatives to be involved in fieldwork, there was no answer. A voicemail message was left.
11/04/2018	Bangerang Aboriginal Corporation		Phone	Contacted Kevin Atkinson requesting the details of the representative to be involved in fieldwork, he needs more time to finalise and confirm.
13/04/2018	Bangerang Aboriginal Corporation	Phone	Phone	Contacted by Kevin Atkinson to confirm the details of the two representatives for fieldwork, Roland and Dave.
13/04/2018	Bangerang Aboriginal Corporation		Email	Sent follow up email to Kevin to clarify that RPS will only accept one invoice for the two representatives.
16/04/2018	Cummeragunja Local Aboriginal Land Council	Email		Rebecca Atkinson confirmed that Neville Atkinson would be the representative for the LALC.
		Phone		Rebecca Atkinson called to request a date change for the survey as Neville would not be available on the Wednesday 18th, Thursday 19th was accepted. A follow up email was sent.
16/04/2018	Bundyi Aboriginal Cultural Knowledge		Phone	Contacted Mark Saddler requesting a date change for the survey to Thursday 19th April, this change was accepted. A follow up email with details was sent.
16/04/2018	Bangerang Aboriginal Corporation	Phone		Contacted Kevin Atkinson requesting a date change for the survey to Thursday 19th April, this change was accepted. A follow up email was sent.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
	Bangerang Aboriginal Corporation	Phone		Sent text message to the representatives Roland and Dave to confirm the date change and details of survey.
16/04/2018	Bangerang Aboriginal Corporation		Phone	Contacted Freddie Dowling to discuss any cultural knowledge of the project area.
19/04/2018	Bangerang Aboriginal Corporation Bundyi Aboriginal Cultural Knowledge Cummeragunja LALC			Conducted fieldwork 10am - 4pm.
20/04/2018	Bundyi Aboriginal Cultural Knowledge	Email		Mark Sadler sent through invoice for fieldwork.
23/04/2018	Bangerang Aboriginal Corporation		Phone	Contacted Freddie Dowling to discuss the results of the survey.
24/04/2018	Cummeragunja Local Aboriginal Land Council Bangerang Aboriginal Corporation	Email		Rebecca Atkinson sent through invoice for the LALC and Bangerang Aboriginal Corporation.
30/04/2018	Cummeragunja Local Aboriginal Land Council		Email	Requested details of Roland and Dave for report.
30/05/2018	Bundyi Aboriginal Cultural Knowledge		Email	Requested report from Mark Saddler, he is awaiting confirmation from Neville Atkinson to forward the report.
19/06/2018	Bundyi Aboriginal Cultural Knowledge		Phone	Contacted Mark Saddler requesting feedback for the ACHAR and a copy of his report from the fieldwork. Mark requested that the ACHAR be sent via email for review.
19/06/2018	Bundyi Aboriginal Cultural Knowledge		Email	Sent follow up email from conversation with report attached and notice of the deadline.
19/06/2018	Bundyi Aboriginal Cultural Knowledge	Email		Received report from Mark Sadler with recommendations incorporated.
19/06/2018	Cummeragunja Local Aboriginal Land Council			Sent email requesting feedback.

Date	Consulted Organisation	Received by RPS	Method of Contact	Details
19/06/2018	Bangerang Aboriginal Corporation		Email	Sent email requesting feedback.
19/06/2018	Bangerang Aboriginal Corporation		Phone	Contacted Kevin Atkinson requesting feedback. He made several recommendations.
19/06/2018	Cummeragunja Local Aboriginal Land Council		Phone	Attempted to contact Rebecca, she has resigned and the works will be transferred to another individual within the LALC to provide feedback.
19/06/2018	Cummeragunja Local Aboriginal Land Council		Email	A follow up email was sent.
20/06/2018	Cummeragunja Local Aboriginal Land Council		Phone	Contacted the LALC requesting feedback and details of the new assigned contact. Rebecca Atkinson will be continuing with this consultation.
20/06/2018	Cummeragunja Local Aboriginal Land Council	Email		Rebecca Atkinson emailed her feedback.
21/06/2018	Cummeragunja Local Aboriginal Land Council		Email	Sent confirmation email of receiving feedback.

Appendix B

Consultation Documentation

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: John Gilding
Office of Environment and Heritage
PO Box 397
Griffith NSW 2680

Dear John,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

- 1/DP100773
- 1/DP134511
- 2/DP134511
- 3/DP134511
- 4/DP134511
- 5/DP134511
- 6/DP134511
- 7/DP134511
- 103/DP752290
- 114/DP752290
- 115/DP752290
- 116/DP752290
- 125/DP752290
- 132/DP752290

The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertake consultation in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). This letter is to notify that ESCO Pacific seeks to consult with Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area.

The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal Cultural Heritage Assessment Report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS. The registered Aboriginal parties will be consulted throughout the assessment and potential heritage management process.

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project described above, please contact me within 21 days via the contact details above, or by email: erin.williams@rpsgroup.com.au. Specifically we require a list of known Aboriginal stakeholders and communities that you consider may have an interest in the study area.

RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: Rebecca Atkinson
Cummeragunja Local Aboriginal Land Council
4 Tongala Road
Cummeragunga VIC 3639

Dear Rebecca,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

- 1/DP100773
- 1/DP134511
- 2/DP134511
- 3/DP134511
- 4/DP134511
- 5/DP134511
- 6/DP134511
- 7/DP134511
- 103/DP752290
- 114/DP752290
- 115/DP752290
- 116/DP752290
- 125/DP752290
- 132/DP752290

The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertake consultation in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). This letter is to notify that ESCO Pacific seeks to consult with Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area.

The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal Cultural Heritage Assessment Report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS. The registered Aboriginal parties will be consulted throughout the assessment and potential heritage management process.

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project described above, please contact me within 21 days via the contact details above, or by email: erin.williams@rpsgroup.com.au. Specifically we require a list of known Aboriginal stakeholders and communities that you consider may have an interest in the study area.

RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: To Whom It May Concern
Registrar of Aboriginal Owners NSW
PO Box 112
Glebe NSW 2037

Dear Sir/Madam,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

- 1/DP100773
- 1/DP134511
- 2/DP134511
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- 125/DP752290
- 132/DP752290

The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertaken consultation in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). This letter is to notify that ESCO Pacific seeks to consult with Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area.

The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal Cultural Heritage Assessment Report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS. The registered Aboriginal parties will be consulted throughout the assessment and potential heritage management process.

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project described above, please contact me within 21 days via the contact details above, or by email: erin.williams@rpsgroup.com.au. Specifically we require a list of known Aboriginal stakeholders and communities that you consider may have an interest in the study area.

RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: To Whom It May Concern
Native Title Services Corporation Limited
PO Box 2105
Strawberry Hills NSW 2012

Dear Sir/Madam,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

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- 125/DP752290
- 132/DP752290

The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertaken consultation in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). This letter is to notify that ESCO Pacific seeks to consult with Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area.

The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal Cultural Heritage Assessment Report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS. The registered Aboriginal parties will be consulted throughout the assessment and potential heritage management process.

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project described above, please contact me within 21 days via the contact details above, or by email: erin.williams@rpsgroup.com.au. Specifically we require a list of known Aboriginal stakeholders and communities that you consider may have an interest in the study area.

RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: The Director
National Native Title Tribunal
GPO Box 9973
Sydney NSW 2001

Dear Sir/Madam,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

- 1/DP100773
- 1/DP134511
- 2/DP134511
- 3/DP134511
- 4/DP134511
- 5/DP134511
- 6/DP134511
- 7/DP134511
- 103/DP752290
- 114/DP752290
- 115/DP752290
- 116/DP752290
- 125/DP752290
- 132/DP752290

The study area is located within the Federation local government area.

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RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: To Whom It May Concern
Federation Council
100 Edward Street
Corowa NSW 2646

Dear Sir/Madam,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

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RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Echuca Office
Suite 12, 33 Nish Street, Echuca VIC 3564
T +61 3 5481 0300

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 09/02/2018
Our Ref: 18502
Via: Letter

Attn: Angelina Moore-Tabuteau
Murray Local Land Services
PO Box 797
Albury NSW 2640

Dear Angelina,

Mulwala Solar: Registration of Aboriginal interest groups for archaeological investigation

RPS has been engaged by ESCO Pacific Pty Ltd to prepare an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

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The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertaken consultation in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). This letter is to notify that ESCO Pacific seeks to consult with Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area.

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Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project described above, please contact me within 21 days via the contact details above, or by email: erin.williams@rpsgroup.com.au. Specifically we require a list of known Aboriginal stakeholders and communities that you consider may have an interest in the study area.

RPS, on behalf of ESCO Pacific, has also initiated contact with other relevant authorities as required under the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010: Section 4.1).

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

OFFICE OF THE REGISTRAR
ABORIGINAL LAND RIGHTS ACT 1983 (NSW)

15 February 2018

Erin Williams
RPS
Echuca Office
Suite 12, 33 Nish Street
ECHUCA VIC 3564

Dear Erin

Re: Request - Search for Registered Aboriginal Owners

I refer to your letter dated 9 February 2018 regarding an Aboriginal Cultural Heritage Assessment located at Savernake Road, Mulwala NSW.

I have searched the Register of Aboriginal Owners and the project area described does not have Registered Aboriginal Owners pursuant to Division 3 of the *Aboriginal Land Rights Act 1983*.

I suggest that you contact the Cummeragunja Local Aboriginal Land Council on 03 5869 3372. They may be able to assist you in identifying other Aboriginal stakeholders for this project.

Yours sincerely



Jodie Rikiti
Administration Officer
Office of the Registrar, ALRA

Address: Level 3, 2 – 10 Wentworth Street, PARRAMATTA NSW 2150
Post: P.O Box 5068, PARRAMATTA NSW 2124
Phone: 02 8633 1266



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Fax: 1300 714 453

DEATHS

MYERS, James "Jim". 09.11.1939 - 13.02.2018.
—Beloved husband to Pat. Father to Janet and Alan. Grandfather to six and great-grandfather to four.
Passed due to illness, surrounded by his family.

Loved And Missed By All

ROURKE, David Anthony.
Suddenly at Cobram, formerly of Finley, aged 53 years.
—Loved son of Bob and Phoebe Rourke (both dec).

FUNERALS

MYERS.
A Graveside Service to celebrate the life of Mr James "Jim" Myers will be held at Tocumwal Lawn Cemetery, **TOMORROW**, Thursday, February 22, 2018 at 3 pm.

BERRIQUIN FUNERALS
Finley (03) 5883 1063.

ROURKE.
A Memorial Service to celebrate the life of Mr David Anthony Rourke will be held at Tranquility Chapel, 283 Murray Street, Finley on Monday, February 26, 2018 at 10 am.

BERRIQUIN FUNERALS
Finley (03) 5883 1063.

IN MEMORIAM

KOSCHEL (URQUHART), Marjorie Isobel.
20.08.1934 - 20.02.2005
Thirteen years have passed,
But memories stay.
We think of you in silence,
We often speak your name,
Always loved, never forgotten.

Sadly Missed By All
—Lou and families.

CHURCH SERVICES

ANGLICAN PARISH OF TOCUMWAL/FINLEY /JERILDERIE

Sunday Services
Tocumwal: 8.30 am.
Finley: 10 am.
Jerilderie: 5 pm.
Third Sunday, 10 am only.
Priest: Stephen Davis
0429 845 525
(03) 5883 1262

ANGLICAN PARISH OF MULWALA-BERRIGAN AND OAKLANDS

1st Sunday
Oaklands: 9 am.
Berrigan: 11 am.
2nd, 3rd, 4th Sunday
Mulwala: 9am.
Berrigan: 11am.
Saturday before 1st Sunday
Mulwala: 6pm.
Meal to follow.

CATHOLIC PARISH JERILDERIE

Saturday:
6 pm - Every 1st, 3rd and 5th weekend.
Sunday:
10.30 am - Every 2nd and 4th weekend.

CATHOLIC PARISH FINLEY

Sunday Mass: 10.15 am

CATHOLIC PARISH TOCUMWAL

Saturday Vigil: 5.30 pm
Sunday: 8.30am

RIVER OF LIFE. CRC

16 Denison St Finley.
Pentecostal Service
Sunday, 10.30 am.
Worship Service
Enquiries to
Pastor Val Head
0418 207 429

FINLEY COMMUNITY CHURCH

Every Sunday

Finley High School Multi Purpose Room
10am

Mick and Nicki Wane
0421 468 010

CHURCH SERVICES

THE CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS.

Meets Sundays, 10 am, at 46 Osborne St, Finley.

Family History Centre open to public:
Monday:
10 am - 12 pm
Thursday:
10 am - 12 pm
or by appointment.

Free Service to the Community

Ph (03) 5883 1335.
Pres: Aaron Taylor
0428 768 652.

PRESBYTERIAN CHURCH SERVICES

Berrigan:1st and 3rd Sunday 9 am.
Tocumwal: 2nd and 4th Sunday 9 am.
Finley: 11 am, 7 pm.

Midweek activities for young people and adults.

Enquiries to C Monamy
Phone (03) 5881 2476
www.presbyterian-tfb.com.au

BERRIGAN UNITING CHURCH

Berrigan:
Every Sunday 11 am
Oaklands:
4th Sunday 9 am
Savernake:
1st / 3rd Sundays 9 am

Phone (03) 5885 2384; (03) 5885 6521; (03) 5885 2512

UCA SOUTHERN NEWELL CONGREGATION TOCUMWAL, FINLEY, JERILDERIE

Tocumwal: 9 am,
Clive 03 5874 2062.
Jerilderie: 9.30 am,
Jacqui 0429 861 560.
Finley: 11. am,
Myra 0428 826 338.

TO LET

VERY LARGE
2 B/R UNIT
Fully furnished, reverse cycle air-cond, carpet, built in wardrobes, undercover parking, $110 pw. Finley. Ph (03) 5883 1211.

Call today to place your CLASSIES AD...
PHONE: 1300 660 886
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PUBLIC NOTICES

WORLD DAY OF PRAYER

Friday,
March 2, 2018.
10 am. Finley
Presbyterian Hall.

PUBLIC NOTICES

WATER BROKERS

SOUTHERN RIVERS WATER BROKERS

Specialising in all Water Trading

Permanent & Temporary
NSW, VIC & SA.
Instant online transfers offered
ROB CROW 0428 763 264 | **CRAIG COX** 0400 106 949
16 Deniliquin Street, Tocumwal NSW 2714
rob.crow@southernrivers.com.au
www.southernrivers.com.au
OFFICE: 03 5874 2732 MEMBER: AWBA

BERRIGAN SHIRE

DEVELOPMENT PROPOSAL

Council is in receipt of the following Development Application No. 95/18/DA/DD for Rail Bridge Repairs at Tocumwal Rail Bridge. The applicant is V/Line Pty Ltd. The consent authority is Berrigan Shire Council.

The Development Application and supporting documentation may be inspected during opening hours 8:00am to 5:00pm at the Shire Office, 56 Chanter Street, Berrigan. Written submissions in respect of the Development Application will be accepted by Council until close of business on Friday 9 March 2018.

Note: Persons lodging submissions are required to declare political donations (including donations of more than $1,000) made in the previous two years.

For more details, including a disclosure form, go to www.planning.nsw.gov.au/donations.

Rowan Perkins GENERAL MANAGER
56 Chanter Street, BERRIGAN NSW 2712.
mail@berriganshire.nsw.gov.au
Ph (03) 5888 5100 Fax (03) 5885 2092

PUBLIC NOTICES

RPS

Registration of Interest for Aboriginal cultural knowledge holders, Mulwala, NSW

ESCO Pacific Pty Ltd intends to develop a utility scale solar farm (up to 140MW) near Mulwala, NSW. The project will involve the installation of solar panel arrays across an area of approximately 270 hectares within the project area and a local connection to the NSW power grid.

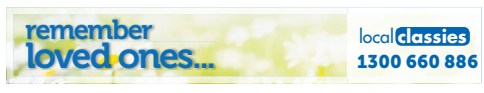
Aboriginal people or other parties who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) within the vicinity of the Mulwala project area are invited to participate in consultation with RPS on behalf of ESCO Pacific regarding the proposed project.

The purpose of this community consultation with Aboriginal people is to assist ESCO Pacific in the preparation of an Aboriginal cultural heritage assessment for the proposal and to be involved in consultation as part of the lodgement of a State Significant Development application.

In order to fulfil the requirements set out in the OEH Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, RPS is seeking interested Aboriginal parties who hold cultural knowledge of the assessment area to register their interest in the consultation process for the project and to assist in the determination of the cultural significance of any Aboriginal objects or places located within the proposed Mulwala Solar Farm area.

Aboriginal people or other parties who wish to register their interest in this consultation process are invited to respond in writing (including your name, organisation, address, contact details and phone number) to Laura Cross by Wednesday 7 March 2018. All registered parties will be contacted to discuss the proposed project and any consultation opportunities to inform the Aboriginal cultural heritage assessment.

RPS
Level 14, 222 Exhibition Street
Melbourne VIC 3000
melbourne@rpsgroup.com.au



FUNERAL DIRECTORS





PUBLIC NOTICES

NSW GOVERNMENT

Murray Local Land Services

Fox Baiting – Travelling Stock Reserves

Murray Local Land Services will be laying 1080 fox baits (chicken wingettes / lambs tongues / CPE Units) on the following travelling stock reserves as part of the autumn fox baiting program.

This program is aimed at reducing fox numbers to ensure the survival of livestock, ground-nesting birds and wildlife.

Thurrowa TSR – Thurrowa	Mairjimmy TSR – Jerilderie	Boomerang TSR – Coreen
German Yards TSR – Coleambally	Darcys TSR – Savernake	Daysdale TSR – Daysdale
Bundure TSR – Bundure	Narrow Plains TSR – Savernake	Myall Plains TSR – Leicester Park
Sandhills TSR – Morundah	Momolong TSR – Oaklands	Bali Hai TSR – Conargo
Arrawidgee TSR – Morundah	Buraja TSR – Lowesdale	Hartwood TSR – Conargo
Columbo Creek TSR – Jerilderie	12 Mile TSR – Lowesdale	Monaro Vale TSR – Berrigan
Turn Back Jimmy TSR – Jerilderie	Oiltree TSR – Balldale	Foxes TSR – Urana
Racecourse TSR – Jerilderie	Roundswamp TSR – Coreen	Native Dog TSR – Berrigan

Baiting on the above reserves will be undertaken **between Thursday, 1 March 2018** and **Thursday, 31 May 2018.**

We advise people entering these reserves to exercise caution, muzzle all dogs and supervise children during this period. Signs will be displayed at all travelling stock reserves.

G. Rodda, General Manager

BLZ134829

For further information contact the Jerilderie office of Murray Local Land Services: (03) 5886 1203.

Coming Events

Advertisers Please note:
A charge of $5.50 per listing, applies to events listed within this space if the event is to be held within a three month period. A charge of $11.00 per listing applies if the event is to be held within a six month period. Items will be printed every issue until the event is held.
All Coming Events listings are required to be prepaid at the time of the booking.

Sunday, February 25
Motorcycle Muster Show n Shine, Mulwala Waterski Club Foreshore 9.30am - 2pm, registrations from 8am.

Saturday, Sunday, March 10-11
Back to Finley, 125 year celebrations.

Friday, March 16
Retreat Hall Committee Old Time Dance.

Saturday, March 17
Finley Autumn Cup.

Sunday, March 18
Finley Show n Shine and Swap Meet.

Saturday, March 24
Finley Show Society Poultry Auction.

Friday-Sunday, April 13-15
Finley and Berrigan Monster Garage Sales.

Friday, April 20
Retreat Hall Committee Old Time Dance.

Saturday, Sunday, May 19-20
Feel Good in Finley Fair.

Southern Riverina News



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Fax: 1300 714 453

CLASSIFIED INFORMATION

For your convenience the Cobram Courier provides a centralised Classified booking service known as localclassies.

localclassies may be contacted as follows
Phone: 1300 660 886
Fax: 1300 714 453
Email: advertise@localclassies.com.au
Postal: PO Box 204, Shepparton, 3632
Office: Melbourne Road, Kialla.

localclassies office hours
Our phone lines are open from:
Monday to Friday 8.30am to 5.30pm.
Our Shepparton office is open from:
Monday to Friday, 8.30am to 5pm.

Cobram Courier office hours
Monday to Friday 9am to 5pm.

Classified Deadline
Line Ads: 10am Tuesday.
Semi Ads: 5pm Monday.

Payment
Payment for classified advertisements can be made over the phone using credit card or in person to the Cobram Courier at our office:
31-33 Station St, Cobram, Vic, 3644.
Phone: (03) 5872 1144
For your convenience we accept Visa or MasterCard. Prepayment is required prior to publication. 30 day accounts are available to registered businesses upon credit approval.

Births / Birth Congratulations
Family members may place notices with the parents' consent

Engagements
Family members may place notices with the couple or their parents' consent.

Packages
When booking a package, please note that the full cost of the advertisement will be charged on the first edition. Therefore we are unable to offer refunds on any portion of packages once the advertisement has begun running.

Please check your advertisement
It is important to check that your advertisement is correct on the first day it appears. While every care is taken to ensure your advertisement is correct, errors can occur. If this happens to your ad please contact us the first day your advertisement appears and we will be happy to correct it as soon as we can. Credits will only be issued for the first appearance date, and no further credits shall be issued for consecutive advertisements.

Conditions of Advertising
All advertisements are subject to the approval of the Cobram Courier. The Cobram Courier may refuse to accept or publish any advertisement. The Cobram Courier may omit or alter any advertisements content, size, form, position and placement without prior notice. To the extent permitted by law, the Cobram Courier accepts no liability for any intentional or accidental omission or modification.
The Cobram Courier gives no guarantee regarding the positioning of advertisements and credits will NOT be given for advertisements appearing out of alphabetical sequence. The Cobram Courier accepts no responsibility for the content of any advertisement.

Copyright
Cobram Newspapers Pty Ltd, the publisher of the Cobram Courier is the owner of the copyright in all advertisements (including artwork) prepared by the servants and/or agents of the newspaper on behalf of its advertisers. Neither the newspaper's advertisers nor any person on their behalf are authorised to publish, reproduce or copy in any manner, any of the said advertisements (including artwork) without the prior written licence of the newspaper.

Privacy Policy
Our Privacy Policy includes important information about our collection, use and disclosure of your personal information. The personal information we request from you enables us to provide you with the services you require. Our Privacy Policy also makes clear the ways in which you can access your personal information and how you can make a complaint if you believe a breach of the Australia Privacy Principles has occurred. Our Privacy Policy can be viewed at www.mmg.com.au

BIRTHDAYS

Happy 18th Birthday

KALEB CLARKE



22.02.2000

LOTS OF LOVE

–Mum, Dad and Teags. xoxo

21ST BIRTHDAY



LOOKS WHO'S TURNING 21 TOMORROW!

Bethany Oliver

FEBRUARY 22ND

~Love from Mum, Dad, Khalia, Elsie, Tom and Annie.



DEATHS

COCKAYNE, Wilma Ruth.
28.10.1943 - 17.02.2018.
Aged 74 years.
Passed away peacefully, surrounded by her 6 girls and their families.
—Cherished Mum to Wendy and Kendall, Karen and Mark, Shelley, Cate, Tracey and Steve, Fiona and Mark. Loved Nana to her 19 grandchildren and partners and 8 great-grandchildren.

Forever In God's Care

FAZZOLARI (Barca), Grazia Maria.
Born on August 16, 1931 in Varapodio, Reggio, Calabria.
Passed away on February 15, 2018 at Irvin House, Cobram, Victoria Australia.
—Loving wife of the late Salvatore Fazzoalri. Loving mother of Sam, Tony, Carmina and their partners. Adored Nonna of all her grandchildren and great-grandchildren.

The Funeral Mass for Mrs Grazia Maria Fazzolari was held at St Joseph's Catholic Church, Cobram on Tuesday, February 20, 2018.

BRIAN WALSH FUNERALS
51 Broadway Street
Cobram. (03) 5871 1499.

DEATHS

FAZZOLARI, Maria Grazia.
16.08.1931 - 15.02.2018.
Mum and Nonna,
God looked around His garden and found an empty space,
Then he looked down upon this Earth and saw your tired face,
He put his arms around you and lifted you to rest,
God's garden must be beautiful, He only takes the best.

Forever In Our Hearts

—Sam, Connie, Grace, Samuel, Renee, Adrian and Daniel.

FAZZOLARI, Maria Grazia.
16.08.1931 - 15.02.2018.
God blessed us having you as our mother.
You were a kind, caring, loving and giving Mum, grandmother and great-grandmother to all of us.
Growing up people thought we were sisters, you were such a young and beautiful Mum.
We love you so much and miss you to the Universe and back.
—Love you forever, Carmina and Michele

Nonna,
You always made us smile and lifted our spirits,
You were our shining beacon,
Your light will always be there for us, beaming from Heaven.
—Your loving grandchildren, Fonz, Teresa, Grace, Sam and families.



FAZZOLARI, Maria Grace.
God saw you getting tired,
A cure was not to be,
So He put His arms around you,
And whispered "come with me".
With tearful eyes we watched you,
And saw you fade away,
Although we loved you dearly,
We could not make you stay.
A golden heart stopped beating,
Your tender hands at rest,
God took you home to prove to us,
He only takes the best.
—Loving you deeply, Tony and Paula.

Our Nonna knew what life was about,
No-one left her house with an empty belly, without getting a hug and without hearing her say "I love you".
She touched the heart and soul of everyone that met her, but no more than us.
—Your loving grandchildren Angela, Tony and Vince.

MYERS, James "Jim".
09.11.1939 - 13.02.2018.
—Beloved husband to Pat. Father to Janet and Alan. Grandfather to six and great-grandfather to four.
Passed due to illness, surrounded by his family.

Loved And Missed By All

DEATHS

PAPA, Concettina "Tina".
18.05.1933 - 17.02.2018.
Tina passed away peacefully in Cobram, early Saturday morning.
—Beloved wife of Paolo for more than 66 years. Mother of Josie and Sandra and mother-in-law of Garry and Steven. Tina was also loved dearly by her grandchildren Michael, Andrew, Lachlan and Samantha.
Tina demonstrated her personal strength and determination, which she has shown all of her life, to the very end.
She will be sorely missed by family and friends and all who knew her.

ROURKE, David Anthony.
Suddenly at Cobram, formerly of Finley, aged 53 years.
—Loved son of Bob and Phoebe Rourke (both dec).

FUNERALS

COCKAYNE.
A Requiem Mass for the Repose of the Soul of the late Mrs Wilma Ruth Cockayne will be offered at St John the Baptist Catholic Church, Tocumwal Road, Numurkah, **TOMORROW**, Thursday, February 22, 2018, commencing at 10.30 am, after which the Cortege will leave for the Numurkah Lawn Cemetery.

BRIAN WALSH FUNERALS
51 Broadway Street
Cobram. (03) 5871 1499.

MYERS.
A Graveside Service to celebrate the life of Mr James "Jim" Myers will be held at Tocumwal Lawn Cemetery, **TOMORROW**, Thursday, February 22, 2018 at 3 pm.

BERRIQUIN FUNERALS
Finley (03) 5883 1063.

ROURKE.
A Memorial Service to celebrate the life of Mr David Anthony Rourke will be held at Tranquility Chapel, 283 Murray Street, Finley on Monday, February 26, 2018 at 10 am.

BERRIQUIN FUNERALS
Finley (03) 5883 1063.

FUNERAL DIRECTORS

FUNERAL DIRECTORS
QUINANE & TODD
Member A.F.D.A.
16 High Street, Cobram
Phone (03) 5872 1667 or 0407 729 667
For efficient, prompt and courteous attention at all times
Pat and Val Quinane

FUNERAL DIRECTORS
HOBAN & TUTTLE
Cobram/Barooga & District
Contact: ANNE HOBAN
Freecall 1800 622 482 or 0428 788 000
High Street, Cobram
Member Australian Funeral Directors Association

FUNERALS

PAPA.
A Requiem Mass for the Repose of the Soul of the late Mrs Concettina "Tina" Papa will be offered at St Joseph's Catholic Church, William Street, Cobram on Friday, February 23, 2018, commencing at 11 am, after which the Cortege will leave for the Cobram Cemetery Mausoleum.

BRIAN WALSH FUNERALS
51 Broadway Street
Cobram. (03) 5871 1499.



FUNERAL DIRECTORS

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MEETINGS

Cobram Agricultural Society

Annual General Meeting

On Tuesday, March 6, 2018.

At the Cobram Cricket Clubrooms at **7.30 pm.**

All welcome

PUBLIC NOTICES

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RPS

Registration of Interest for Aboriginal cultural knowledge holders, Mulwala, NSW

ESCO Pacific Pty Ltd intends to develop a utility scale solar farm (up to 140MW) near Mulwala, NSW. The project will involve the installation of solar panel arrays across an area of approximately 270 hectares within the project area and a local connection to the NSW power grid.

Aboriginal people or other parties who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) within the vicinity of the Mulwala project area are invited to participate in consultation with RPS on behalf of ESCO Pacific regarding the proposed project.

The purpose of this community consultation with Aboriginal people is to assist ESCO Pacific in the preparation of an Aboriginal cultural heritage assessment for the proposal and to be involved in consultation as part of the lodgement of a State Significant Development application.

In order to fulfil the requirements set out in the OEH Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, RPS is seeking interested Aboriginal parties who hold cultural knowledge of the assessment area to register their interest in the consultation process for the project and to assist in the determination of the cultural significance of any Aboriginal objects or places located within the proposed Mulwala Solar Farm area.

Aboriginal people or other parties who wish to register their interest in this consultation process are invited to respond in writing (including your name, organisation, address, contact details and phone number) to Laura Cross by Wednesday 7 March 2018. All registered parties will be contacted to discuss the proposed project and any consultation opportunities to inform the Aboriginal cultural heritage assessment.

RPS
Level 14, 222 Exhibition Street
Melbourne VIC 3000
melbourne@rpsgroup.com.au

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FUNERALS

LYNAS.
A Funeral Service to celebrate the life of Mr Stewart Arthur Lynas will be held at the St Augustine's Anglican Church, Maude Street, Shepparton on Monday, February 19, 2018, commencing at 1.30 pm.

A private Burial will follow the Service.

Owen Mohan
Shepparton (03) 5821 2884
www.owenmohan.com.au

TAYLOR (Merigan) (nee May).
A Funeral Service to celebrate the life of Margaret Taylor will be held at Merritt Funeral Services Chapel, 10-16 Mac Issac Road, Mooroopna on Tuesday, February 20, 2018, commencing at 10.30 am, after which the Cortege will leave for the Pine Lodge Cemetery.

MERRITT
FUNERAL SERVICES
Mooroopna
Phone (03) 5825 1651



IN MEMORIAM



HOGAN, Patricia.
17.06.1953 - 18.02.2017.
Dear Mum,
I thought of you today but that is nothing new,
I thought of you yesterday and days before too.
I think of you in silence and often speak your name,
I speak of you everyday to Michael so he always remembers his amazing, loving Nan.
Your memory is a keepsake from which will never part,
The Angels have you in Their arms and I will have you forever in my heart.
Love You Always And Forever
—Louise, Tim and Michael.

HOGAN, Patricia.
18 February, 2017.
Dear Mum,
Hard to believe it's been 12 months since you were taken away from us.
Every day we think of all the good times and loving memories.
Your grandchildren love to reminisce on all the good times with Nanny, shopping, travelling on the train and big Nanny cuddles.
We Miss You So Much
—Love Steven and Bethany Hogan. Loving grandchildren Aiden, Conor and Charlotte Hogan.

HOGAN, Pattie.
So dearly missed,
Always in our thoughts.
—Carmel, Maree, Kathy and families.

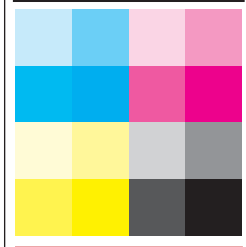


IN MEMORIAM

WOODMAN, Arthur.
17.02.1920 - 17.02.1981.
A wonderful husband and father.
You passed away on your birthday, 37 years ago.
We still miss you deeply and in our hearts your memory lingers.
—Your loving wife Eva and children, Rosalyn, Jenny, Kathy, Richard, Andrea and families.
In God's Care



PUBLIC NOTICES



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MEETINGS

Shepparton Netball Association Inc.
Annual General Meeting
Will be held on
Monday the 26th February, 2018
At the clubrooms, McEwen Reserve, Brauman Street, Shepparton, Victoria, commencing at 7:00pm
Existing clubs/teams from all sections are reminded you must have two reps present.
For further information contact:
John hoornweg on 0458221277
New clubs/ teams welcome.

PUBLIC NOTICES

GREATER SHEPPARTON

Public Notices

Call for Applications for Appointment to the Toolamba Recreation Reserve and Community Centre Committee of Management

Greater Shepparton City Council is calling for applications from interested people to fill vacancies on the Toolamba Recreation Reserve and Community Centre Committee of Management.

Applications for Appointment to the committee will be received by Greater Shepparton City Council until 5:00pm on Friday 23 February 2018. Application forms are available from Wrens General Store and Newsagency at 33 Wren Street, Toolamba, on the Council's website at www.greatershepparton.com.au, the Council offices at 90 Welsford Street, Shepparton or by contacting the Committees and Cemeteries Operations Officer on 5832 9895.

Greater Shepparton City Council's Disability Advisory Committee

Greater Shepparton City Council's Disability Advisory Committee (DAC) is calling for nominations from residents living with or caring for those with disabilities, living within the municipality who demonstrate diversity and vision for the entire municipality and are interested in becoming a member of the Disability Advisory Committee.

The DAC provides guidance to Council that ensures the needs of older people in the community are being met.

A number of vacancies have arisen. Council is looking to appoint; up to 9 community members and up to 2 representatives to the committee. The successful nominee's will be appointed for a term of 3 years until February 2021.

Nomination forms and more information are available on the Council's website at www.greatershepparton.com.au or; in person at the Council office, 90 Welsford Street Shepparton, or by contacting Council's Access and Inclusion Officer on 5832 9592.

Membership Applications are open to all. Diversity is welcome

Nominations are to be received by 5pm, Friday 2 March 2018.

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PUBLIC NOTICES

RPS

Registration of Interest for Aboriginal cultural knowledge holders, Mulwala, NSW

ESCO Pacific Pty Ltd intends to develop a utility scale solar farm (up to 140MW) near Mulwala, NSW. The project will involve the installation of solar panel arrays across an area of approximately 270 hectares within the project area and a local connection to the NSW power grid.

Aboriginal people or other parties who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) within the vicinity of the Mulwala project area are invited to participate in consultation with RPS on behalf of ESCO Pacific regarding the proposed project.

The purpose of this community consultation with Aboriginal people is to assist ESCO Pacific in the preparation of an Aboriginal cultural heritage assessment for the proposal and to be involved in consultation as part of the lodgement of a State Significant Development application.

In order to fulfil the requirements set out in the OEH Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, RPS is seeking interested Aboriginal parties who hold cultural knowledge of the assessment area to register their interest in the consultation process for the project and to assist in the determination of the cultural significance of any Aboriginal objects or places located within the proposed Mulwala Solar Farm area.

Aboriginal people or other parties who wish to register their interest in this consultation process are invited to respond in writing (including your name, organisation, address, contact details and phone number) to Laura Cross by Wednesday 7 March 2018. All registered parties will be contacted to discuss the proposed project and any consultation opportunities to inform the Aboriginal cultural heritage assessment.

RPS
Level 14, 222 Exhibition Street
Melbourne VIC 3000
melbourne@rpsgroup.com.au

IN MEMORIAM



Patricia Hogan "Pattie"

17.06.1953 - 18.02.2017.
Dearly loved wife of Gerry. Loving mother and mother-in-law of Steven and Beth; and Louise and Tim. Loving Nan of Aiden, Conor, Charlotte and Michael.
Every day I walk past your photo and wish I could bring you back home.
The thing that gets me through is to remember what a loving wife and mother you were.
The courage you showed through your illness can only make us stronger and better people.
You never know what you've got 'til it's gone.
–From your loving husband of 44 years, Gerry. XXX

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PUBLIC NOTICES

RPS

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PUBLIC NOTICES

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Planning and Environment Act 1987

MOIRA PLANNING SCHEME

Notice of Approval of Amendment Amendment C86

TThe Minister for Planning has approved Amendment C86 to the Moira Planning Scheme. The Amendment comes into operation on the date this notice is published in the Victoria Government Gazette.

The Amendment introduces Schedule 3 to Clause 42.01 – Environmental Significance Overlay (ESO) within the Moira Planning Scheme to establish buffers to the Yarrawonga, Bundalong and Tungamah Waste Water Treatment Plants.

A copy of the Amendment can be inspected, free of charge, at the Department of Environment, Land, Water and Planning website at www.planning.vic.gov.au/public -inspection and free of charge, during office hours, at the offices of the Moira Shire Council, 44 Station Street, Cobram.

STUART MENZIES
Director
State Planning Services
Department of Environment, Land, Water and Planning

Phone: **03 5871 9222** NRS: **133 677**
Email: **info@moira.vic.gov.au**
Cobram Office: **44 Station St**
Yarrawonga Office: **100 Belmore St**
Mail: **PO Box 578, Cobram VIC 3643**

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C018/18

Provision for After Hour Ranger Services

Tender closing date - 4pm Wednesday 14 March 2018

Specification documents can be obtained by visiting www.moira.vic.gov.au/tenders

All submissions are to be lodged electronically. Late, hard copy, e-mailed or facsimile submissions will not be accepted. *Lowest or any tender not necessarily accepted.*

Mark Henderson
Chief Executive Officer

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imprint design studio is a Yarrawonga Chronicle & Corowa Free Press department

Contact Sandra or Jared on 03 5744 3731 or email sandras@yarrawongachronicle.com.au for quotes, samples or enquiries

From: Laura Cross
To: john.gilding@environment.nsw.gov.au
Subject: ACHCR response
Date: Tuesday, 27 February 2018 11:14:00 AM

Hi John,

This is just a follow up email from our conversation,
Thank you for your assistance with the ACHCR response.

Kind regards,
Laura

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 488 210 820
E: Laura.Cross@rpsgroup.com.au
W: rpsgroup.com.au

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From: John Gilding
To: Laura Cross
Cc: Erin Williams
Subject: [EXT] RE: ACHCR response
Date: Tuesday, 27 February 2018 11:27:35 AM
Attachments: image002.png

Hi Laura,

Thanks for following this up. Here is a list of the RAPs for Federation LGA. An official response letter will follow within the next 24hrs.

Federation Local Government Area

Organisation/ Individual Name	Address	Contact Details
Albury and District Local Aboriginal Land Council	PO Box 22 LAVINGTON NSW 2641 917 Chenery St GLENROY NSW 2640	Phone: 02 6025 7075 Fax: 02 6025 4340 Email: ceo@alburydistrictlalc.org
Cummeragunja Local Aboriginal Land Council	Tongala Road Cummeragunja Village PO Box 99 MOAMA NSW 2731	Phone: 03 5869 3372 Fax: 03 5869 3348 Email: cummera@mcmdeia.com.au
Narrandera Local Aboriginal Land Council	172 East Street PO Box 544 NARRANDERA NSW 2700	Phone: 02 6959 1823 Fax: 02 6959 2811 Email: nlalc14@bigpond.com
Wagga Wagga Local Aboriginal Land Council	159 Docker Street PO Box 6289 WAGGA WAGGA NSW 2650	Phone: 02 6921 4095 Fax: 02 6921 7625 Email: waggawaggalalc@bigpond.com
Griffith Local Aboriginal Land Council	PO Box 8043 EAST GRIFFITH NSW 2680 5 Wiradjuri Place GRIFFITH NSW 2680	Phone: 02 6962 6711 Fax: 02 6964 1477 Email: grifflalc@bigpond.com.au
Bangerang Aboriginal Corporation	Freddy (Doogalook) Dowling	Mobile: 0439 571 320 Email: tiannig@murrumbidgee.nsw.gov.au
Yalmambirra	120 Talgarno Gap Road BETHANGA VIC 3691	Email: yalmambirra@outlook.com
Bundyi Aboriginal Cultural Knowledge	Mark Saddler P.O. Box 8005 KOORINGAL NSW 2650	Phone: 0412 693 030 Email: marksad@live.com.au

All the best with your project.

Cheers

JG

NSW GOVERNMENT Office of Environment & Heritage

John Gilding
Archaeologist
South West Region
Regional Operations Division

T 03 5483 9118
M 0428 897 811
F 03 5480 2131
www.environment.com.au

From: Laura Cross [mailto:Laura.Cross@rpsgroup.com.au]
Sent: Tuesday, 27 February 2018 11:14 AM
To: John Gilding <John.Gilding@environment.nsw.gov.au>
Subject: ACHCR response

Hi John,

This is just a follow up email from our conversation,
Thank you for your assistance with the ACHCR response.

Kind regards,
Laura

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

From: Laura Cross
To: cummera@mcmdeia.com.au
Subject: RPS ACHCR response follow up
Date: Tuesday, 27 February 2018 4:35:00 PM

To whom it may concern,

I am emailing to follow up on the Cummeragunja Local Aboriginal Land Council response to the ACHCR letter sent by RPS on 09/02/2018. I called the office today (27/02/18) but there was no response.

The letter sent is to notify that ESCO Pacific seeks to consult Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area. The study area is the proposed Mulwala Solar Farm located at Savernake Road, Mulwala and within the Federation local government. The project requires an archaeological survey and cultural heritage assessment to guide the design and support of the Environmental Impact Statement (EIS).

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project, please contact me via phone or email by Friday 2nd March. Specifically we require a list of Aboriginal stakeholders and communities that you consider may have an interest in the study area.

If you have any questions please feel free to contact me.
Kind regards,
Laura Cross

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
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From: Laura Cross
To: "Rebecca Atkinson"
Cc: Erin Williams
Subject: RE: Invitation for expression of interest - Mulwala Solar Farm
Date: Tuesday, 6 March 2018 10:18:00 AM

Hi Rebecca,

Thank you for sending through your confirmation. We will be sending through the proposed methodology within the next few days.

Kind regards,
Laura

From: Rebecca Atkinson [mailto:cummera@mcmedia.com.au]
Sent: Tuesday, 6 March 2018 10:11 AM
To: Laura Cross <Laura.Cross@rpsgroup.com.au>
Subject: [EXT] RE: RPS ACHCR response follow up

Hi Laura,

The Cummeragunja LALC is interested in this project the Mulwala Solar Farm located at Savernake Road.

When the project is to go ahead and a Cultural Heritage Assessment is need, please contact the Cummeragunja LALC.

Another Aboriginal Stakeholder is the Bangerang Aboriginal Cooperation, contact Kevin Atkinson moiradu57@gmail.com.

Thanks

Rebecca

Rebecca Atkinson
CEO
Cummeragunja LALC

P: 03 5869 3372
F: 03 58 69 3348
M: 0417 314 170

From: Laura Cross [mailto:Laura.Cross@rpsgroup.com.au]
Sent: Tuesday, February 27, 2018 4:40 PM
To: cummera@mcmedia.com.au
Subject: RPS ACHCR response follow up

To whom it may concern,

I am emailing to follow up on the Cummeragunja Local Aboriginal Land Council response to the ACHCR letter sent by RPS on 09/02/2018. I called the office today (27/02/18) but there was no response.

The letter sent is to notify that ESCO Pacific seeks to consult Aboriginal persons or groups who may hold cultural knowledge of, or who have a right of interest in Aboriginal objects, places, and/or Aboriginal cultural heritage values in the study area. The study area is the proposed Mulwala Solar Farm located at Savernake Road, Mulwala and within the Federation local government. The project requires an archaeological survey and cultural heritage assessment to guide the design and support of the Environmental Impact Statement (EIS).

Should you know of any Aboriginal person or group who may wish to be consulted in relation to the project, please contact me via phone or email by Friday 2nd March. Specifically we require a list of Aboriginal stakeholders and communities that you consider may have an interest in the study area.

If you have any questions please feel free to contact me.
Kind regards,
Laura Cross

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 488 210 820
E: Laura.Cross@rpsgroup.com.au
W: rpsgroup.com.au

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Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

PO Box 22
Lavington NSW 2641

To Whom It May Concern

Mulwala Solar: Request for expression of interest for archaeological investigation Request for expression of interest for archaeological investigation

RPS have been engaged by ESCO Pacific to undertake an Aboriginal cultural heritage assessment report for the proposed solar farm at Mulwala, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979*.

The study area is located at Savernake Road, Mulwala, and comprises the following properties (refer attached plan):

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The study area is located within the Federation local government area.

The project requires an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the project. As part of these works it is necessary to undertake consultation with relevant Aboriginal stakeholders in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010) (ACHCRs).

The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal cultural heritage assessment report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS. The registered Aboriginal parties will be consulted throughout the assessment and potential heritage management process.

Aboriginal persons or groups who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) in the study area are invited to express their interest to participate in the Aboriginal consultation for this project. We have already been in contact with the Griffith Office of Environment and Heritage (OEH) office, the Registrar of Aboriginal Owners NSW, the Native Title Tribunal, Native Title Services Corporation Limited, the Federation Council, the Murray Local Land Services and Cummeragunja Local Aboriginal Land Council as per Stage 1 requirements of the ACHCRs.

RPS is writing to ask if you would like to register an expression of interest to participate in the ACHCR process for this project. If you would like to register interest in this project, please respond in writing by Tuesday 20 March 2018. Please complete the attached form and forward your details to:

Laura Cross
Level 14, 222 Exhibition Street
Melbourne VIC 3000
Email: laura.cross@rpsgroup.com.au

If you would prefer to register interest by phone, please call (03) 9417 9736

In accordance with the ACHCRs, if your organisation would like to register an expression of interest, your details will be forwarded to OEH and Cummeragunja Local Aboriginal Land Council, unless you inform us that you do not want your details released to these organisations, or to the other registered Aboriginal parties (RAPs).

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact us.

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

Name	
Registered organisation	
Signature	
Date	

Please send this completed form by Tuesday 20th March 2018 to:

Laura Cross
Level 14, 222 Exhibition Street
Melbourne VIC 3000

Or email to laura.cross@rpsgroup.com.au



N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

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DATA SOURCES
Base topographic data © Commonwealth of Australia (Geoscience Australia) 2006.
Imagery from Esri Basemap layer.

LEGEND

Study Area

Cadastre

RPS

Study Area
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18502_Mulwala_Solar_Farm\Working\Job18502_Mulwala_Solar_Farm_A3P.mxd
Compiled: 09 February 2018

Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

PO Box 544
Narrandera
NSW 2700

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RPS



Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

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LEGEND

Study Area

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Study Area
Mulwala Solar Farm Project

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T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

PO Box 6289
Wagga Wagga NSW 2689

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Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

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Registered organisation	
Signature	
Date	

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Study Area

Cadastre

RPS

Study Area
Mulwala Solar Farm Project

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RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

PO Box 8043
East Griffith
NSW 2680

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Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

Name	
Registered organisation	
Signature	
Date	

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RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

Dear Freddy

Mulwala Solar: Request for expression of interest for archaeological investigation Request for expression of interest for archaeological investigation

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Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

Name	
Registered organisation	
Signature	
Date	

Please send this completed form by Tuesday 20th March 2018 to:

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LEGEND

Study Area

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RPS

Study Area
Mulwala Solar Farm Project

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RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

120 Talgarno Gap Road
Bethanga VIC 3691

To Whom It May Concern

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Senior Executive – Environment and Heritage

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RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 05/03/2018
Our Ref: 18502
Via: Letter

PO Box 8005
Kooringal NSW 2650

Dear Mark

Mulwala Solar: Request for expression of interest for archaeological investigation Request for expression of interest for archaeological investigation

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Aboriginal persons or groups who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) in the study area are invited to express their interest to participate in the Aboriginal consultation for this project. We have already been in contact with the Griffith Office of Environment and Heritage (OEH) office, the Registrar of Aboriginal Owners NSW, the Native Title Tribunal, Native Title Services Corporation Limited, the Federation Council, the Murray Local Land Services and Cummeragunja Local Aboriginal Land Council as per Stage 1 requirements of the ACHCRs.

RPS is writing to ask if you would like to register an expression of interest to participate in the ACHCR process for this project. If you would like to register interest in this project, please respond in writing by Tuesday 20 March 2018. Please complete the attached form and forward your details to:

Laura Cross
Level 14, 222 Exhibition Street
Melbourne VIC 3000
Email: laura.cross@rpsgroup.com.au

If you would prefer to register interest by phone, please call (03) 9417 9736

In accordance with the ACHCRs, if your organisation would like to register an expression of interest, your details will be forwarded to OEH and Cummeragunja Local Aboriginal Land Council, unless you inform us that you do not want your details released to these organisations, or to the other registered Aboriginal parties (RAPs).

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact us.

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Expression of interest to participate in Aboriginal consultation for Mulwala Solar Farm project

Name	
Registered organisation	
Signature	
Date	

Please send this completed form by Tuesday 20th March 2018 to:

Laura Cross
Level 14, 222 Exhibition Street
Melbourne VIC 3000

Or email to laura.cross@rpsgroup.com.au



N

0 170 340 510

Meters

APPROX SCALE 10,000 @ A3
GDA 1994 MGA Zone 55

Disclaimer: While all reasonable care has been taken to ensure the information contained on this map is up to date and accurate, no guarantee is given that the information portrayed is free from error or omission. Please verify the accuracy of all information prior to use. Development Footprint area for indicative purposes only.

DATA SOURCES
Base topographic data © Commonwealth of Australia (Geoscience Australia) 2006.
Imagery from Esri Basemap layer.

LEGEND

Study Area

Cadastre

RPS

Study Area
Mulwala Solar Farm Project

Tracking ID: W:\Jobs\PR137229-1 RPS Melbourne - Mapping Support Services GIS\Working\Job_18502_Mulwala_Solar_Farm\Working\Job18502_Mulwala_Solar_Farm_A3P.mxd
Compiled: 09 February 2018

From: Erin Williams
To: Mark Saddler
Cc: Laura Cross
Subject: RE: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm
Date: Monday, 5 March 2018 2:51:41 PM

Hi Mark,

Thanks for sending that through, we have both received your EOI. We will send through our proposed methodology in a few days,

Talk soon,

Erin

RPS

Erin Williams
Senior Executive - Environment & Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, VIC, Australia, 3000
D: +61 3 9417 9713
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 419 091 216
E: Erin.Williams@rpsgroup.com.au
W: rpsgroup.com.au

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From: Mark Saddler [mailto:marksad@live.com.au]
Sent: Monday, 5 March 2018 2:27 PM
To: Erin Williams <Erin.Williams@rpsgroup.com.au>
Cc: Laura Cross <Laura.Cross@rpsgroup.com.au>
Subject: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

Yamandhu Marang Erin ?
(are you well)

I have attached my EOI for the Mulwala Solar Farm, I have cc'd in Laura.

Can you both confirm that you have received my EOI ?

Guwayu (Safe Travels)

Mark Saddler

Wagga Wagga 2650

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Erin Williams <Erin.Williams@rpsgroup.com.au>
Sent: Monday, March 5, 2018 12:47:04 PM
To: marksad@live.com.au
Cc: Laura Cross
Subject: Invitation for expression of interest - Mulwala Solar Farm

Dear Mark,

Please find attached an invitation for expressions of interest in the Aboriginal consultation process for the proposed Mulwala Solar Farm. EOIs close 20 March 2018, please do not hesitate to contact myself or Laura if you require further information.

Kind regards,

Erin

RPS

Erin Williams
Senior Executive - Environment & Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, VIC, Australia, 3000
D: +61 3 9417 9713
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 419 091 216
E: Erin.Williams@rpsgroup.com.au
W: rpsgroup.com.au

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Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 08/03/2018
Our Ref: 18037
Via: Letter

Attn: Kevin Atkinson
Bangerang Aboriginal Corporation

Dear Kevin

Mulwala Solar Farm project: Methodology and sensitive information

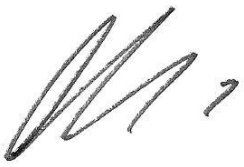
Thank you for your registration of interest in the Mulwala Solar Farm project, you are a registered Aboriginal party for this project. Attached is the information about the proposed project and Aboriginal heritage impact assessment methodology, including the proposed methodology for the collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the Aboriginal cultural heritage consultation requirements for proponents (DECCW 2010) (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

Please provide your feedback to RPS by 5pm on 6 April 2018, either by email or return mail. Please address methodology feedback to Laura Cross at the address in the header, or to laura.cross@rpsgroup.com.au

Please contact us if you have any questions or clarifications.

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Mulwala Solar Farm

The following information is provided in accordance with the ACHCR process. This information is provided on the proposed project (as required by Stage 2 of the ACHCR) as well as on gathering information relating to the assessment of cultural significance (Stage 3 of ACHCR).

Project information

RPS has been engaged by ESCO Pacific to prepare an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the proposed Mulwala Solar Farm, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979.* As part of these works it is necessary to undertake consultation in accordance with the ACHCRs. The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal cultural heritage assessment report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS.

The proposed Mulwala Solar Farm is a utility-scale renewable energy project of up to 140 megawatt (MW) that would be located north of the township of Mulwala, and would generate renewable energy from the power of the sun. Mulwala has been chosen as the location of the solar farm because of the relatively high solar irradiance in the region and the capacity of the existing electricity network to transmit the power generated by the project.

A map of the study area is shown in the attached Figure 1 and crosses the boundaries of one landholder who is engaged in agricultural and grazing activities. The land comprises flat-lying open paddocks. The south east paddock is irrigated with water pumped from a bore. The study area is bounded to the east by Savernake Road and to the south and west by Tocumwal Road.

Development description

The proposed Mulwala Solar Farm would comprise up to 400,000 solar photovoltaic modules, known more commonly as PV modules or solar panels. The solar panels use the same type of technology used in residential solar installations located commonly throughout Australia, however are larger in size.

The solar panels would be installed in ground-mounted frames that would slowly track the daily horizontal movement of the sun. The solar panels and horizontal tracking systems would be mounted in rows that would be electrically connected into arrays before being converted from direct current to alternating current electricity via containerised power conversion units. The electricity would then be fed, via an underground, on-site, high voltage power reticulation system, into the local electricity network. The proposal will also include the potential for battery storage to be installed on site.

The construction process would include the following activities:

- Site access and establishment.
- Civil works: limited grading, compaction, stormwater drainage and sediment controls and dust suppression.
- Installation of the mounting structures: rows of piles would be pneumatically driven into the ground using specialist equipment, and steel mounting structures would then be attached to the piles. If required, ground screws may replace the need for driven piles.
- Installation of the solar panels onto the mounting structures.
- Installation and connection of the solar panels to the combiner boxes.

- Installation of the power conversion stations.
- Connection of the combiner boxes to the power conversion stations and underground cabling.
- Connection of the power conversion stations to form the onsite power reticulation system to evacuate power from the site.
- Grid connection works taking power from the onsite reticulation system to the local electricity grid.
- Commissioning and testing.

The project is anticipated to operate for up to 40 years. Operational activities involve monitoring of equipment on a daily basis, full servicing of inverters and substation equipment on a quarterly basis, and cleaning of the solar panels at regular intervals depending on how the system performs benchmarked to weather conditions.

At the end of its operational life the solar farm would be decommissioned and the site rehabilitated, with the aim of returning it to its pre-existing condition. All above-ground and underground infrastructure would be removed.

Consultation with the Aboriginal community

The Aboriginal cultural heritage assessment report will include consultation with Aboriginal people as required under the ACHCRs. The purpose of consultation is to afford an opportunity for Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) directly or indirectly affected in the area of the proposed works to participate in the decision-making process.

The cultural information provided by the registered Aboriginal parties will be included in the Aboriginal cultural heritage assessment and protocols for handling culturally sensitive information will be followed. The consultation process is outlined in Figure 2.

Aboriginal cultural heritage assessment methodology

The methodology for the Aboriginal cultural heritage assessment will comprise:

- A review of environmental background and heritage context;
- An Aboriginal Heritage Information Management System (AHIMS) search;
- An Aboriginal Cultural Heritage Register and Information System (ACHRIS) search;
- Formulation of a predictive model;
- An archaeological survey of the site;
- Assessment of significance; and,
- Formulation of recommendations for heritage management.

The above components of the Aboriginal heritage assessment methodology will be completed in consultation with the registered Aboriginal parties.

RPS will invite the registered Aboriginal parties to provide culturally appropriate information verbally or in writing in regard to this project. This includes any places of cultural value which may or may not contain archaeological material. A feedback from is attached and may be used as you see fit.

Cultural information provided by the registered Aboriginal parties will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is nominated by the registered Aboriginal party as too sensitive to be made public. If this is the case, the attached protocol (Figure 3) will be adapted and the necessary changes adopted, as agreed by the Aboriginal stakeholder/s.

As part of this methodology, the registered Aboriginal parties will be provided with the draft report for comment over a 28 day review period.

Methodology for fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010).

Survey aims

The purpose of the survey is to inspect visible ground surfaces, observe exposed soil profiles or other visible features such as scarred trees and artefact scatters, in addition to assessing whether potential archaeological deposits are present in the study area. The survey also aims to record any intangible cultural sites or landscapes, if identified by the registered Aboriginal parties.

Sampling strategy

The purpose of a sampling strategy is to provide a framework for conducting archaeological surveys in a manner which can be quantified and compared to other survey reports in the local landscape for regional comparison (Burke and Smith 2004). The sampling survey used for the Mulwala Solar Farm archaeological investigation will target all landforms which may be impacted by the proposed development. The landform of the study area is a flat-lying open plain which will be subject to a pedestrian survey.

Field methods

The survey will be conducted on foot (pedestrian) and target the landform identified in the sampling strategy above. The area surveyed will be recorded in survey units.

Each survey unit will be mapped and recorded in accordance with the landform, the study area boundaries, disturbance area boundaries, changes in survey conditions (such as visibility or ground surface exposure) and/or other relevant considerations. The mapping of survey units will be undertaken on the basis of GPS recorded data and with reference to aerial and topographic information. The recording of survey units will take the form of digital photographs and field notes which include observations of soils, ground surface exposure and visibility, vegetation cover, rock outcrops, levels of ground surface disturbance, erosion and any other ground features present. The field notes will provide a basis for the reporting of survey coverage and calculating survey effectiveness as presented in the survey results section.

Any Aboriginal sites identified during the survey will be recorded and submitted to the AHIMS database, in consultation with the registered Aboriginal parties. Such recording involves the documentation of the material traces of past Aboriginal land use, including the spatial extent of sites and any other obvious physical boundaries. Intangible cultural sites or landscapes identified by the registered Aboriginal parties are not always confined to material trace and, if identified by the registered Aboriginal parties, will be mapped where possible based on information provided by the stakeholders/s. The position of sites identified will be recorded by GPS receivers and mapped accordingly.

Process for gathering information about cultural significance

During the process of gathering information about cultural significance, the registered Aboriginal parties will be provided a number of opportunities to have input into the heritage assessment and management process. A detailed plan of the process is outlined in Figure 2.

This letter has outlined the nature of the project including mapping, the heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually held on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and review the maps of the study area, any previously recorded Aboriginal sites from AHIMS and ACHRIS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will be a two-part process: the first will be a group discussion and the second will allow the opportunity for individual discussions with each stakeholder group. This second stage is to identify if there is any confidential cultural information that should not be made public. The minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before fieldwork commences and there will be an opportunity to raise any issues or comment on the fieldwork progress.

A post-fieldwork meeting will be conducted on the last day of fieldwork. This meeting will outline the areas which have been surveyed, a summary of Aboriginal sites observed or intangible values identified (if applicable) and the discussion of cultural significance. In particular, there will be an opportunity to discuss the **Social**, **Historic** and **Aesthetic** significance of the study area and surrounds as outlined in the OEH guidelines (2011:7-11). There will be a secondary opportunity for the assessment of significance to be provided during the review of the draft report.

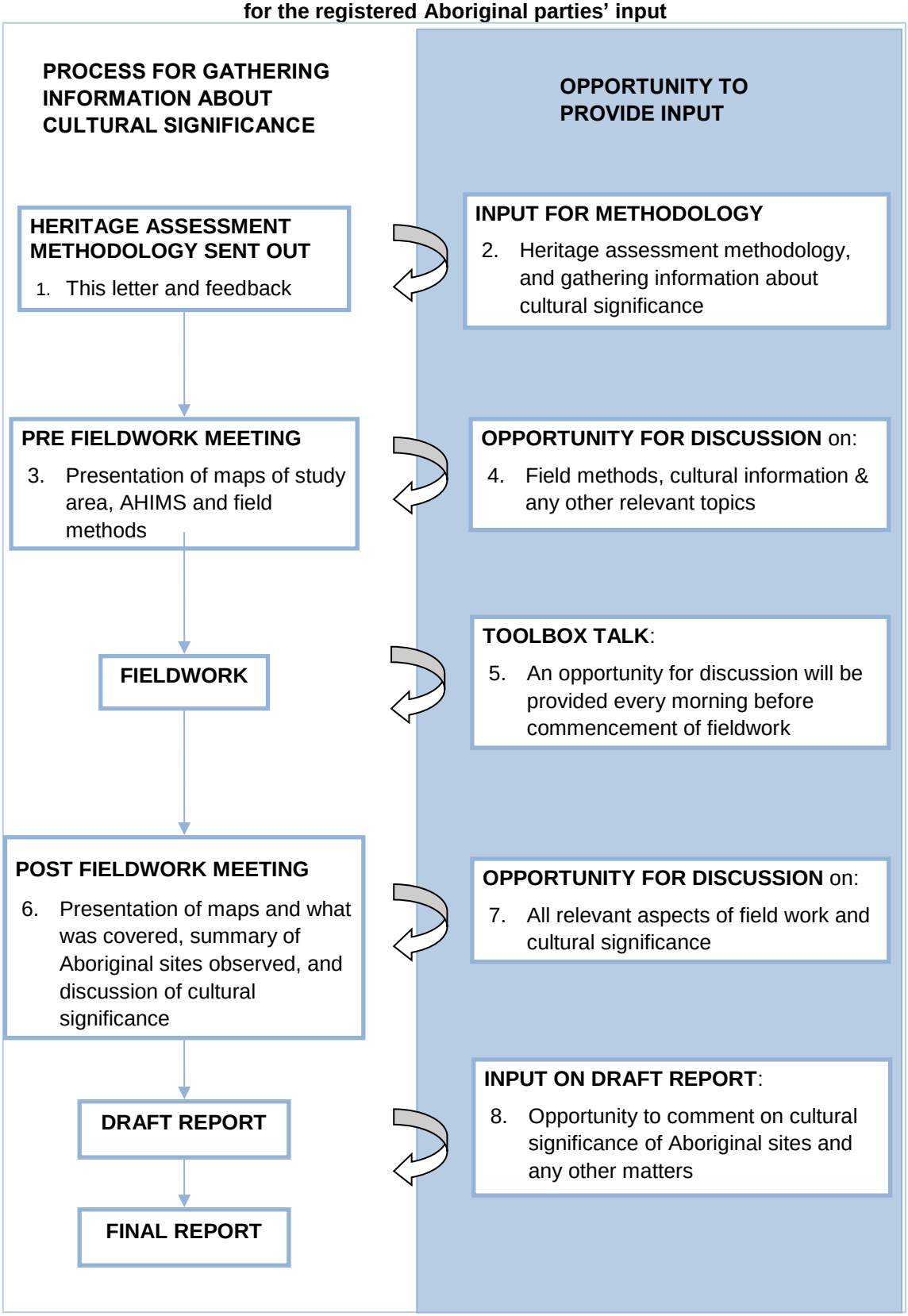
The draft report will be sent to the registered Aboriginal parties and the opportunity to assess the significance of Aboriginal sites or intangible values identified (if applicable) in the study area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. The registered Aboriginal parties will be provided with the draft report for comment over a 28 day review period.

Cultural information provided by the registered Aboriginal parties will be recorded in the Aboriginal consultation log and discussed in the report, unless the information has been identified as sensitive and is to remain confidential at the request of the stakeholder/s. If this is the case, the attached protocol (Figure 3) will be adapted and the necessary changes adopted, as agreed by the Aboriginal stakeholder/s.

Figure 1 Study area



Figure 2 Summary of process for gathering information about cultural significance and opportunities for the registered Aboriginal parties' input



Aboriginal feedback form for the Mulwala Solar Farm

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Mulwala Solar Farm. I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:

Name……..

Registered organisation…….

Signature…….....

Date…….....

Please return this document signed to the RPS team by 6 April 2018:

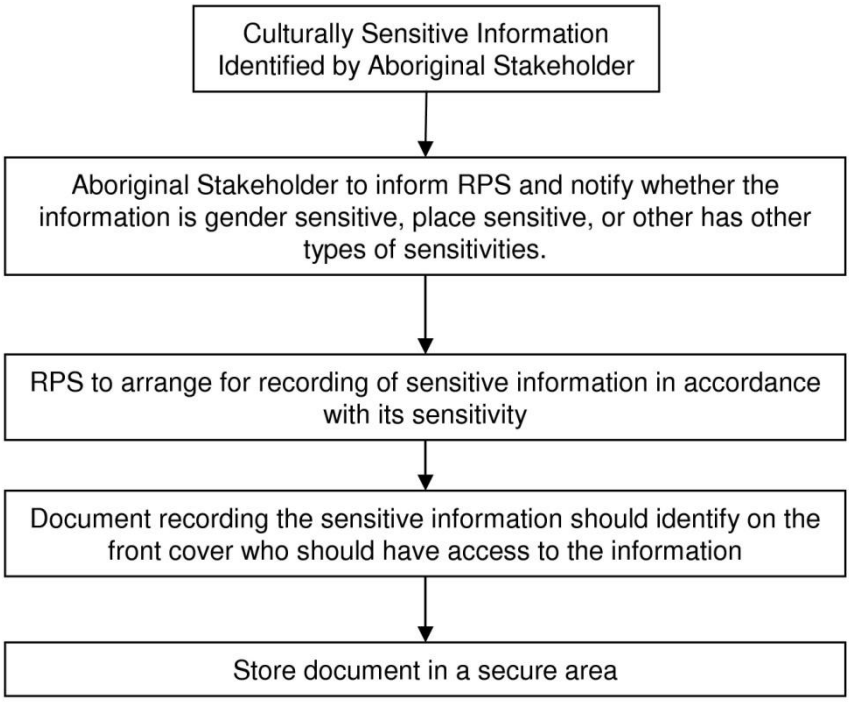
Level 14, 222 Exhibition Street

Melbourne VIC 3000

Email: laura.cross@rpsgroup.com.au

Fax: +61 3 9417 9799

Figure 3 Culturally sensitive information protocol



Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 08/03/2018
Our Ref: 18037
Via: Letter

Attn: Mark Saddler
Bundyi Aboriginal Cultural Knowledge
PO Box 8005
Kooringal NSW 2650

Dear Mark

Mulwala Solar Farm project: Methodology and sensitive information

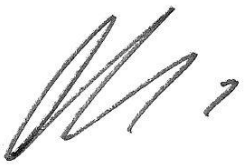
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Yours sincerely
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Erin Williams
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Mulwala Solar Farm

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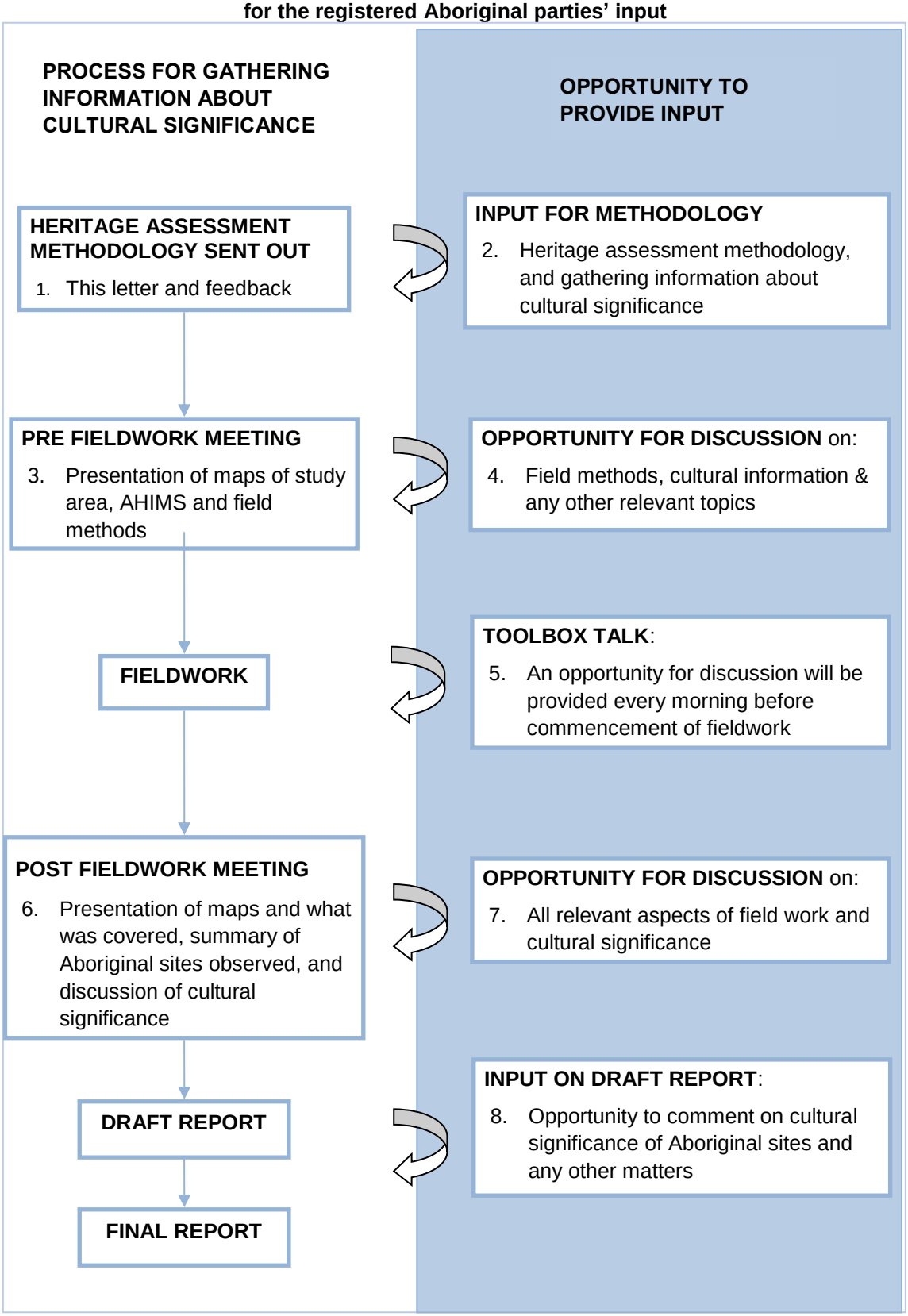
The draft report will be sent to the registered Aboriginal parties and the opportunity to assess the significance of Aboriginal sites or intangible values identified (if applicable) in the study area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. The registered Aboriginal parties will be provided with the draft report for comment over a 28 day review period.

Cultural information provided by the registered Aboriginal parties will be recorded in the Aboriginal consultation log and discussed in the report, unless the information has been identified as sensitive and is to remain confidential at the request of the stakeholder/s. If this is the case, the attached protocol (Figure 3) will be adapted and the necessary changes adopted, as agreed by the Aboriginal stakeholder/s.

Figure 1 Study area



Figure 2 Summary of process for gathering information about cultural significance and opportunities for the registered Aboriginal parties' input



Aboriginal feedback form for the Mulwala Solar Farm

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Mulwala Solar Farm. I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:

Name……..

Registered organisation…….

Signature…….....

Date…….....

Please return this document signed to the RPS team by 6 April 2018:

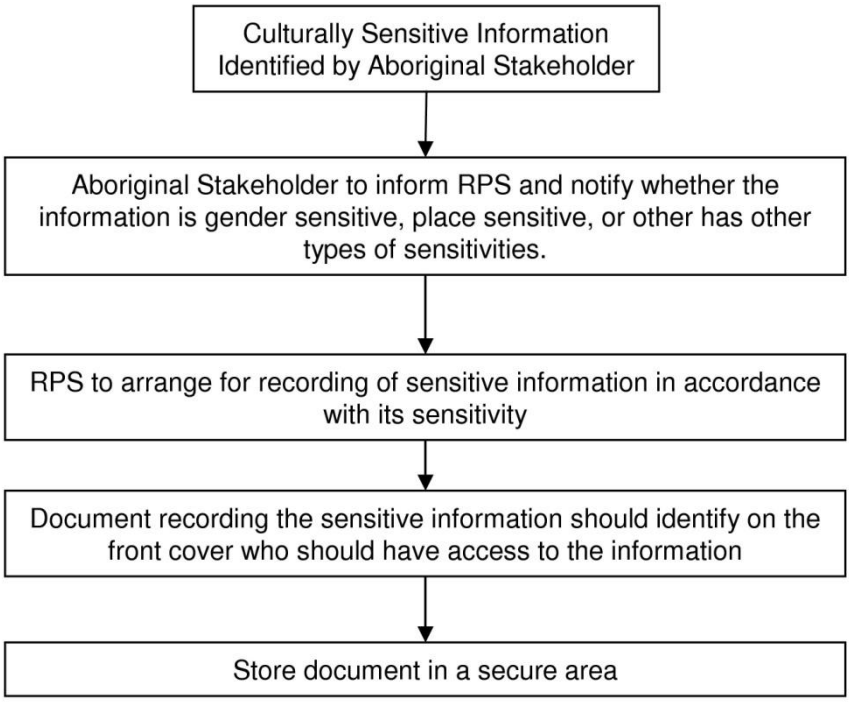
Level 14, 222 Exhibition Street

Melbourne VIC 3000

Email: laura.cross@rpsgroup.com.au

Fax: +61 3 9417 9799

Figure 3 Culturally sensitive information protocol



Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 08/03/2018
Our Ref: 18037
Via: Letter

Attn: Rebecca Atkinson
Cummeragunja Local Aboriginal Land Council
4 Tongala Road
Cummeragunga VIC 3639

Dear Rebecca,

Mulwala Solar Farm project: Methodology and sensitive information

Thank you for your registration of interest in the Mulwala Solar Farm project, you are a registered Aboriginal party for this project. Attached is the information about the proposed project and Aboriginal heritage impact assessment methodology, including the proposed methodology for the collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the Aboriginal cultural heritage consultation requirements for proponents (DECCW 2010) (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

Please provide your feedback to RPS by 5pm on 6 April 2018, either by email or return mail. Please address methodology feedback to Laura Cross at the address in the header, or to laura.cross@rpsgroup.com.au

Please contact us if you have any questions or clarifications.

Yours sincerely
RPS



Erin Williams
Senior Executive – Environment and Heritage

Mulwala Solar Farm

The following information is provided in accordance with the ACHCR process. This information is provided on the proposed project (as required by Stage 2 of the ACHCR) as well as on gathering information relating to the assessment of cultural significance (Stage 3 of ACHCR).

Project information

RPS has been engaged by ESCO Pacific to prepare an archaeological survey and cultural heritage assessment to guide the design and support the Environmental Impact Statement (EIS) for the proposed Mulwala Solar Farm, which will be assessed as a State Significant Development under the *Environmental Planning and Assessment Act 1979.* As part of these works it is necessary to undertake consultation in accordance with the ACHCRs. The purpose of community consultation with Aboriginal people is to assist the proponent in the preparation of an Aboriginal cultural heritage assessment report as required under the Secretary's Environmental Assessment Requirements, and to assist the Minister for Planning and Environment in their consideration and determination of the EIS.

The proposed Mulwala Solar Farm is a utility-scale renewable energy project of up to 140 megawatt (MW) that would be located north of the township of Mulwala, and would generate renewable energy from the power of the sun. Mulwala has been chosen as the location of the solar farm because of the relatively high solar irradiance in the region and the capacity of the existing electricity network to transmit the power generated by the project.

A map of the study area is shown in the attached Figure 1 and crosses the boundaries of one landholder who is engaged in agricultural and grazing activities. The land comprises flat-lying open paddocks. The south east paddock is irrigated with water pumped from a bore. The study area is bounded to the east by Savernake Road and to the south and west by Tocumwal Road.

Development description

The proposed Mulwala Solar Farm would comprise up to 400,000 solar photovoltaic modules, known more commonly as PV modules or solar panels. The solar panels use the same type of technology used in residential solar installations located commonly throughout Australia, however are larger in size.

The solar panels would be installed in ground-mounted frames that would slowly track the daily horizontal movement of the sun. The solar panels and horizontal tracking systems would be mounted in rows that would be electrically connected into arrays before being converted from direct current to alternating current electricity via containerised power conversion units. The electricity would then be fed, via an underground, on-site, high voltage power reticulation system, into the local electricity network. The proposal will also include the potential for battery storage to be installed on site.

The construction process would include the following activities:

- Site access and establishment.
- Civil works: limited grading, compaction, stormwater drainage and sediment controls and dust suppression.
- Installation of the mounting structures: rows of piles would be pneumatically driven into the ground using specialist equipment, and steel mounting structures would then be attached to the piles. If required, ground screws may replace the need for driven piles.

- Installation of the solar panels onto the mounting structures.
- Installation and connection of the solar panels to the combiner boxes.
- Installation of the power conversion stations.
- Connection of the combiner boxes to the power conversion stations and underground cabling.
- Connection of the power conversion stations to form the onsite power reticulation system to evacuate power from the site.
- Grid connection works taking power from the onsite reticulation system to the local electricity grid.
- Commissioning and testing.

The project is anticipated to operate for up to 40 years. Operational activities involve monitoring of equipment on a daily basis, full servicing of inverters and substation equipment on a quarterly basis, and cleaning of the solar panels at regular intervals depending on how the system performs benchmarked to weather conditions.

At the end of its operational life the solar farm would be decommissioned and the site rehabilitated, with the aim of returning it to its pre-existing condition. All above-ground and underground infrastructure would be removed.

Consultation with the Aboriginal community

The Aboriginal cultural heritage assessment report will include consultation with Aboriginal people as required under the ACHCRs. The purpose of consultation is to afford an opportunity for Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) directly or indirectly affected in the area of the proposed works to participate in the decision-making process.

The cultural information provided by the registered Aboriginal parties will be included in the Aboriginal cultural heritage assessment and protocols for handling culturally sensitive information will be followed. The consultation process is outlined in Figure 2.

Aboriginal cultural heritage assessment methodology

The methodology for the Aboriginal cultural heritage assessment will comprise:

- A review of environmental background and heritage context;
- An Aboriginal Heritage Information Management System (AHIMS) search;
- An Aboriginal Cultural Heritage Register and Information System (ACHRIS) search;
- Formulation of a predictive model;
- An archaeological survey of the site;
- Assessment of significance; and,
- Formulation of recommendations for heritage management.

The above components of the Aboriginal heritage assessment methodology will be completed in consultation with the registered Aboriginal parties.

RPS will invite the registered Aboriginal parties to provide culturally appropriate information verbally or in writing in regard to this project. This includes any places of cultural value which may or may not contain archaeological material. A feedback from is attached and may be used as you see fit.

Cultural information provided by the registered Aboriginal parties will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is nominated by the registered Aboriginal party as too sensitive to be made public. If this is the case, the attached protocol (Figure 3) will be adapted and the necessary changes adopted, as agreed by the Aboriginal stakeholder/s.

As part of this methodology, the registered Aboriginal parties will be provided with the draft report for comment over a 28 day review period.

Methodology for fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010).

Survey aims

The purpose of the survey is to inspect visible ground surfaces, observe exposed soil profiles or other visible features such as scarred trees and artefact scatters, in addition to assessing whether potential archaeological deposits are present in the study area. The survey also aims to record any intangible cultural sites or landscapes, if identified by the registered Aboriginal parties.

Sampling strategy

The purpose of a sampling strategy is to provide a framework for conducting archaeological surveys in a manner which can be quantified and compared to other survey reports in the local landscape for regional comparison (Burke and Smith 2004). The sampling survey used for the Mulwala Solar Farm archaeological investigation will target all landforms which may be impacted by the proposed development. The landform of the study area is a flat-lying open plain which will be subject to a pedestrian survey.

Field methods

The survey will be conducted on foot (pedestrian) and target the landform identified in the sampling strategy above. The area surveyed will be recorded in survey units.

Each survey unit will be mapped and recorded in accordance with the landform, the study area boundaries, disturbance area boundaries, changes in survey conditions (such as visibility or ground surface exposure) and/or other relevant considerations. The mapping of survey units will be undertaken on the basis of GPS recorded data and with reference to aerial and topographic information. The recording of survey units will take the form of digital photographs and field notes which include observations of soils, ground surface exposure and visibility, vegetation cover, rock outcrops, levels of ground surface disturbance, erosion and any other ground features present. The field notes will provide a basis for the reporting of survey coverage and calculating survey effectiveness as presented in the survey results section.

Any Aboriginal sites identified during the survey will be recorded and submitted to the AHIMS database, in consultation with the registered Aboriginal parties. Such recording involves the documentation of the material traces of past Aboriginal land use, including the spatial extent of sites and any other obvious physical boundaries. Intangible cultural sites or landscapes identified by the registered Aboriginal parties are not always confined to material trace and, if identified by the registered Aboriginal parties, will be mapped where possible based on information provided by the stakeholders/s. The position of sites identified will be recorded by GPS receivers and mapped accordingly.

Process for gathering information about cultural significance

During the process of gathering information about cultural significance, the registered Aboriginal parties will be provided a number of opportunities to have input into the heritage assessment and management process. A detailed plan of the process is outlined in Figure 2.

This letter has outlined the nature of the project including mapping, the heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually held on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and review the maps of the study area, any previously recorded Aboriginal sites from AHIMS and ACHRIS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will be a two-part process: the first will be a group discussion and the second will allow the opportunity for individual discussions with each stakeholder group. This second stage is to identify if there is any confidential cultural information that should not be made public. The minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before fieldwork commences and there will be an opportunity to raise any issues or comment on the fieldwork progress.

A post-fieldwork meeting will be conducted on the last day of fieldwork. This meeting will outline the areas which have been surveyed, a summary of Aboriginal sites observed or intangible values identified (if applicable) and the discussion of cultural significance. In particular, there will be an opportunity to discuss the **Social**, **Historic** and **Aesthetic** significance of the study area and surrounds as outlined in the OEH guidelines (2011:7-11). There will be a secondary opportunity for the assessment of significance to be provided during the review of the draft report.

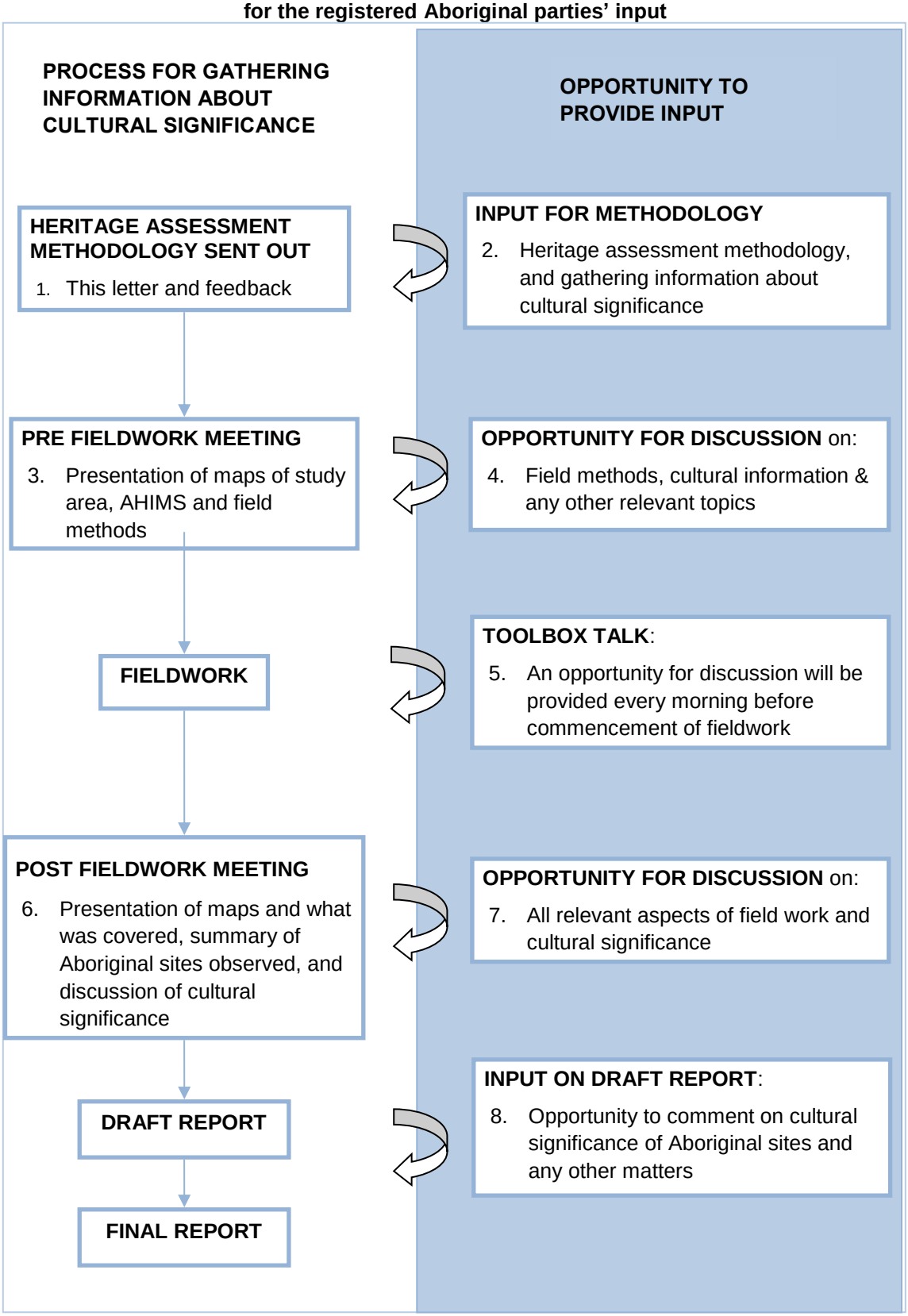
The draft report will be sent to the registered Aboriginal parties and the opportunity to assess the significance of Aboriginal sites or intangible values identified (if applicable) in the study area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. The registered Aboriginal parties will be provided with the draft report for comment over a 28 day review period.

Cultural information provided by the registered Aboriginal parties will be recorded in the Aboriginal consultation log and discussed in the report, unless the information has been identified as sensitive and is to remain confidential at the request of the stakeholder/s. If this is the case, the attached protocol (Figure 3) will be adapted and the necessary changes adopted, as agreed by the Aboriginal stakeholder/s.

Figure 1 Study area



Figure 2 Summary of process for gathering information about cultural significance and opportunities for the registered Aboriginal parties' input



Aboriginal feedback form for the Mulwala Solar Farm

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Mulwala Solar Farm. I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:

Name……..

Registered organisation…….

Signature…….....

Date…….....

Please return this document signed to the RPS team by 6 April 2018:

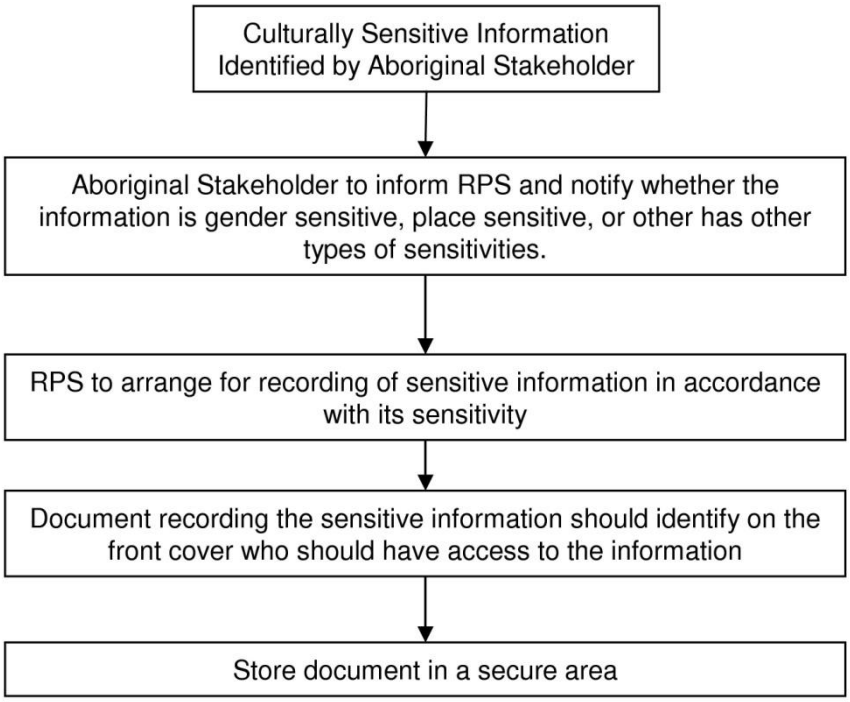
Level 14, 222 Exhibition Street

Melbourne VIC 3000

Email: laura.cross@rpsgroup.com.au

Fax: +61 3 9417 9799

Figure 3 Culturally sensitive information protocol



From: Mark Saddler
To: Laura Cross
Subject: [EXT] RE: Mulwala methodology feedback
Date: Wednesday, 28 March 2018 7:12:46 PM

Hello Laura,

Your report looks OK.

Can you give me a clearer map and a larger one so I can locate the area please ?

Guwayu (Safe Travels)

Mark Saddler,
Cultural Awareness,
School & Tour Programs,
Bundyi Cultural Tours,
www.bundyiculture.com.au

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Laura Cross <Laura.Cross@rpsgroup.com.au>
Sent: Wednesday, March 28, 2018 1:46:24 PM
To: marksad@live.com.au
Cc: Erin Williams
Subject: Mulwala methodology feedback

Hi Mark,

Just checking in to see if you have any feedback for the Mulwala Solar Farm project methodology.

We are hoping to be in the field Tues 10 April with all things going well.

Please contact me or Erin with any questions or to provide feedback.

Kind regards,
Laura

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000

From:	Laura Cross
To:	"Mark Saddler"
Subject:	Mulwala maps
Date:	Thursday, 29 March 2018 8:56:00 AM
Attachments:	Mulwala 3.png Mulwala 2.png Mulwala 1.png Mulwala 4.png

Hi Mark,

For the maps you were after: I have just grabbed some aerials from Google Earth, I hope this will help.
Let me know if I can send through anything else.

Laura

From: Mark Saddler [mailto:marksad@live.com.au]
Sent: Wednesday, 28 March 2018 7:18 PM
To: Laura Cross <Laura.Cross@rpsgroup.com.au>
Subject: RE: [EXT] RE: Mulwala methodology feedback

You working late miimi (sister) ?

Me too just doing AHIMS reports

Guwayu (Safe Travels)

Mark Saddler,
Cultural Awareness,
School & Tour Programs,
Bundyi Cultural Tours,
www.bundyiculture.com.au

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Laura Cross <Laura.Cross@rpsgroup.com.au>
Sent: Wednesday, March 28, 2018 7:14:03 PM
To: Mark Saddler
Subject: Re: [EXT] RE: Mulwala methodology feedback

Hi Mark,

Will send one through tomorrow morning.

Laura

Get Outlook for iOS

From: Laura Cross
To: CEO@CummeraLALC.com.au
Subject: Mulwala fieldwork date change
Date: Thursday, 29 March 2018 1:48:00 PM

Hi Rebecca,

Just following up from our conversation earlier, we have changed the date of the Mulwala fieldwork from Tuesday 10th April to **Wed 18th April** at **10am**.

A formal invitation for fieldwork will be sent through shortly and provide additional details.

Kind regards,
Laura

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 488 210 820
E: Laura.Cross@rpsgroup.com.au
W: rpsgroup.com.au

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T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 29/03/2018
Our Ref: 18037
Via: Email

Attn: Kevin Atkinson
Bangerang Aboriginal Corporation

Dear Kevin,

Thank you for registering your interest in the Mulwala Solar Farm project. The current works, pedestrian survey, will commence on Wednesday 18th April 2018 and is expected to last a maximum of one day. The programme will be conducted by RPS Cultural Heritage Consultants in consultation with attending representatives from the Registered Aboriginal Parties (RAP's). We request that you please provide one representative from your organisation for the fieldwork. The fieldwork will be undertaken in accordance with the methodology provided previously. There will be no access to shelter for the duration of the pedestrian survey. Please ensure that you dress appropriately and bring sufficient food and water for the day's survey. Additionally, you must be fit to work and be able to participate in a pedestrian survey.

Time onsite: Please ensure that you are onsite at 10:00am at the nominated address below.

Address: Please meet at the corner of Lambruck Lane and Savernake Road, Mulwala (see figure below).

PPE: PPE is to be worn by all participants and must include closed toe shoes or boots, high visibility vest, long sleeve shirt, long pants, wide brim hat and sunscreen etc.

Food and water: Please ensure that you bring adequate food and water supply, as the scheduled work will last all day (until 4pm).

Payment: Please make your invoice out to RPS Manidis Roberts Pty Ltd, and send to Laura Cross via the contact details below.

Site officer contact details: Can you please provide RPS with a valid mobile phone number for your nominated site representative. You may also be required to sign a fitness for work agreement.

Registration of participation: To indicate that you are available to participate this date, please contact me by phone or email me with your mobile phone number to the contact details below.

RPS
Laura Cross
Level 14/222 Exhibition Street
Melbourne, Victoria
Australia, 3000
Email: laura.cross@rpsgroup.com.au
Phone: + 61 3 9417 9736

If you have any further enquiries regarding the above, please do not hesitate to contact Laura Cross or Erin Williams on 03 9417 9700.

Yours sincerely



Erin Williams



Figure 1 Meeting point indicated by pin

Melbourne - Exhibition Street Office
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T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 29/03/2018
Our Ref: 18037
Via: Email

Attn: Rebecca Atkinson
Cummeragunja Local Aboriginal Land Council

Dear Rebecca,

Thank you for registering your interest in the Mulwala Solar Farm project. The current works, pedestrian survey, will commence on Wednesday 18th April 2018 and is expected to last a maximum of one day. The programme will be conducted by RPS Cultural Heritage Consultants in consultation with attending representatives from the Registered Aboriginal Parties (RAP's). We request that you please provide two representatives from your organisation for the fieldwork. The fieldwork will be undertaken in accordance with the methodology provided previously. There will be no access to shelter for the duration of the pedestrian survey. Please ensure that you dress appropriately and bring sufficient food and water for the day's survey. Additionally, you must be fit to work and be able to participate in a pedestrian survey.

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Payment: Please make your invoice out to RPS Manidis Roberts Pty Ltd, and send to Laura Cross via the contact details below.

Site officer contact details: Can you please provide RPS with a valid mobile phone number for your nominated site representative. You may also be required to sign a fitness for work agreement.

Registration of participation: To indicate that you are available to participate this date, please contact me by phone or email me with your mobile phone number to the contact details below.

RPS
Laura Cross
Level 14/222 Exhibition Street
Melbourne, Victoria
Australia, 3000
Email: laura.cross@rpsgroup.com.au
Phone: + 61 3 9417 9736

If you have any further enquiries regarding the above, please do not hesitate to contact Laura Cross or Erin Williams on 03 9417 9700.

Yours sincerely



Erin Williams



Figure 1 Meeting point indicated by pin

Melbourne - Exhibition Street Office
Level 14, 222 Exhibition Street, Melbourne VIC 3000
T +61 3 9417 9700

RPS Manidis Roberts Pty Ltd ABN 42 003 550 972
A member of the RPS Group Plc

Date: 29/03/2018
Our Ref: 18037
Via: Email

Attn: Mark Saddler
Bundyi Aboriginal Cultural Knowledge

Dear Mark,

Thank you for registering your interest in the Mulwala Solar Farm project. The current works, pedestrian survey, will commence on Wednesday 18th April 2018 and is expected to last a maximum of one day. The programme will be conducted by RPS Cultural Heritage Consultants in consultation with attending representatives from the Registered Aboriginal Parties (RAP's). We request that you please provide one representative from your organisation for the fieldwork. The fieldwork will be undertaken in accordance with the methodology provided previously. There will be no access to shelter for the duration of the pedestrian survey. Please ensure that you dress appropriately and bring sufficient food and water for the day's survey. Additionally, you must be fit to work and be able to participate in a pedestrian survey.

Time onsite: Please ensure that you are onsite at 10:00am at the nominated address below.

Address: Please meet at the corner of Lambruck Lane and Savernake Road, Mulwala (see figure below).

PPE: PPE is to be worn by all participants and must include closed toe shoes or boots, high visibility vest, long sleeve shirt, long pants, wide brim hat and sunscreen etc.

Food and water: Please ensure that you bring adequate food and water supply, as the scheduled work will last all day (until 4pm).

Payment: Please make your invoice out to RPS Manidis Roberts Pty Ltd, and send to Laura Cross via the contact details below.

Site officer contact details: Can you please provide RPS with a valid mobile phone number for your nominated site representative. You may also be required to sign a fitness for work agreement.

Registration of participation: To indicate that you are available to participate this date, please contact me by phone or email me with your mobile phone number to the contact details below.

RPS
Laura Cross
Level 14/222 Exhibition Street
Melbourne, Victoria
Australia, 3000
Email: laura.cross@rpsgroup.com.au
Phone: + 61 3 9417 9736

If you have any further enquiries regarding the above, please do not hesitate to contact Laura Cross or Erin Williams on 03 9417 9700.

Yours sincerely



Erin Williams



Figure 1 Meeting point indicated by pin

From: Mark Saddler
To: Laura Cross
Subject: Re: [EXT] Re: Mulwala Solar Farm project - invitation for fieldwork
Date: Tuesday, 3 April 2018 11:03:18 AM

Ta.

Sent from Mark's Iphone.

On 3 Apr 2018, at 11:01 am, Laura Cross <Laura.Cross@rpsgroup.com.au> wrote:

> Ok enjoy,
> I will have a look and get back to you.
>
> Laura
>
> ---
>
> **From:** Mark Saddler [mailto:marksad@live.com.au]
> **Sent:** Tuesday, 3 April 2018 11:01 AM
> **To:** Laura Cross <Laura.Cross@rpsgroup.com.au>
> **Subject:** Re: [EXT] Re: Mulwala Solar Farm project - invitation for fieldwork
>
> I'm out bush today but I did send my quote with my expression of interest.
>
> Sent from Mark's Iphone.
>
> On 3 Apr 2018, at 10:53 am, Laura Cross <Laura.Cross@rpsgroup.com.au> wrote:
>
> > Hi Mark,
> >
> > We will be meeting at the corner of Lambruck Lane and Savernake Road, Mulwala. There is an image attached in the invitation that should give you a better idea of the meeting spot.
> >
> > Can you please provide me with specifics of what your work terms and payment arrangements are?
> >
> > If it is easier to discuss over the phone, please feel free to call me 0488210820.
> >
> > Laura
> >
> > ---
> >
> > **From:** Mark Saddler [mailto:marksad@live.com.au]
> > **Sent:** Tuesday, 3 April 2018 10:26 AM
> > **To:** Laura Cross <Laura.Cross@rpsgroup.com.au>
> > **Subject:** [EXT] Re: Mulwala Solar Farm project - invitation for fieldwork

Hello Laura,

Your methodology looks fine.
Can you advise on meeting place and time for the 18th April please.
Also if my work terms and payments are agreed to ?

Sent from Mark's Iphone.

On 3 Apr 2018, at 10:21 am, Laura Cross <Laura.Cross@rpsgroup.com.au> wrote:

> Hi Mark,
>
> I have attached the invitation for fieldwork for the Mulwala Solar Farm project. Following up from our conversation, you did not have any feedback for the methodology. We have organised to be in the field on the Wednesday 18th April. Additional details are outlined in the attached invitation.
>
> Please feel free to contact me or Erin with any questions or concerns.
>
> Kind regards,
> Laura

<image001.jpg>

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000

T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 488 210 820
E: Laura.Cross@rpsgroup.com.au
W: rpsgroup.com.au

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<18037 Mulwala Solar Farm 2018-03-29 Bundyi.pdf>

From: Mark Saddler
To: Laura Cross
Subject: RE: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm
Date: Wednesday, 4 April 2018 1:15:30 PM

OK

Guwayu (Safe Travels)

Mark Saddler,
Cultural Awareness,
School & Tour Programs,
Bundyi Cultural Tours,
www.bundyiculture.com.au

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Laura Cross <Laura.Cross@rpsgroup.com.au>
Sent: Wednesday, April 4, 2018 1:14:07 PM
To: Mark Saddler
Subject: Re: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

Hi Mark,

I passed the requests on to Erin and she is happy with them.

Talk soon,
Laura

Get Outlook for iOS

From: Laura Cross
Sent: Tuesday, April 3, 2018 6:10:29 PM
To: Mark Saddler
Subject: Re: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

That’s better! Will get in contact with Erin and discuss tomorrow.

Thank you!
Laura

Get Outlook for iOS

From: Mark Saddler <marksad@live.com.au>
Sent: Tuesday, April 3, 2018 6:07:44 PM
To: Laura Cross
Subject: RE: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

Try this ?

Guwayu (Safe Travels)

Mark Saddler,
Cultural Awareness,
School & Tour Programs,
Bundyi Cultural Tours,
www.bundyiculture.com.au

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Laura Cross <Laura.Cross@rpsgroup.com.au>
Sent: Tuesday, April 3, 2018 11:08:06 AM
To: Mark Saddler
Subject: RE: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

Hi Mark,

I have just found the EOI you sent us. It doesn't have any specifics included, it reads as though you were going to forward us the information at a later stage.

Laura

From: Mark Saddler [mailto:marksad@live.com.au]
Sent: Monday, 5 March 2018 2:27 PM
To: Erin Williams <Erin.Williams@rpsgroup.com.au>
Cc: Laura Cross <Laura.Cross@rpsgroup.com.au>
Subject: [EXT] RE: Invitation for expression of interest - Mulwala Solar Farm

Yamandhu Marang Erin ?
(are you well)

I have attached my EOI for the Mulwala Solar Farm, I have cc'd in Laura.

Can you both confirm that you have received my EOI ?

Guwayu (Safe Travels)

Mark Saddler

Wagga Wagga 2650

Ph 0412 693 030

I respectfully acknowledge the traditional custodians of my land "The Wiradjuri people"

From: Erin Williams <Erin.Williams@rpsgroup.com.au>
Sent: Monday, March 5, 2018 12:47:04 PM
To: marksad@live.com.au
Cc: Laura Cross
Subject: Invitation for expression of interest - Mulwala Solar Farm

Dear Mark,

Please find attached an invitation for expressions of interest in the Aboriginal consultation process for the proposed Mulwala Solar Farm. EOIs close 20 March 2018, please do not hesitate to contact myself or Laura if you require further information.

Kind regards,

Erin

RPS

Erin Williams
Senior Executive - Environment & Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, VIC, Australia, 3000
D: +61 3 9417 9713
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 419 091 216
E: Erin.Williams@rpsgroup.com.au
W: rpsgroup.com.au

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From: Laura Cross
To: "Kevin A"
Subject: Mulwala ACHAR feedback
Date: Tuesday, 19 June 2018 9:59:00 AM

Hi Kevin,

This is just a heads up that I will be in contact later today regarding feedback for the Mulwala ACHAR.
If you've got any comments or concerns please let me know.

Laura

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
Level 14, 222 Exhibition Street, Melbourne, Vic, Australia, 3000
T: +61 3 9417 9700
F: +61 3 9417 9799
M: +61 488 210 820
E: Laura.Cross@rpsgroup.com.au
W: rpsgroup.com.au

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From: Laura Cross
To: "Mark Saddler"
Subject: Mulwala ACHAR feedback
Date: Tuesday, 19 June 2018 10:25:00 AM
Attachments: PR139550-1 Mulwala Solar ACHAR v2-0.pdf

Hi Mark,

Just following up from our conversation. Attached is the Mulwala ACHAR for your review. The deadline for feedback is the 21 June.

Can you please send through your report from the survey?

Please feel free to contact me with any comments or concerns,
Laura

RPS

Laura Cross
Graduate Consultant - Heritage
Australia Asia Pacific
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F: +61 3 9417 9799
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From: Laura Cross
To: "CEO@CummeraLALC.com.au"
Subject: Paid Mulwala invoice
Date: Tuesday, 19 June 2018 9:53:00 AM
Attachments: Mulwala survey receipt CLALC.pdf

Hi Rebecca,

Attached is a copy of the payment receipt for the Mulwala survey. Sorry for the hassle with this. It was paid on the 11/05/2018.

I will be in contact shortly regarding any feedback from the ACHAR.

Laura

RPS

Laura Cross
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From: Laura Cross
To: "Kevin A"
Subject: Mulwala ACHAR feedback
Date: Tuesday, 19 June 2018 9:59:00 AM

Hi Kevin,

This is just a heads up that I will be in contact later today regarding feedback for the Mulwala ACHAR.
If you've got any comments or concerns please let me know.

Laura

Laura Cross
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From: Rebecca Atkinson
To: Laura Cross
Subject: [EXT] RE: Mulwala ACHAR for review
Date: Wednesday, 20 June 2018 6:58:01 PM

Comments:
Pg 23 – Freddie Atkinson – needs to be changed, he's not an Atkinson
Pg 24 – Agree with item 4
Pg 31 – Ethno- Historical Accounts – paragraph 2 – Delete or change, as this area in not Yorta Yorta.

From: Laura Cross [mailto:Laura.Cross@rpsgroup.com.au]
Sent: Tuesday, June 19, 2018 11:07 AM
To: Rebecca Atkinson
Subject: Mulwala ACHAR for review

Hi there,
Just following up from our conversation. Attached is the Mulwala ACHAR for review, Rebecca was the previous contact for this project.
The deadline for feedback is the 21 June.

Please contact me on 0488 210 820 with any questions or comments.

Laura

RPS

Laura Cross
Graduate Consultant - Heritage
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W: rpsgroup.com.au

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From: Laura Cross
To: "Rebecca Atkinson"
Subject: RE: [EXT] RE: Mulwala ACHAR for review
Date: Thursday, 21 June 2018 9:03:00 AM

Hi Rebecca,

Thank you for the feedback. Those changes will be addressed.

I have chased the accounts team and the invoice for BAC will be paid tomorrow.

Thanks,
Laura

From: Rebecca Atkinson [mailto:CEO@CummeraLALC.com.au]
Sent: Wednesday, 20 June 2018 6:58 PM
To: Laura Cross <Laura.Cross@rpsgroup.com.au>
Subject: [EXT] RE: Mulwala ACHAR for review

Comments:
Pg 23 – Freddie Atkinson – needs to be changed, he's not an Atkinson
Pg 24 – Agree with item 4
Pg 31 – Ethno- Historical Accounts – paragraph 2 – Delete or change, as this area in not Yorta Yorta.

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Sent: Tuesday, June 19, 2018 11:07 AM
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Laura

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Appendix C

AHIMS + ACHRIS Searches

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : PR139550

Client Service ID : 330064

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
55-4-0244	MWTP Scarred Tree 1	GDA	55	409494	6015888	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	**Recorders**	Jacobs Group (Australia) Pty Ltd - Armadale Victoria,Ms.Amanda Goldfarb					**Permits**		
55-4-0245	MWTP Scarred Tree 2	GDA	55	409595	6015838	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	**Recorders**	Jacobs Group (Australia) Pty Ltd - Armadale Victoria,Ms.Amanda Goldfarb					**Permits**		
55-4-0246	MWTP 1	GDA	55	409723	6015824	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact	**Recorders**	Jacobs Group (Australia) Pty Ltd - Melbourne,Ms.Amanda Goldfarb					**Permits**		
60-2-0011	Capri Waters Resort Burials	GDA	55	410030	6015510	Open site	Valid	Burial : 2		
	Contact	**Recorders**	Harvey Johnston					**Permits**		
60-1-0001	Mulwala Scarred Tree 1	AGD	55	408400	6014950	Open site	Valid	Modified Tree (Carved or Scarred) : 1		
	Contact T Russell	**Recorders**	Harvey Johnston					**Permits**		
55-5-0131	Mulwala Pre-School 1	GDA	55	410374	6016866	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	**Recorders**	Mr.Mark Saddler					**Permits**		

Report generated by AHIMS Web Service on 26/02/2018 for Laura Cross for the following area at Datum :GDA, Zone : 55, Eastings : 401969 - 416387, Northings : 6010924 - 6028357 with a Buffer of 50 meters. Additional Info : EIS. Number of Aboriginal sites and Aboriginal objects found is 6

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

VAHR Forı	Aboriginal Place No	Aboriginal Place Name	Component Place Numb	Component Type	Component Feature Type	Easting	Northing	Zone
Open	8025-0006	O'BRYANS PROPERTY BURIAL	8025-0006-1	Aboriginal Ancestral Remains (Burial)		406413	6013684	55
Open	8025-0189	YARRAWONGA 1	8025-0189-1	Shell Midden		407763	6014572	55
Open	8025-0189	YARRAWONGA 1	8025-0189-2	Earth Feature	Soil Deposit	407763	6014572	55
Open	8025-0190	YARRAWONGA 2	8025-0190-1	Scarred Tree		407698	6014513	55
Open	8025-0199	BROWNINGS RD 1	8025-0199-1	Artefact Scatter		406437	6012624	55
Open	8025-0200	BROWNINGS RD 2	8025-0200-1	Scarred Tree		406299	6010631	55
Open	8025-0201	BROWNINGS RD 3	8025-0201-1	Scarred Tree		406306	6010566	55
Open	8025-0202	BROWNINGS RD 4	8025-0202-1	Scarred Tree		406291	6010528	55
Open	8026-0002	BRUCES BEND BURIAL	8026-0002-1	Aboriginal Ancestral Remains (Burial)		404112	6017991	55
Open	8026-0003	BRUCES BEND HEARTH 1	8026-0003-1	Earth Feature	Hearth	404056	6017948	55
Open	8026-0004	BRUCES BEND HEARTH 2	8026-0004-1	Earth Feature	Hearth	404117	6017938	55
Open	8026-0005	BRUCES BEND AXE	8026-0005-1	Artefact Scatter		404078	6017916	55
Open	8026-0006	BRUCES BEND TREE	8026-0006-1	Scarred Tree		404060	6018001	55
Open	8026-0007	BRUCES TRACK TREE	8026-0007-1	Scarred Tree		401997	6018810	55
Open	8026-0008	BRUCES ROAD TREE	8026-0008-1	Scarred Tree		403613	6018085	55
Open	8026-0010	BRUCES TRACK SCATTER	8026-0010-1	Artefact Scatter		403441	6018151	55
Open	8026-0011	BRUCES TRACK BURIAL	8026-0011-1	Aboriginal Ancestral Remains (Burial)		403475	6018194	55
Open	8026-0012	NEVINS TRK 1	8026-0012-1	Aboriginal Ancestral Remains (Burial)		398313	6019084	55
Open	8026-0012	NEVINS TRK 1	8026-0012-2	Earth Feature	Hearth	398313	6019084	55
Open	8026-0049	BRUCES NO.1 ST 1	8026-0049-1	Scarred Tree		403017	6019422	55
Open	8125-0094	BATHUMI 1	8125-0094-1	Scarred Tree		420153	6011172	55
Open	8125-0095	BATHUMI 2	8125-0095-1	Scarred Tree		418626	6011114	55
Open	8125-0096	BATHUMI 3	8125-0096-1	Scarred Tree		417788	6011135	55
Open	8125-0097	BATHUMI 4	8125-0097-1	Scarred Tree		415133	6011146	55
Open	8125-0108	YARRAWONGA STATE SCHOOL RE	8125-0108-1	Aboriginal Ancestral Remains (Burial)		410113	6014484	55
Open	8125-0191	GLANMIRE PARK A1	8125-0191-1	Artefact Scatter		412322	6014018	55
Open	8125-0192	GLANMIRE PARK A2	8125-0192-1	Scarred Tree		412548	6014287	55
Open	8125-0193	GLANMIRE PARK A3	8125-0193-1	Scarred Tree		412673	6014390	55
Open	8125-0194	GLANMIRE PARK A4	8125-0194-1	Earth Feature	Mound	412660	6014326	55
Open	8125-0195	GLANMIRE PARK A5	8125-0195-1	Scarred Tree		411466	6012972	55
Open	8125-0196	GLANMIRE PARK A6	8125-0196-1	Scarred Tree		411881	6012984	55
Open	8125-0197	GLANMIRE PARK A7	8125-0197-1	Scarred Tree		411996	6013121	55
Open	8125-0198	GLANMIRE PARK A8	8125-0198-1	Artefact Scatter		411615	6013849	55
Open	8125-0199	GLANMIRE PARK A9	8125-0199-1	Artefact Scatter		412094	6013867	55
Open	8125-0200	GLANMIRE PARK A10	8125-0200-1	Artefact Scatter		411633	6012919	55
Open	8125-0319	SILVERWOODS 2	8125-0319-1	Artefact Scatter		413885	6015432	55
Open	8125-0320	SILVERWOODS 3	8125-0320-1	Artefact Scatter		413665	6015471	55
Open	8125-0321	SILVERWOODS 4	8125-0321-1	Artefact Scatter		413656	6015388	55
Open	8125-0322	SILVERWOODS 5	8125-0322-1	Artefact Scatter		413763	6015373	55
Open	8125-0323	SILVERWOODS 6	8125-0323-1	Artefact Scatter		413846	6015324	55

Open	8125-0324	SILVERWOODS 7	8125-0324-1	Artefact Scatter	413718	6015268	55
Open	8125-0325	SILVERWOODS 8	8125-0325-1	Artefact Scatter	413808	6015270	55
Open	8125-0326	SILVERWOODS 9	8125-0326-1	Artefact Scatter	413782	6015250	55
Open	8125-0327	SILVERWOODS 10	8125-0327-1	Artefact Scatter	413917	6015378	55
Open	8125-0328	SILVERWOODS 11	8125-0328-1	Artefact Scatter	413954	6015418	55
Open	8125-0329	SILVERWOODS 1	8125-0329-1	Artefact Scatter	413319	6015400	55
Open	8125-0349	Botts Road AS1	8125-0349-1	Artefact Scatter	412624	6015348	55
Open	8125-0350	Botts Road AS2	8125-0350-1	Artefact Scatter	412539	6015351	55
Open	8125-0351	Murray Valley Highway Bundalong 1	8125-0351-1	Artefact Scatter	419075	6012912	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-2	Low Density Artefact Distribution	415080	6013403	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-3	Low Density Artefact Distribution	414860.6	6014263	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-4	Low Density Artefact Distribution	414869.5	6014196	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-5	Low Density Artefact Distribution	414878.2	6014191	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-6	Low Density Artefact Distribution	414882.3	6014193	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-7	Low Density Artefact Distribution	414885	6014192	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-8	Low Density Artefact Distribution	414891.5	6014194	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-9	Low Density Artefact Distribution	414889.7	6014231	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-10	Low Density Artefact Distribution	414873.8	6014255	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-11	Low Density Artefact Distribution	414872.4	6014273	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-12	Low Density Artefact Distribution	414908.5	6014066	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-13	Low Density Artefact Distribution	414902.4	6014065	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-14	Low Density Artefact Distribution	414909.8	6014037	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-15	Low Density Artefact Distribution	414901.2	6014035	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-16	Low Density Artefact Distribution	414969.8	6013987	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-17	Low Density Artefact Distribution	414967.8	6013985	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-18	Low Density Artefact Distribution	414974.6	6013958	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-19	Low Density Artefact Distribution	414976.9	6013953	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-20	Low Density Artefact Distribution	414933.6	6013969	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-21	Low Density Artefact Distribution	414894.5	6013989	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-22	Low Density Artefact Distribution	414928.3	6014056	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-23	Low Density Artefact Distribution	414932.4	6014054	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-24	Low Density Artefact Distribution	414931.8	6014051	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-25	Low Density Artefact Distribution	414949.1	6014022	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-26	Low Density Artefact Distribution	414945.6	6014026	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-27	Low Density Artefact Distribution	414940.1	6014058	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-28	Low Density Artefact Distribution	414934.6	6014063	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-29	Low Density Artefact Distribution	414939.4	6014074	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-30	Low Density Artefact Distribution	414935.3	6014079	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-31	Low Density Artefact Distribution	414962.6	6013989	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-32	Low Density Artefact Distribution	414957.2	6013912	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-33	Low Density Artefact Distribution	414981.9	6013909	55

Open	8125-0446	8380 MVH LDAD1	8125-0446-34	Low Density Artefact Distribution	414986	6013924	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-35	Low Density Artefact Distribution	414988	6013926	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-36	Low Density Artefact Distribution	414976	6013941	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-37	Low Density Artefact Distribution	414974.7	6013946	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-38	Low Density Artefact Distribution	414982.9	6013908	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-39	Low Density Artefact Distribution	415021.9	6013794	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-40	Low Density Artefact Distribution	415054.8	6013669	55
Open	8125-0446	8380 MVH LDAD1	8125-0446-41	Low Density Artefact Distribution	415123.5	6013540	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-2	Low Density Artefact Distribution	415127.7	6013539	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-3	Low Density Artefact Distribution	415119.6	6013523	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-4	Low Density Artefact Distribution	415108.8	6013591	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-5	Low Density Artefact Distribution	415175.5	6013457	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-6	Low Density Artefact Distribution	415186.3	6013455	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-7	Low Density Artefact Distribution	415188.3	6013453	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-8	Low Density Artefact Distribution	415315.4	6013374	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-9	Low Density Artefact Distribution	415711.4	6013047	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-10	Low Density Artefact Distribution	415711.9	6013049	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-11	Low Density Artefact Distribution	415706.4	6013055	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-12	Low Density Artefact Distribution	414928.2	6014075	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-13	Low Density Artefact Distribution	414909.1	6014062	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-14	Low Density Artefact Distribution	414896.5	6014044	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-15	Low Density Artefact Distribution	414888.5	6014012	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-16	Low Density Artefact Distribution	414898.1	6014005	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-17	Low Density Artefact Distribution	414903.6	6013995	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-18	Low Density Artefact Distribution	414915.5	6013994	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-19	Low Density Artefact Distribution	414870.3	6014261	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-20	Low Density Artefact Distribution	414871.3	6014212	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-21	Low Density Artefact Distribution	415021.9	6013748	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-22	Low Density Artefact Distribution	414886.4	6014200	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-23	Low Density Artefact Distribution	414882.2	6013996	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-24	Low Density Artefact Distribution	414953.3	6014038	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-25	Low Density Artefact Distribution	414952.8	6014021	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-26	Low Density Artefact Distribution	414860.8	6014224	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-27	Low Density Artefact Distribution	414871.4	6014231	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-28	Low Density Artefact Distribution	414843.4	6014283	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-29	Low Density Artefact Distribution	414849.9	6014276	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-30	Low Density Artefact Distribution	414873.3	6014216	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-31	Low Density Artefact Distribution	414894.7	6014214	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-32	Low Density Artefact Distribution	414882.5	6014245	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-33	Low Density Artefact Distribution	414877.1	6014248	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-34	Low Density Artefact Distribution	414917.8	6014109	55

Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-35	Low Density Artefact Distribution	414923.5	6014098	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-36	Low Density Artefact Distribution	414918.4	6014100	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-37	Low Density Artefact Distribution	414928	6014086	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-38	Low Density Artefact Distribution	414909.3	6014083	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-39	Low Density Artefact Distribution	414909.1	6014062	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-40	Low Density Artefact Distribution	414910.1	6014063	55
Open	8125-0447	8380 Murray Valley Highway LDAD2	8125-0447-41	Low Density Artefact Distribution	414906.3	6014066	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-2	Low Density Artefact Distribution	414903.9	6014075	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-3	Low Density Artefact Distribution	414900.9	6014078	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-4	Low Density Artefact Distribution	414905.5	6014075	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-5	Low Density Artefact Distribution	414910.8	6014032	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-6	Low Density Artefact Distribution	414899.2	6014035	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-7	Low Density Artefact Distribution	414886.5	6014028	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-8	Low Density Artefact Distribution	414888.4	6014029	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-9	Low Density Artefact Distribution	414910.5	6014010	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-10	Low Density Artefact Distribution	414947.5	6013989	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-11	Low Density Artefact Distribution	414966.8	6013981	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-12	Low Density Artefact Distribution	414942.6	6013966	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-13	Low Density Artefact Distribution	414937.9	6013967	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-14	Low Density Artefact Distribution	414922.2	6013977	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-15	Low Density Artefact Distribution	414889.8	6013993	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-16	Low Density Artefact Distribution	414892.1	6013998	55
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Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-19	Low Density Artefact Distribution	414879	6013998	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-20	Low Density Artefact Distribution	414928.7	6014064	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-21	Low Density Artefact Distribution	414929.2	6014057	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-22	Low Density Artefact Distribution	414946.4	6014039	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-23	Low Density Artefact Distribution	414948.7	6014034	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-24	Low Density Artefact Distribution	414950.1	6014034	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-25	Low Density Artefact Distribution	414952.3	6014035	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-26	Low Density Artefact Distribution	414953.4	6014028	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-27	Low Density Artefact Distribution	414950	6014022	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-28	Low Density Artefact Distribution	414947.8	6014021	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-29	Low Density Artefact Distribution	414946.4	6014048	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-30	Low Density Artefact Distribution	414941.2	6014064	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-31	Low Density Artefact Distribution	414964.7	6014003	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-32	Low Density Artefact Distribution	414968.1	6013980	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-33	Low Density Artefact Distribution	414960.7	6013968	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-34	Low Density Artefact Distribution	414959.8	6013961	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-35	Low Density Artefact Distribution	414959.1	6013960	55

Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-36	Low Density Artefact Distribution	414950.1	6013941	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-37	Low Density Artefact Distribution	414961.8	6013906	55
Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-38	Low Density Artefact Distribution	414976.1	6013913	55
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Open	8125-0448	8380 Murray Valley Highway LDAD3	8125-0448-41	Low Density Artefact Distribution	414982.8	6013929	55
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Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-5	Low Density Artefact Distribution	414973.5	6013949	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-6	Low Density Artefact Distribution	414973.8	6013946	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-7	Low Density Artefact Distribution	415003	6013879	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-8	Low Density Artefact Distribution	414988	6013876	55
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Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-10	Low Density Artefact Distribution	415024	6013805	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-11	Low Density Artefact Distribution	415024.8	6013751	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-12	Low Density Artefact Distribution	415049.4	6013676	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-13	Low Density Artefact Distribution	415119.7	6013528	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-14	Low Density Artefact Distribution	415114.9	6013566	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-15	Low Density Artefact Distribution	415111.4	6013584	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-16	Low Density Artefact Distribution	415211.8	6013440	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-17	Low Density Artefact Distribution	415289.1	6013389	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-18	Low Density Artefact Distribution	415439.3	6013280	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-19	Low Density Artefact Distribution	415507.6	6013248	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-20	Low Density Artefact Distribution	414913.9	6014073	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-21	Low Density Artefact Distribution	414906	6014048	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-22	Low Density Artefact Distribution	414897.3	6014023	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-23	Low Density Artefact Distribution	414894.5	6013989	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-24	Low Density Artefact Distribution	414899.7	6013978	55
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Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-26	Low Density Artefact Distribution	414945.8	6013962	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-27	Low Density Artefact Distribution	414904.3	6013985	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-28	Low Density Artefact Distribution	415026.8	6013775	55
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Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-30	Low Density Artefact Distribution	414915.5	6014130	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-31	Low Density Artefact Distribution	414879.3	6014182	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-32	Low Density Artefact Distribution	414864.9	6014222	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-33	Low Density Artefact Distribution	414866.7	6014218	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-34	Low Density Artefact Distribution	414957.2	6014025	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-35	Low Density Artefact Distribution	415129.3	6013527	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-36	Low Density Artefact Distribution	414915.5	6014088	55

Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-37	Low Density Artefact Distribution	414973.2	6013951	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-38	Low Density Artefact Distribution	414900.5	6013986	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-39	Low Density Artefact Distribution	414933.3	6014060	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-40	Low Density Artefact Distribution	414928.9	6013968	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-41	Low Density Artefact Distribution	414939.6	6014063	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-42	Low Density Artefact Distribution	415107.2	6013581	55
Open	8125-0449	8380 Murray Valley Highway LDAD4	8125-0449-43	Low Density Artefact Distribution	415466.8	6013175	55

Appendix D

Newly Registered AHIMS Site Cards

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID: 55-4-0261 **Date recorded:** 04-05-2018

Site Location Information

Site name: Mulwala Isolated Artefact 1

Easting: 409343 **Northing:** 6020057 **Coordinates must be in GDA (MGA)**

Horizontal Accuracy (m): 5

Zone: 55 **Location method:** Differential GPS

Recorder Information

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

Title	Surname	First name
Ms.	Irwin	Lucy

Organisation: RPS

Address: Level 13 255 Pitt Street, Sydney NSW 2000

Phone: 0282709889 **E-mail:** Lucy.Irwin@rpsgroup.com.au

Site Context Information

Land Form Pattern: Undulating Plain **Land Use:** Pastoral/Grazing

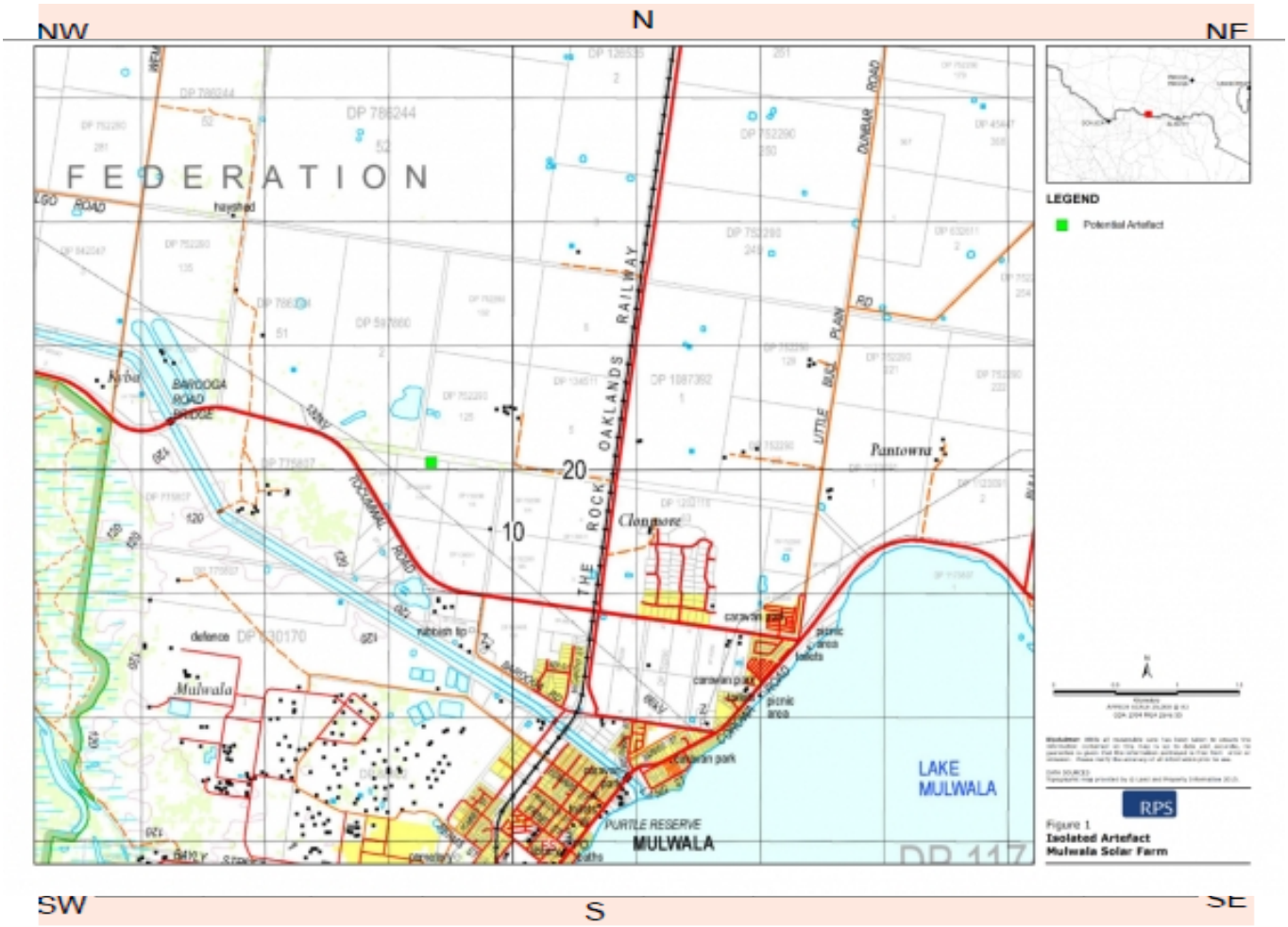
Land Form Unit: Dune **Vegetation:** Cleared

Distance to Water (m): 3200 **Primary Report:** Mulwala Solar Farm ACHAR

How to get to the site: Artefact is located on private property (Lot 116 DP752290). Travelling on Savernake Road take a left turn onto Lambruck Lane, the artefact is at the end of the road on a vehicle access track.

Other site information: Artefact is located in a sandy vehicle track running parallel to Lambruck Lane.

Site location map



Site contents information

open/closed site: Open

Site condition: Disturbed

Features:

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

Description:

Complete quartz flake, milky-white with orange and red inclusions, evidence of retouch. Artefact measures 140 millimetres by 250 millimetres.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
2.								

Description:

Features:

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

Description:

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
4.							

Description:

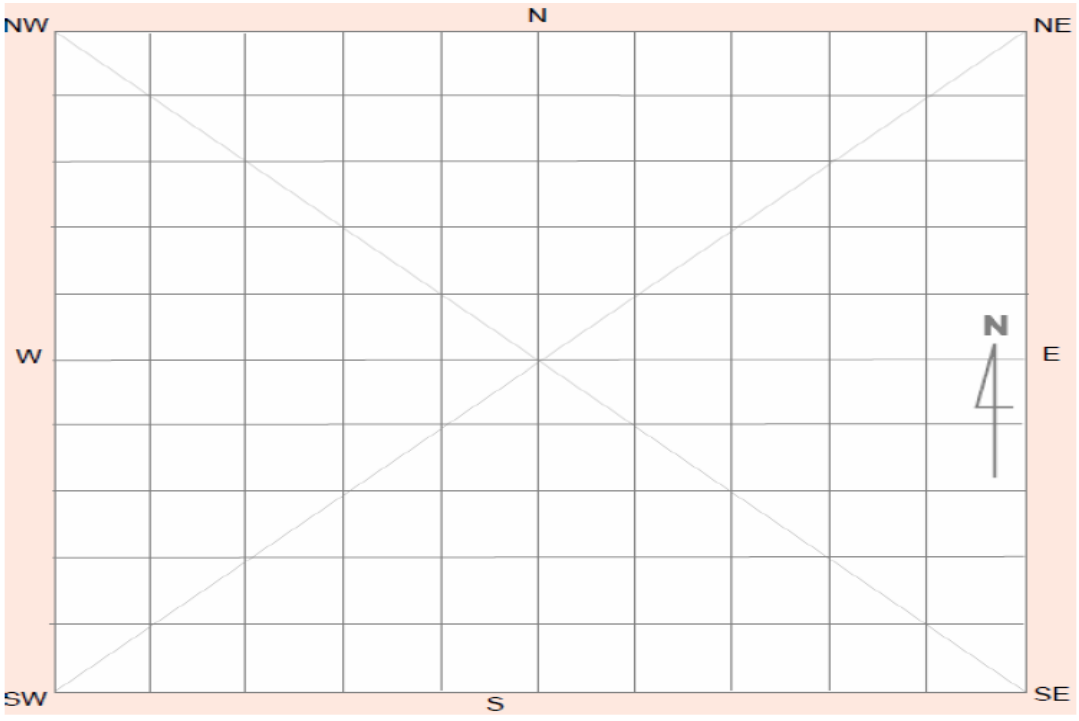
Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
5.							

Description:

Other Site Info: Artefact is located in a sandy vehicle track running parallel to Lambruck Lane.

Site plan



Site photographs



Description: Mulwala Isolated Artefact 1 A



Description: Mulwala Isolated Artefact 1 B



Description: Mulwala Isolated Artefact 1 Context

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender ☐ General ☐ Location ☐

Why is this site restricted?:

Further information contact

Title	Surname	First name

Organisation:

Address:

Phone: **E-mail:**

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID: 55-4-0260 **Date recorded:** 03-05-2018

Site Location Information

Site name: Mulwala Isolated Artefact 2

Easting: 409343 **Northing:** 6019777 **Coordinates must be in GDA (MGA)**

Horizontal Accuracy (m): 5

Zone: 55 **Location method:** Differential GPS

Recorder Information

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

Title	Surname	First name
Ms.	Irwin	Lucy

Organisation: RPS

Address: Level 13 255 Pitt Street, Sydney NSW 2000

Phone: 0282709889 **E-mail:** Lucy.Irwin@rpsgroup.com.au

Site Context Information

Land Form Pattern: Undulating Plain **Land Use:** Pastoral/Grazing

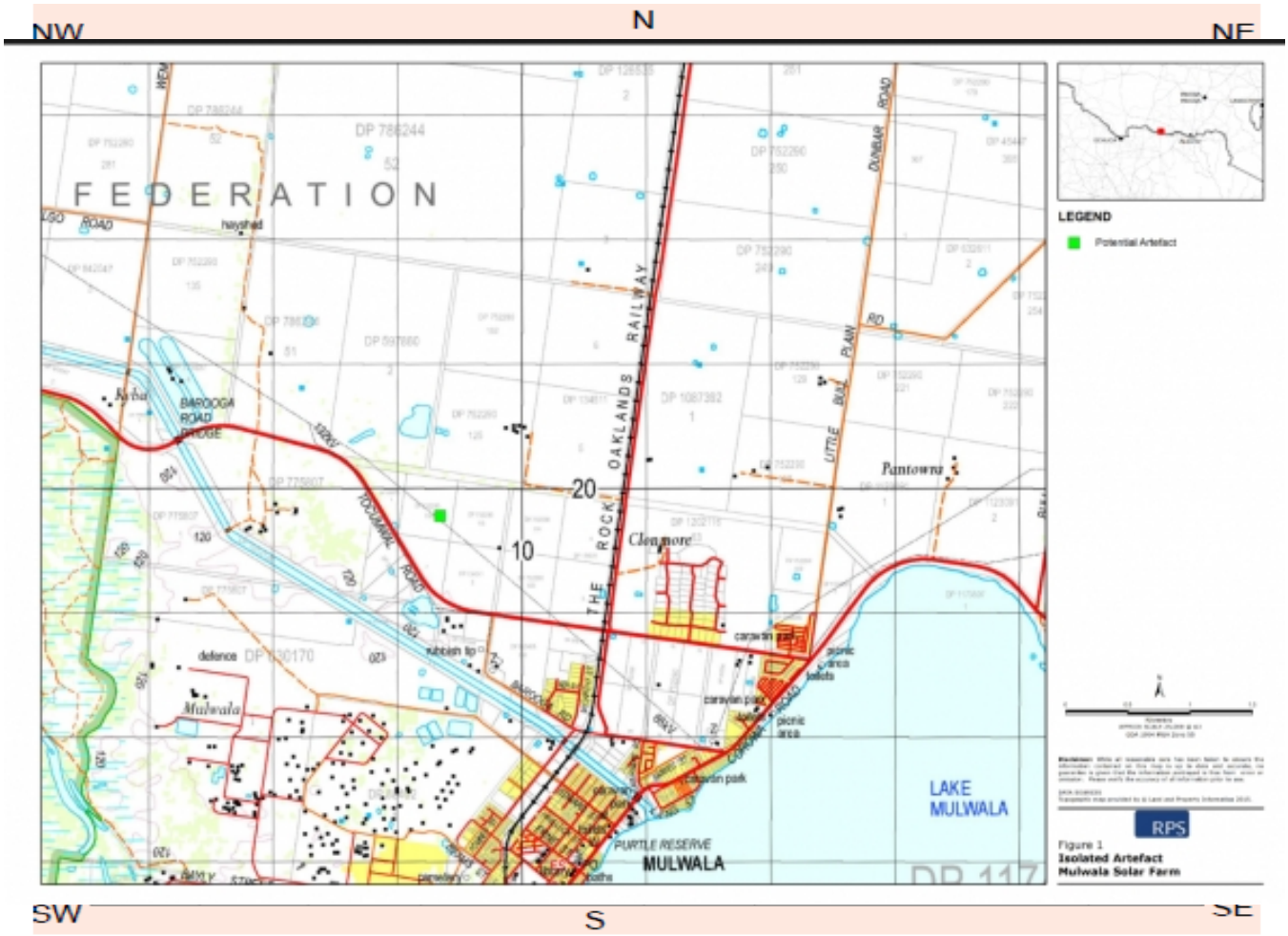
Land Form Unit: Plain **Vegetation:** Cleared

Distance to Water (m): 3300 **Primary Report:** Mulwala Solar Farm ACHCR

How to get to the site: The site is on private property. Take Savernake Road and turn left onto Lambruck Lane. The site is located adjacent to Lambruck Lane on Lot 116 DP752290.

Other site information: The artefact is located in a cleared livestock track within a sandy, exposed environment with short remnant vegetation surrounding the site.

Site location map



Site contents information

open/closed site: Open

Site condition: Disturbed

Features:

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

Description:

A silcrete flake, light grey to brown with negative flake scars on the dorsal side visible with an axial or hinge termination.
Measurements - length 350mm and 205mm wide.

Features:

		Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.								

Description:

Features:

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

Description:

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
4.							

Description:

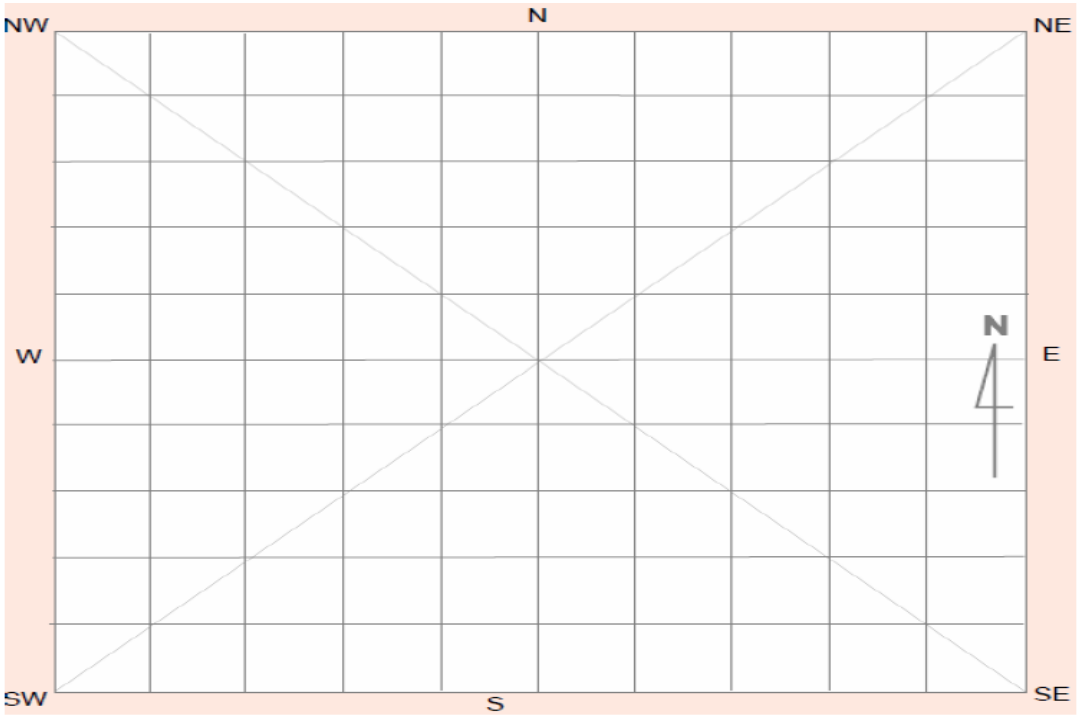
Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
5.							

Description:

Other Site Info: The artefact is located in a cleared livestock track within a sandy, exposed environment with short remnant vegetation surrounding the site.

Site plan



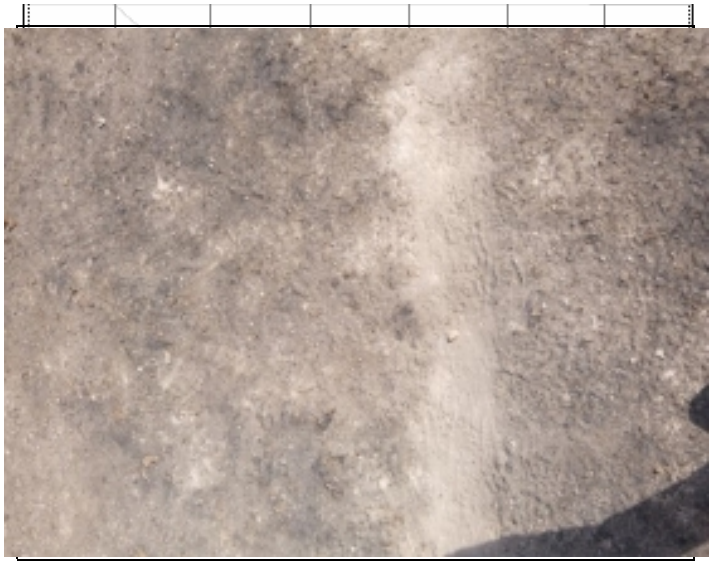
Site photographs



Description: Mulwala Isolated Artefact 2 a



Description: Mulwala Isolated Artefact 2 b



Description: Mulwala Isolated Artefact 2 context

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender General Location

Why is this site restricted?:

Further information contact

Title **Surname** **First name**

Organisation:

Address:

Phone: **E-mail:**

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID: 55-5-0140 **Date recorded:** 03-05-2018

Site Location Information

Site name: Mulwala Isolated Artefact 3

Easting: 410602 **Northing:** 6021096 **Coordinates must be in GDA (MGA)**

Horizontal Accuracy (m): 5

Zone: 55 **Location method:** Differential GPS

Recorder Information

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

Title	Surname	First name
Ms.	Irwin	Lucy

Organisation: RPS

Address: Level 13 255 Pitt Street, Sydney NSW 2000

Phone: 0282709889 **E-mail:** Lucy.Irwin@rpsgroup.com.au

Site Context Information

Land Form Pattern: Undulating Plain **Land Use:** Pastoral/Grazing

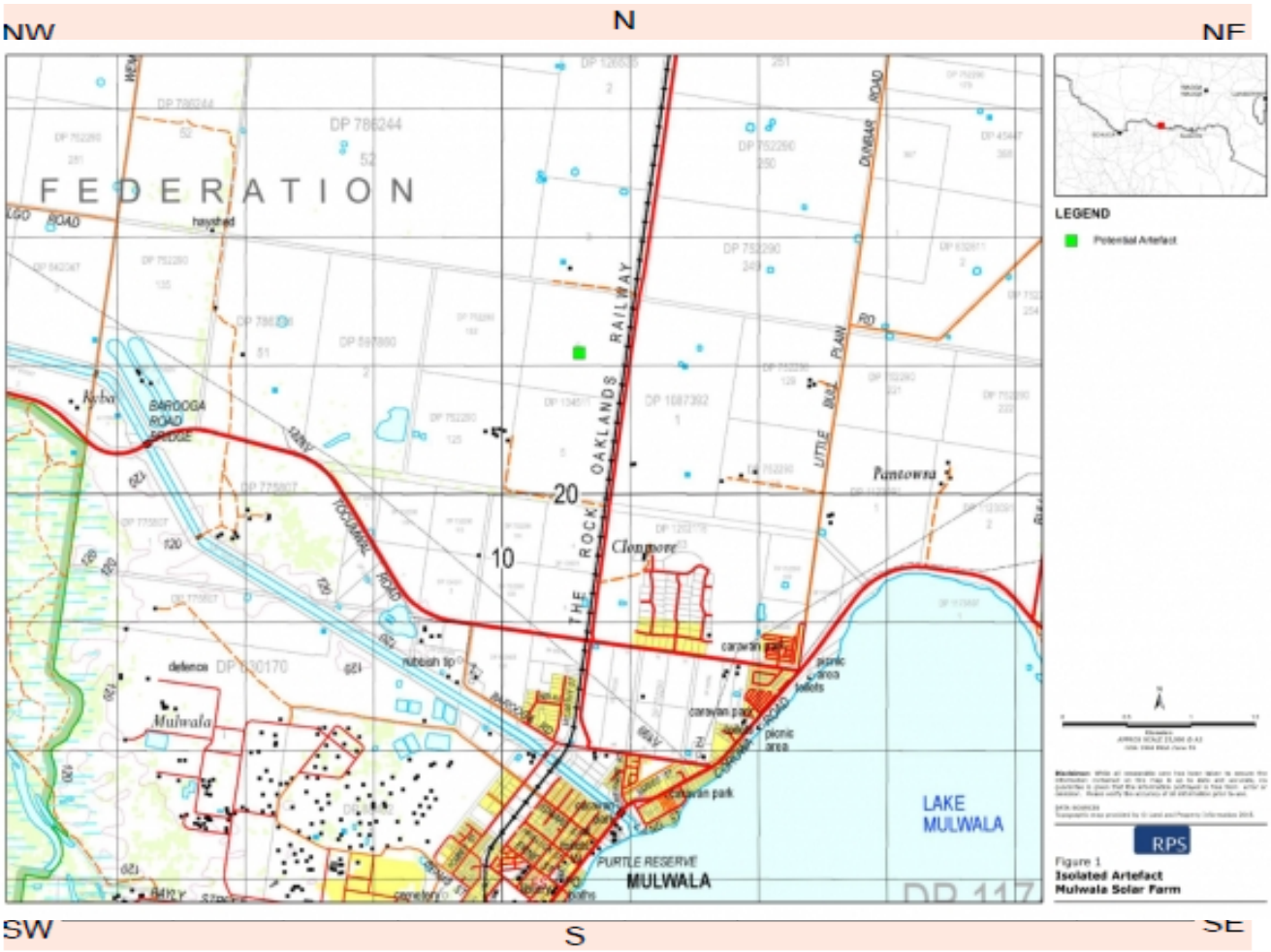
Land Form Unit: Plain **Vegetation:** Cleared

Distance to Water (m): 2900 **Primary Report:** Mulwala Solar Farm ACHAR

How to get to the site: The site is located on private property. Take Savernake Road and turn left on Lambruck Lane. The site is located north east of the residential dwellings on Lot 6 DP 134511.

Other site information: The artefact is located alongside the low-lying swamp within the property in an area of exposure. The site features short dense patches of vegetation and livestock tracks.

Site location map



Site contents information

open/closed site: Open

Site condition: Erosion

Features:

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

Description:

The isolated artefact is a quartz angular fragment that is milky white with yellow inclusions. Measurements are 210mm in length and 150mm wide.

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
2.							

Description:

Features:

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

Description:

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
4.							

Description:

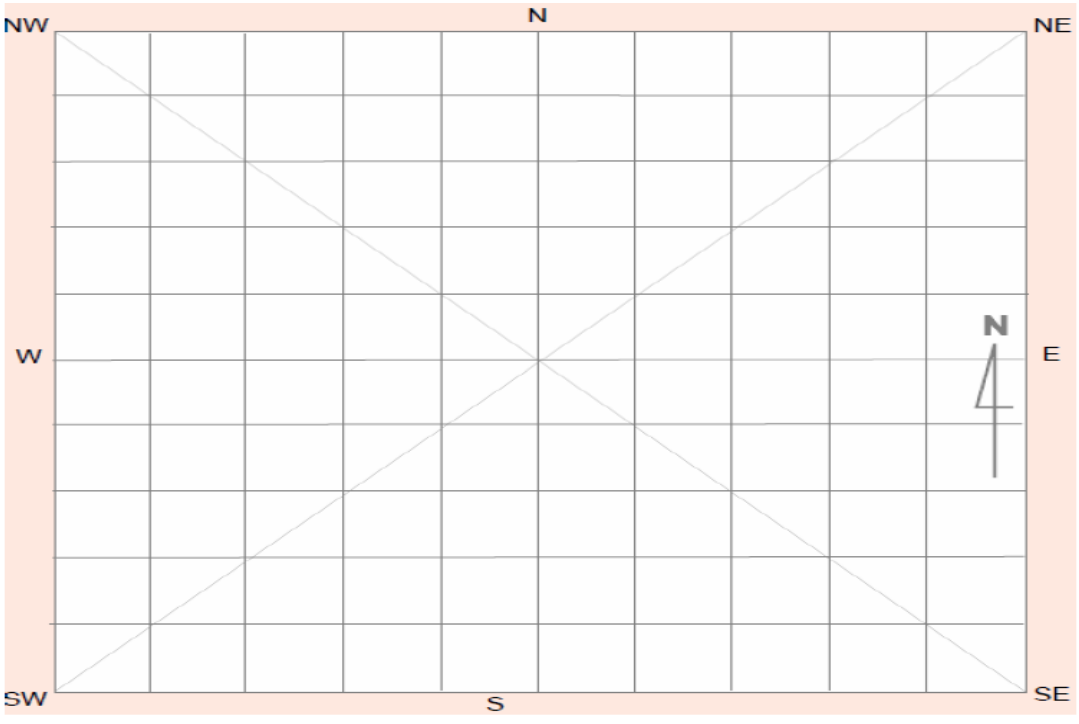
Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
5.							

Description:

Other Site Info: The artefact is located alongside the low-lying swamp within the property in an area of exposure. The site features short dense patches of vegetation and livestock tracks.

Site plan



Site photographs



Description: Mulwala Isolated Artefact 3 a



Description: Mulwala Isolated Artefact 3 site context



Description: Mulwala Isolated Artefact 3 b

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender ☐ General ☐ Location ☐

Why is this site restricted?:

Further information contact

Title	Surname	First name

Organisation:

Address:

Phone: **E-mail:**

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID: 55-5-0139 **Date recorded:** 03-05-2018

Site Location Information

Site name: Mulwala Isolated Artefact 4

Easting: 410605 **Northing:** 6021102 **Coordinates must be in GDA (MGA)**

Horizontal Accuracy (m): 5

Zone: 55 **Location method:** Differential GPS

Recorder Information

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

Title	Surname	First name
Ms.	Irwin	Lucy

Organisation: RPS

Address: Level 13 255 Pitt Street, Sydney NSW 2000

Phone: 0282709889 **E-mail:** Lucy.Irwin@rpsgroup.com.au

Site Context Information

Land Form Pattern: Undulating Plain **Land Use:** Pastoral/Grazing

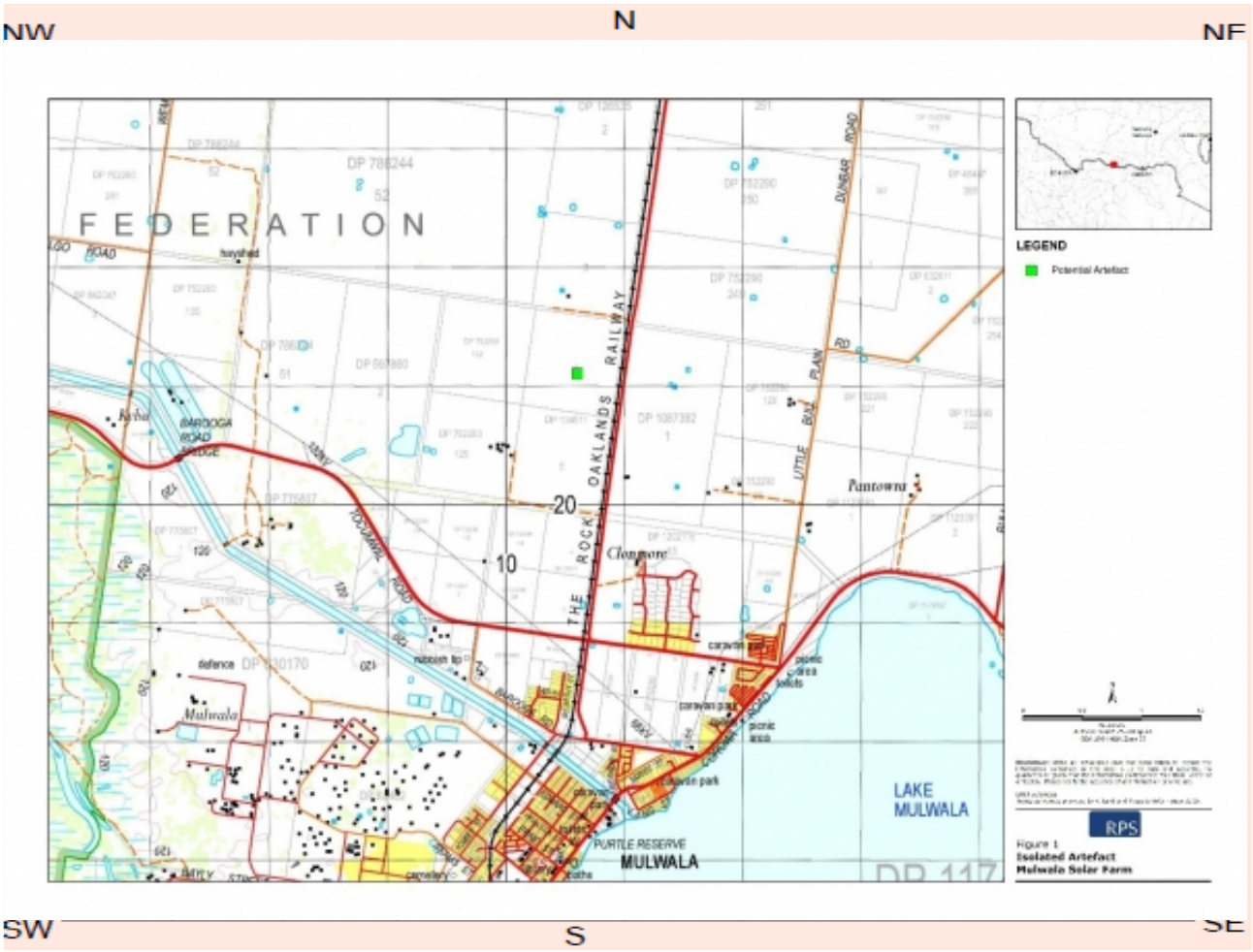
Land Form Unit: Plain **Vegetation:** Cleared

Distance to Water (m): 2900 **Primary Report:** Mulwala Solar Farm ACHAR

How to get to the site: The site is located on private property. Take Savernake Road and turn left on Lambruck Lane. The site is located north east of the residential dwellings on Lot 6 DP 134511.

Other site information: The artefact is located alongside the low-lying swamp within the property in an area of exposure. The site features thick vegetation with poor visibility throughout this portion of the site. There are vehicle and livestock tracks throughout.

Site location map



Site contents information

open/closed site: Open

Site condition: Erosion

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

Description:

The isolated artefact is a quartz angular fragment that is milky white with orange inclusions. Measurements are 110mm in length and 100mm wide.

Features:	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
2.							

Description:

Features:

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

Description:

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
4.							

Description:

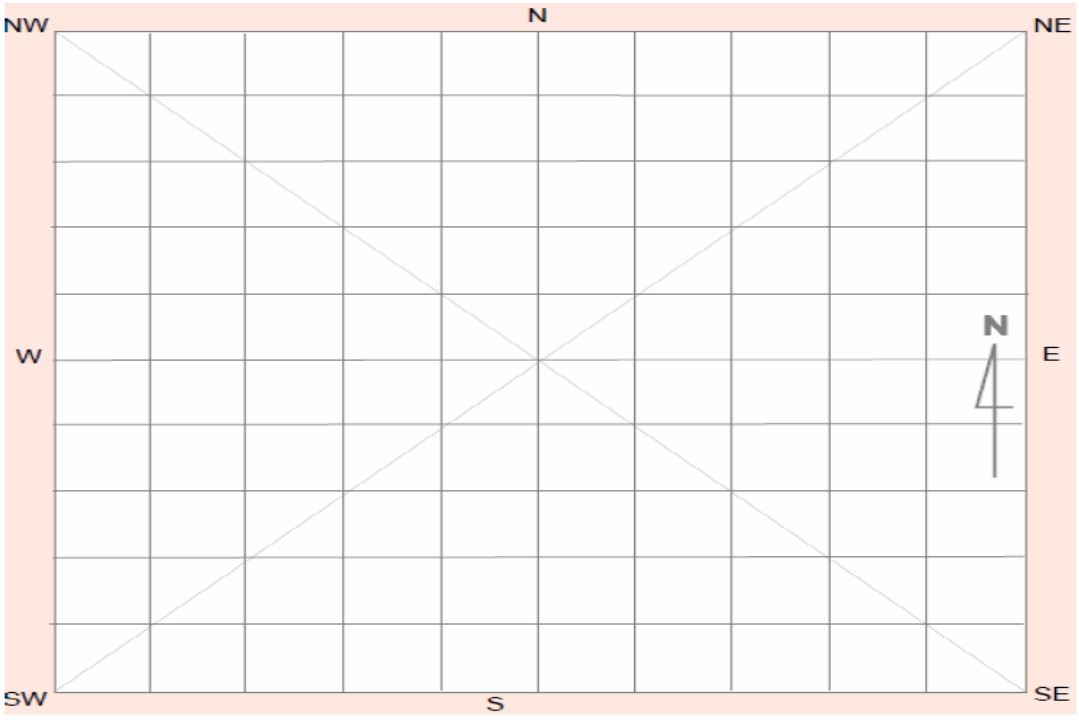
Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
5.							

Description:

Other Site Info: The artefact is located alongside the low-lying swamp within the property in an area of exposure. The site features thick vegetation with poor visibility throughout this portion of the site. There are vehicle and livestock tracks throughout.

Site plan



Site photographs



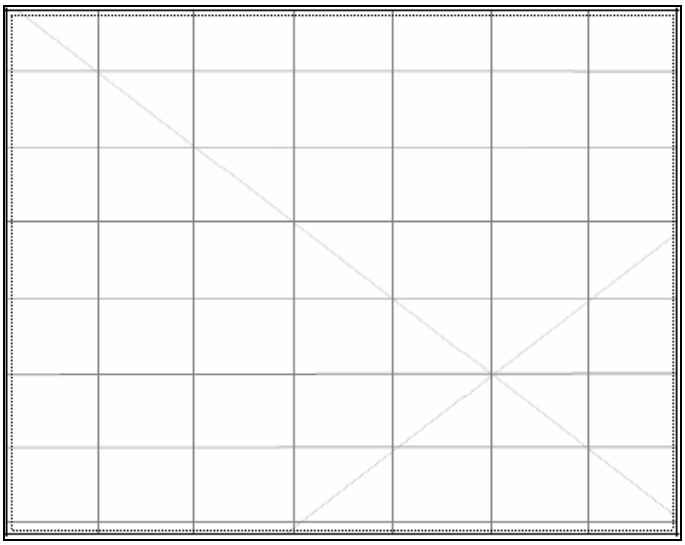
Description: Mulwala Isolated Artefact 4 a



Description: Mulwala Isolated Artefact 4 b



Description: Mulwala Isolated Artefact 4 site context



Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender ☐ General ☐ Location ☐

Why is this site restricted?:

Further information contact

Title	Surname	First name

Organisation:

Address:

Phone: **E-mail:**

Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville 2220 NSW

AHIMS site ID: 55-5-0138 **Date recorded:** 03-05-2018

Site Location Information

Site name: Mulwala Isolated Artefact 5

Easting: 410133 **Northing:** 6021098 **Coordinates must be in GDA (MGA)**

Horizontal Accuracy (m): 5

Zone: 55 **Location method:** Differential GPS

Recorder Information

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

Title	Surname	First name
Ms.	Irwin	Lucy

Organisation: RPS

Address: Level 13 255 Pitt Street, Sydney NSW 2000

Phone: 0282709889 **E-mail:** Lucy.Irwin@rpsgroup.com.au

Site Context Information

Land Form Pattern: Undulating Plain **Land Use:** Pastoral/Grazing

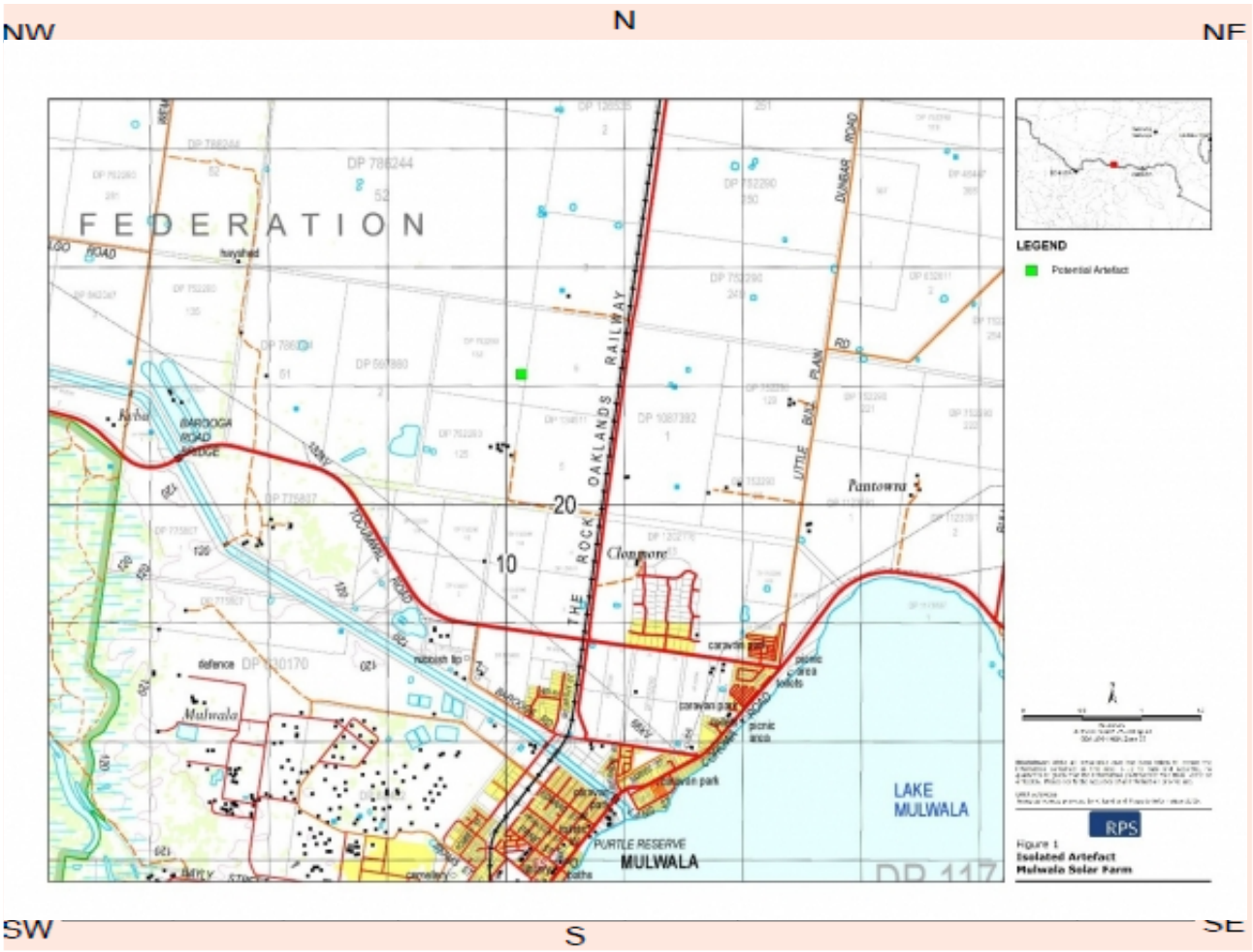
Land Form Unit: Plain **Vegetation:** Cleared

Distance to Water (m): 3500 **Primary Report:** Mulwala Solar Farm ACHAR

How to get to the site: This site is on private property. Take Savernake Road and turn left onto Lambruck Lane. The site is located within Lot 132 DP 752290.

Other site information: The artefact is exposed on the surface. The site has very poor visibility with thick grasses covering the site with few areas of visibility. There are vehicle and livestock tracks visible throughout the area.

Site location map



Site contents information

open/closed site: Open

Site condition: Erosion

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

Description:

The isolated artefact is a quartz angular fragment that is milky white with orange inclusions. The measurements are 260mm long and 210mm wide.

Features:	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Regrowth (cm)	Scar shape	Tree Species
2.							

Description:

Features:

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

Description:

Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
4.							

Description:

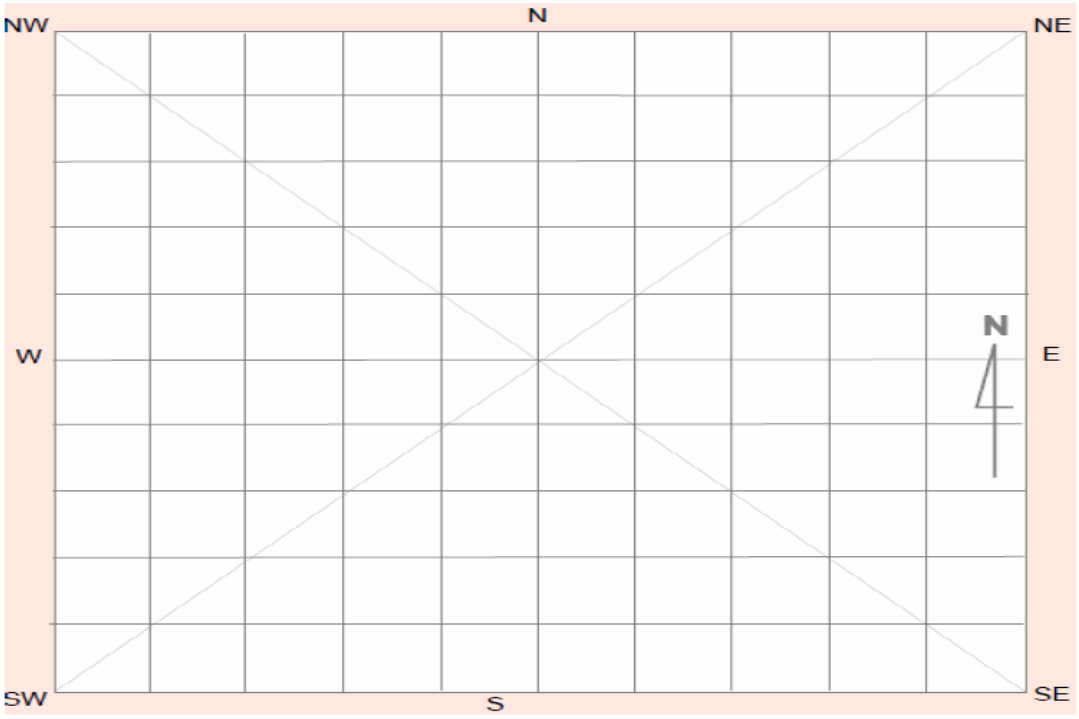
Features:

	Number of features	Length of feature(s) extent (m)	Width of feature (s) extent (m)	Scarred Trees: Scar Depth (cm)	Scarred Trees: Regrowth (cm)	Scarred Trees: Scar shape	Scarred Trees: Tree Species
5.							

Description:

Other Site Info: The artefact is exposed on the surface. The site has very poor visibility with thick grasses covering the site with few areas of visibility. There are vehicle and livestock tracks visible throughout the area.

Site plan



Site photographs



Description: Mulwala Isolated Artefact 5 a



Description: Mulwala Isolated Artefact 5 b



Description: Mulwala Isolated Artefact 5 context

Description:

Site restrictions

Do you want to Restrict this site?:

Restriction type: Gender ☐ General ☐ Location ☐

Why is this site restricted?:

Further information contact

Title **Surname** **First name**

Organisation:

Address:

Phone: **E-mail:**

Appendix E

Bundyi Cultural Services Report

Bundyi Cultural Services

Mark Saddler

Mulwala Solar Farm, Lambruk NSW.

19/04/2018

Bundyi Cultural Services, Mark Saddler

03/05/2018



Artwork by Mark Saddler. (Copyright)

Artwork Title, Murrawarra (stand your ground, protect)

Contents:

This report was compiled by Bundyi Cultural Services, Mark Saddler.

Page 1: Title Page.
Page 2: Contents, Acknowledgement.
Page 3: Travelling Stock Reserves (TSRs)
Page 4: Objectives, Objects.
Page 5: Due Diligence.
Page 6: Due Diligence Flow Chart.
Page 7: AHIMS Data Base Search.
Page 8: Site Location Maps.
Page 9: Site Recordings, Site Information.
Page 10: Contacts,
Page 11: Site Report and Recommendations.
Page 12: References and End Report

"I would like to acknowledge the traditional custodians of this land, my land, "The Wiradjuri People"

What I record and find is dedicated to those who have gone before us, to those present and to those who will follow us"

Mark Saddler, Wiradjuri Gibirr (man)

Travelling Stock Reserves (TSRs)

Travelling Stock Reserves (TSRs) are parcels of Crown land reserved under legislation for use by travelling stock. Local Land Services is responsible for the care, control and maintenance of almost 500,000ha of TSRs in NSW.

TSRs provide pasture reserves for travelling or grazing stock. These reserves can be beneficial in times of drought, bushfire or flood. They are also used for public recreation, apiary sites and for conservation.

Local Land Services manages the land to strike a balance between the needs of travelling or grazing stock and the conservation of native species.

The role of Local Land Services role in managing TSRs includes:

- Authorising and monitoring stock, recreation and apiary site use
- Controlling noxious weeds
- Controlling pest animals and insects
- Provision and maintenance of fencing, watering points and holding yards
- Consideration of land management and animal health legislation.

Local Land Services has developed the first draft state-wide planning framework for TSRs to support the future management of this land. We are now keen to hear from the public with their opinions on how to manage TSRs in the future. We want to understand the values people hold important for TSRs, including biodiversity and Aboriginal cultural heritage values.

The draft state-wide framework allows for the development of TSR regional management plans to facilitate more consistent and transparent management, resourcing and reporting.

NSW Travelling Stock Reserves Draft State Planning Framework 2016-19
TSR State Planning Framework Fact Sheet
Frequently asked questions

Aboriginal objects:

Aboriginal objects are physical evidence of the use of an area by Aboriginal people. They can also be referred to as 'Aboriginal sites', 'relics' or 'cultural material'.

Aboriginal objects include:

* Physical objects, such as stone tools, Aboriginal-built fences and stockyards, scarred trees and the remains of fringe camps
* Material deposited on the land, such as middens
* The ancestral remains of Aboriginal people.

Handicrafts made by Aboriginal people for sale are **not** 'Aboriginal objects' under the NPW Act. Known Aboriginal objects and sites are recorded on OEH's Aboriginal Heritage Information Management System (AHIMS). If you find a site you should report it to us.

Protecting Aboriginal objects and places:

You will need to exercise due diligence in determining whether your actions will harm Aboriginal objects. The **Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW** http://www.environment.nsw.gov.au/resources/cultureheritage/ddcop/10798ddcop.pdf This link will explain and provide practical guidance about what due diligence means. Anyone who exercises due diligence in determining that their actions will not harm Aboriginal objects has a defence against prosecution for the strict liability objects offence if they later harm an Aboriginal object.

An Aboriginal Heritage Impact Permit (AHIP) can be issued by OEH under Part 6 of the NPW Act where harm to an Aboriginal object or Aboriginal place cannot be avoided. An AHIP is a defence to a prosecution for harming Aboriginal objects and/or Aboriginal places if the harm was authorised by the AHIP and the conditions of that AHIP were not contravened.

Find out about AHIPs, due diligence and care agreements see **Information on Aboriginal Heritage Impact Permits.** http://www.environment.nsw.gov.au/licences/Section87Section90.htm

Purpose of code of practice for Due Diligence.

This code of practice is to assist individuals and organisations to exercise due diligence when carrying out activities that may harm Aboriginal objects and to determine whether they should apply for consent in the form of an Aboriginal Heritage Impact Permit (AHIP). The National Parks and Wildlife Act 1974 (NPW Act) provides that a person who exercises due diligence in determining that their actions will not harm Aboriginal objects has a defence against prosecution for the strict liability offence if they later unknowingly harm an object without an AHIP.

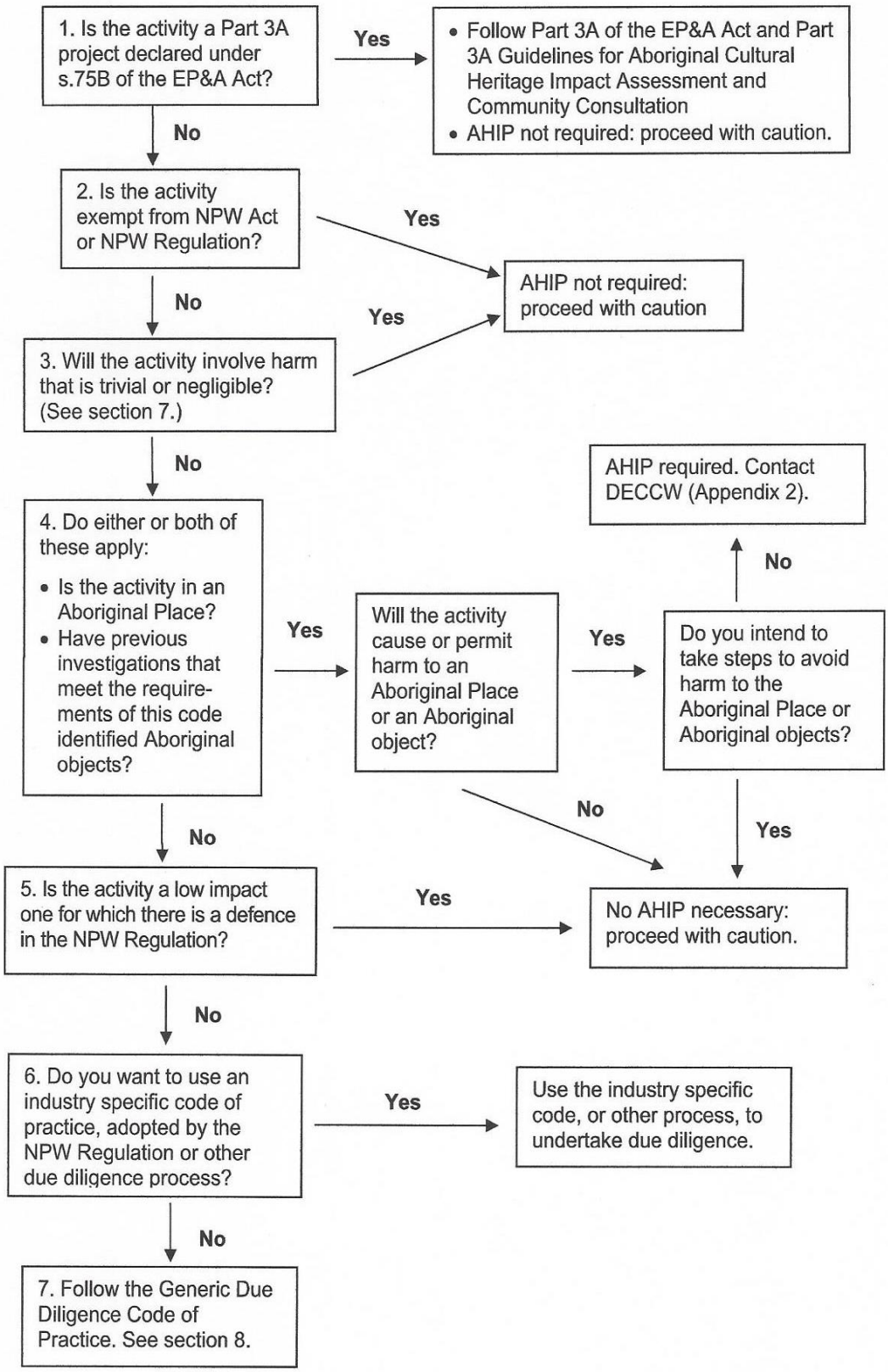
The NPW Act allows for a generic code of practice to explain what due diligence means. Carefully following this code of practice, which is adopted by the National Parks and Wildlife Regulation 2009 (NPW Regulation) made under the NPW Act, would be regarded as 'due diligence'. This code of practice can be used for all activities across all environments.

This code sets out the reasonable and practicable steps which individuals and organisations need to take in order to: 1 identify whether or not Aboriginal objects are, or are likely to be, present in an area 2 determine whether or not their activities are likely to harm Aboriginal objects (if present) 3 determine whether an AHIP application is required.

If Aboriginal objects are present or likely to be present and an activity will harm those objects, then an AHIP application will be required. Information about the permits and how to apply for them can be obtained through the Department of Environment, Climate Change and Water (DECCW) website at

www.environment.nsw.gov.au/licences/index.htm.

1 Do you need to use this due diligence code?



AHIMS Data Base Search.

Office of Environment & Heritage

AHIMS Web Services (AWS)
Search Result

Purchase Order/Reference : 3.5.18.1

Client Service ID : 342701

Mark Saddler

Date: 03 May 2018

P.O.Box 8005 Kooringal Post Office
Kooringal New South Wales 2650

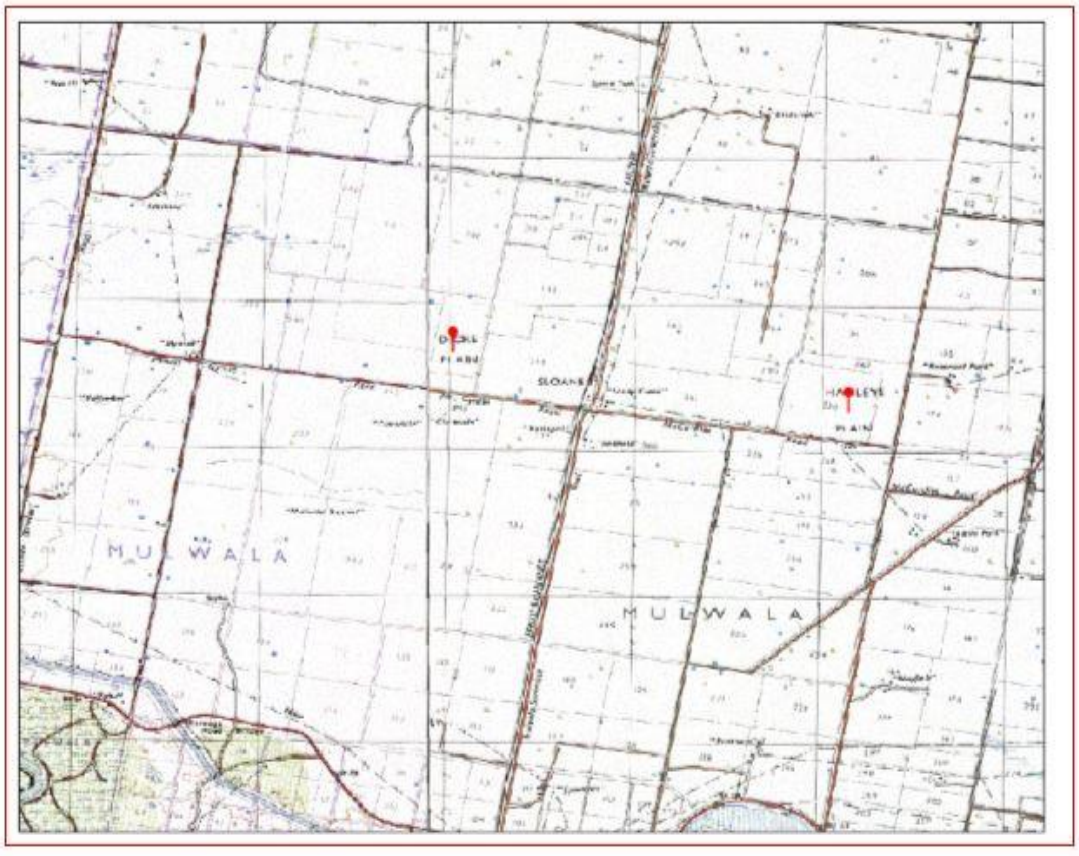
Attention: Mark Saddler

Email: marksad@live.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 55, Eastings : 410000 - 412000, Northings : 6020000 - 6029000 with a Buffer of 1000 meters. Additional Info : Cultural survey work, conducted by Mark Saddler on 03 May 2018.

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 the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

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

Map and reference location to site:





Site recordings and location of site cards relevant to this site:

Site name	Mulwala Solar Farm, Lambruk, Muwala NSW.		
Recorder	Mark Saddler		
Contact details	Ph 0412 693 030	Email:	marksad@live.com.au
Date prepared	03/05/2018	Web:	http://www.bundyiculture.com.au/

AHIMS ID (Site Card ID)	Site Type	Location of Site Cards on Web Page.	Date Recorded
55-4-0257	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-4-0258	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-4-0259	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0132	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0133	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0134	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0135	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0136	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018
55-5-0137	Item	http://www.environment.nsw.gov.au/awssapp/login.aspx	19/04/2018

Contacts

Stakeholder details	Responsibilities	
Bundyi Cultural Services, Mark Saddler	Culture Advisor, Recorder, Knowledge Holder	0412 693 030
Uncle Neville Atkinson	Local Elder	0400 518 804
Laura Cross RPS	Reporting/Environment	03-94179736

To find out more about Cultural Site Management, rules and protection go to this these web page links for more in depth information.

Do you need to use the due diligence code?

http://www.environment.nsw.gov.au/resources/cultureheritage/ddcop/10798ddcop.pdf

OEH **legislation** which ensures that Aboriginal cultural heritage must be considered as part of land management practices.

http://www.environment.nsw.gov.au/conservation/aboriginalculture.htm

Site Report and Recommendations.

03/05/2018

Mulwala Solar Farm, Lambruk, Mulwala NSW.

On my site inspection on the 19/04/2018, I inspected a large property known as Lambruk near Muwala, NSW. The place instantly felt welcoming and with the feeling that many people have visited and lived at this inviting area. This area I believe was inhabited by Wiradjuri/Bangerang people and was a place where some camped and lived over a long period of time.

In this area, I noticed many species of bird including Grass Parrots, Willy Wag Tail, Eagles, Rainbow Lorikeet, Galah, Cockatoo and White Winged Chough to name a few.

Also, a section farm has many old wetlands that contain Aboriginal bush tucker, such as Nardoo. These areas need to be protected.

The area also has good regrowth of salt bush, some native plants and young tree suckers.

This area has been heavily impacted by cattle and machinery. Some Aboriginal sites have been damaged and driven over, this needs to stop, and actions taken to stop this from happening again.

I would insist that all Aboriginal Sites are treated with respect and that any work in this area take into consideration any impact on these very important sites. I would also ask that cattle and horse are to be excluded from any scar trees in this area and that protective fencing be erected around any scar trees.

I would also ask for the planting of native trees that would enhance the area for both people and bird life. Some Bull Oak trees would also add to the area and may assist in the habitat for Glossy Black Cockatoo.

Any Aboriginal items that have been recorded and that need to be moved should be done so in the presence of an Elder or community member, also any items that can not be moved (scar trees, etc) should have exclusions zones placed around them and all workers be given some cultural awareness training or education, also to be done by local Elders or community members.

Any items that must be moved will be returned and placed back into country by local Elders. Also, whilst the solar farm is under construction I would ask that local Aboriginal people be employed to assist in the work and to also look out, care for and record any other items that may surface due to construction work. I would ask that 10% of workers on site would be Aboriginal people with preference given to local mob.

I would be happy to assist as the plans are draw for the solar farm in the future with regards to Aboriginal site protection.

Procedures to work around Aboriginal sites can be found at this link,

http://www.aboriginalheritage.org/sites/legislation/

References:

OEH, http://www.environment.nsw.gov.au/

Local Land Services, http://www.lls.nsw.gov.au/livestock/stock-routes

Mark Saddler, Cultural Advisor and Knowledge holder, www.bundyiculture.com.au

Goggle Earth Maps, https://www.google.com/earth/

Aboriginal Heritage, http://www.aboriginalheritage.org/sites/legislation/

Prepared by:

Mark Saddler, Bundyi Cultural Services

P.O.B 8005 Kooringal Post Office NSW 2650

Ph: 0412 693 030

Email: marksad@live.com.au

Web: www.bundyiculture.com.au

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