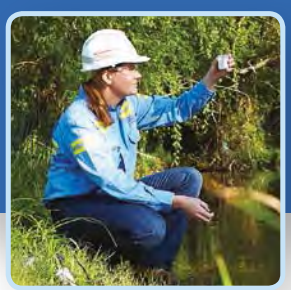
BENGALLA Mining Company

Bengalla Mine

August 2017

Aboriginal Cultural Heritage Management Plan



Hansen Bailey
ENVIRONMENTAL CONSULTANTS

BENGALLA

Bengalla Mining Company Pty Limited

Aboriginal Cultural Heritage Management Plan

Revision	Date Submitted	Date Approved	Description	Author	Reviewer	Approved
1	12 March 2015	-	Draft for Consultation	Geordie Oakes (AECOM)	Jason Martin (Hansen Bailey)	Craig White (BMC)
2	24 April 2015	-	Update for submission to OEH	Geordie Oakes (AECOM)	Jason Martin (Hansen Bailey)	Craig White (BMC)
3	13 May 2015	-	Update for submission to DP&E	Geordie Oakes (AECOM)	Jason Martin (Hansen Bailey)	Craig White (BMC)
4	25 May 2015	-	Update following DP&E review	Geordie Oakes (AECOM)	Jason Martin (Hansen Bailey)	Craig White (BMC)
5	24 May 2016	-	Update for SSD-5170 (Mod 1)	Jason Martin (Hansen Bailey)	Dianne Munro (Hansen Bailey)	Craig White (BMC)
6	19 July 2016	-	Update for SSD-5170 (Mod 2)	N Dobbins (Hansen Bailey)	D Munro (Hansen Bailey)	C White (BMC)
7	9 May 2017	18 August 2017	Update for SSD-5170 (as modified) MOD 3	N Dobbins Hansen Bailey	D Munro Hansen Bailey	C White BMC

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1 INTRODUCTION

This section provides a background and history of operations at Bengalla Mine, objectives of this plan, regulatory requirements and document structure.

1.1 Background

Bengalla Mining Company Pty Limited (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, New South Wales (NSW). Bengalla is generally bound by Wybong Road to the north, Overton Road to the east, the Muswellbrook-Ulan Rail Line to the south and Roxburgh Ridge to the west (see **Figure 1**).

BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla. SSD-5170 enables BMC to continue open cut coal mining of up to 15 Million tonnes per annum (Mtpa) of run of mine (ROM) coal until 2039.

This Aboriginal Cultural Heritage Management Plan (ACHMP) has been developed in accordance with the requirements of SSD-5170 (as modified) Schedule 3, Condition 31 to provide a framework for the management of Aboriginal heritage objects and values across BMC owned land within the Project Boundary.

1.2 History of Operations

1.2.1 Introduction

BMC was originally granted Development Application (DA) 211/93 in 1996, to construct and operate an open cut coal mine and associated activities in accordance with the supporting document '*Bengalla Mine Environmental Impact Statement'* (Bengalla EIS). Mining operations at Bengalla commenced in 1998.

1.2.2 SSD-5170

In September 2013, BMC sought a new development consent under Division 4.1 of Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) to enable continued mining operations at Bengalla.

The application for development consent was supported by the '*Continuation of Bengalla Mine Environmental Impact Statement'* (Bengalla EIS) (Hansen Bailey, 2013) and as modified by the 'Continuation of Bengalla Mine Response to Submissions' (Bengalla RTS) (Hansen Bailey, 2014).

On 3 March 2015, the Secretary of DP&E (as delegate) for the Minister for Planning granted development consent SSD-5170 which permits the following activities at Bengalla:

- Open cut mining towards the west at a rate of up to 15 Mtpa ROM coal until 2039;
- Continued use of the existing dragline, truck fleet and excavators;
- An out of pit Overburden Emplacement Area (OEA) to the west of Dry Creek which may be utilised for excess spoil material until it is intercepted by mining;
- Various upgrades, relocations or additional new infrastructure to support the Project;
- Processing, handling and transportation of coal via the (upgraded) Coal Handling and Preparation Plant (CHPP) and rail loop for export and domestic sale;
- Continued rejects and tailings co-disposal in the Main OEA and temporary in pit reject emplacement;
- Relocation of a 6 km section of Bengalla Link Road at approximately Year 15 near the existing mine access road to facilitate coal extraction;
- The diversion of Dry Creek via dams and pipe work with a later permanent alignment of Dry Creek through rehabilitation areas when emplacement areas are suitably advanced;
- Relocation of water storage infrastructure as mining progresses through existing dams (including the Staged Discharge Dam and raw water dam); and
- A workforce of approximately 900 full time equivalent personnel (plus contractors) at peak production.

1.2.3 SSD-5170 Modification 1

SSD-5170 was modified on 16 December 2015 (MOD1) by the Executive Director – Resource Assessments and Compliance for the DP&E as delegate of the Minister for Planning for the activities described in the '*Bengalla Mine Development Consent Modification Statement of Environmental Effects*' (Hansen Bailey, 2015a) (MOD1 SEE) including the '*Bengalla Mine Development Consent Modification Response to Submissions'* (Hansen Bailey, 2015b).

MOD1 provides approval for the following:

- Alterations to various water management infrastructure components:
- Additional locations for the siting of the Explosives Storage Facility; and
- The placement of fill from the excavation of CW1 adjacent to it.

1.2.4 SSD-5170 Modification 2

SSD-5170 was modified on 1 July 2016 by the Director – Resource Assessments for the DP&E (as delegate of the Minister for Planning) for the activities largely described in the 'Bengalla Mine Development Consent Modification 2 Statement of Environmental Effects' (Hansen Bailey, 2016) (MOD 2 SEE). The MOD 2 SEE provides approval for the following:

- Alterations to the approved height of the Main OEA to improve visual amenity from primary viewing locations in and surrounding the township of Muswellbrook and Denman Road, in two selected locations (Visual Relief Areas):
  - The Northern Relief Area constructed to a maximum height of Reduced Level (RL) 300; and
  - The Southern Relief Area constructed to a maximum height of RL 290.
- Establishment of a new gravel access road from Wybong Road to the Dry Creek Diversion Project Construction Site Office being a former homestead (Homestead Access).

No additional conditions pertaining to aboriginal cultural heritage were included in SSD-5170 as a result of the MOD 2 SEE.

1.2.5 SSD-5170 – Modification 3

SSD-5170 was modified on 23 December 2016 (MOD 3) by the Director – Resource Assessments for the DP&E as delegate of the Minister for Planning for the activities largely described in the 'Bengalla Mine Development Consent Modification 3 Statement of Environmental Effects' (Hansen Bailey, 2016) (MOD 3 SEE).

The MOD 3 SEE provides approval for the repositioning of the following approved activities:

- The construction and operation of an explosives facility and reload facility, which may be relocated to another location(s) within the Approved Disturbance Boundary at a later time;
- The alignment of the Hunter River pipeline; and
- The emplacement and use of temporary topsoil stockpiles during the mining process.

No additional mitigation and management measures to that within SSD-5170 (as modified) are required to manage any potential impacts to Aboriginal cultural heritage resulting from MOD 3. As such, no additional conditions pertaining to Aboriginal heritage were included in SSD-5170 (as modified) as a result of the MOD 3 SEE.

This revision to the ACHMP has largely been undertaken to update the document for extant sites following the completion of salvage works completed as described in **Section 6**.

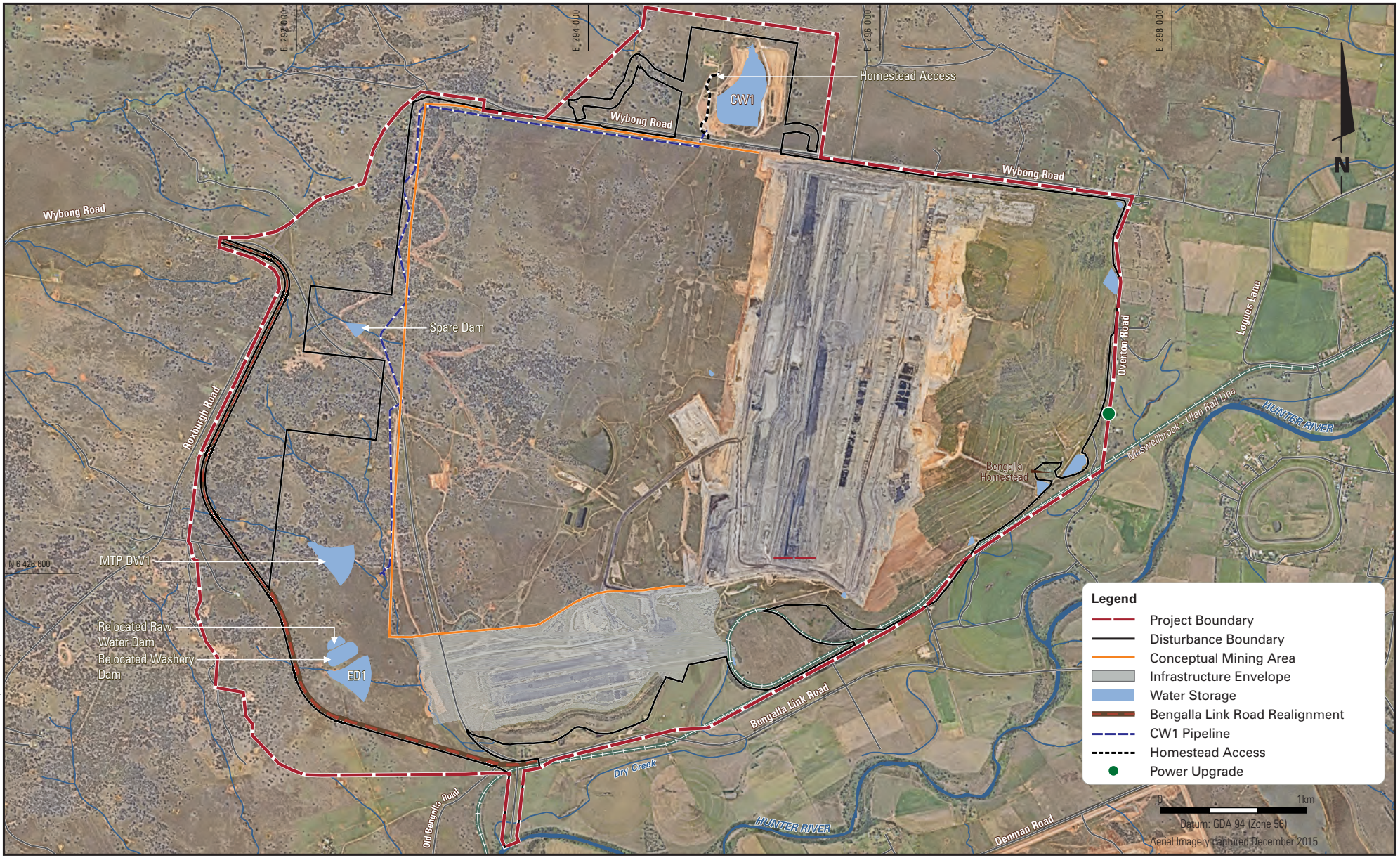
The development layout is presented in **Figure 2**.

HB BENGALLA ANNUAL REVIEW Hb1669 F1 Regional Locality 04 03 2017

BENGALLA MINE

Regional Locality

FIGURE 1



HB BENGALLA MOD 3 1639 F2 Development Layout 22 11 2016

BENGALLA MINE

Conceptual Development Layout

FIGURE 2

1.3 Objectives

This ACHMP sets out the procedures for the care and salvage of Aboriginal objects within the Project Boundary. This ACHMP and has been developed in accordance with the requirements of SSD-5170 (as modified) Schedule 3, Condition 31 and the commitments in relation to Aboriginal heritage in its supporting document including the '*Aboriginal Archaeological and Cultural Heritage Impact Assessment*' (AACHIA) (AECOM Australia Pty Ltd, 2013).

The AACHIA management recommendations, EIS Statement of Commitments and SSD-5170 (as modified) Schedule 3, Condition 31 are provided in **Table 1** and addressed within this ACHMP. This ACHMP has been updated to incorporate changes arising from the Bengalla Modification 1 SEE.

Table 1
ACHMP Requirements and Where Addressed

Ref	Recommendation/Commitment/Condition	Section
Development Consent Conditions		
31	The Applicant must prepare and implement an Aboriginal Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:	This ACHMP
	a) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;	**Section 4**, **Appendix B** and **Appendix C**
	b) include a program/procedures for: • salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area	**Section 6**
	• assessment and removal of scarred trees	**Section 6.3**
	• protection and monitoring of Aboriginal sites outside the project disturbance area	**Section 5**
	• managing the discovery of any new Aboriginal objects or skeletal remains during the development	**Section 7**
	• maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders	**Section 5.4**
	• ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site	**Section 4.1.2**
	• The Applicant shall implement the approved management plan as approved from time to time by the Secretary.	This ACHMP
AACHIA Management Recommendations		
14.2	Ensure the protection of non-impacted Aboriginal sites	**Section 5**
14.2	Maintain an Aboriginal sites database for all extant sites	**Section 5.1**
14.2	Conduct the surface collection of all 260 open artefact sites with the Project Disturbance Boundary	**Section 6**

Ref	Recommendation/Commitment/Condition	Section
14.2	Archaeological test excavation and salvage	**Section 6.2**
14.2	Scarred tree assessment and removal	**Section 6.3**
14.2	Management of previously unrecorded Aboriginal objects	**Section 7**
14.2	Aboriginal heritage awareness training	**Section 9**

1.4 Environmental Management

Operations at Bengalla are conducted in accordance with Bengalla SSD-5170 (as modified), Environment Protection Licence (EPL) 6538 and environmental management plans to ensure BMC manages its environmental issues, ensure compliance with regulatory requirements and satisfy the expectations of stakeholders.

This ACHMP (and subsequent revisions) will form part of this management regime. BMC will continue to operate during and following mine closure to ensure all environmental (including monitoring and management) and social responsibilities are met.

1.5 Document Structure

This document is structured as follows:

- **Section 2** outlines the existing environment relevant to Aboriginal cultural heritage at Bengalla;
- **Section 3** provides the legislative framework for the management of Aboriginal heritage items;
- **Section 4** provides a summary of the stakeholder engagement undertaken in the development of this ACHMP;
- **Section 5** details the management of Aboriginal objects not predicted to be impacted by construction or operational activities at Bengalla;
- **Section 6** details the archaeological salvage program for Bengalla;
- **Section 7** outlines the procedures which are to be implemented in the event of the discovery of an unrecorded Aboriginal object;
- **Section 8** outlines the processes which are to be implemented in the event of a non-compliance or complaint;
- **Section 9** provides a summary of the reporting, review and training requirements;
- **Section 10** confirms the responsibilities of personnel for all actions as identified in this ACHMP; and
- **Section 11** and **12** provide a list of abbreviations and references, respectively.

2 EXISTING ENVIRONMENT

This section describes the existing environment relevant to this ACHMP and describes Aboriginal archaeology and cultural heritage sites relevant to Bengalla.

2.1 Bengalla Mine Aboriginal Heritage Values

2.1.1 Aboriginal Archaeological Sites

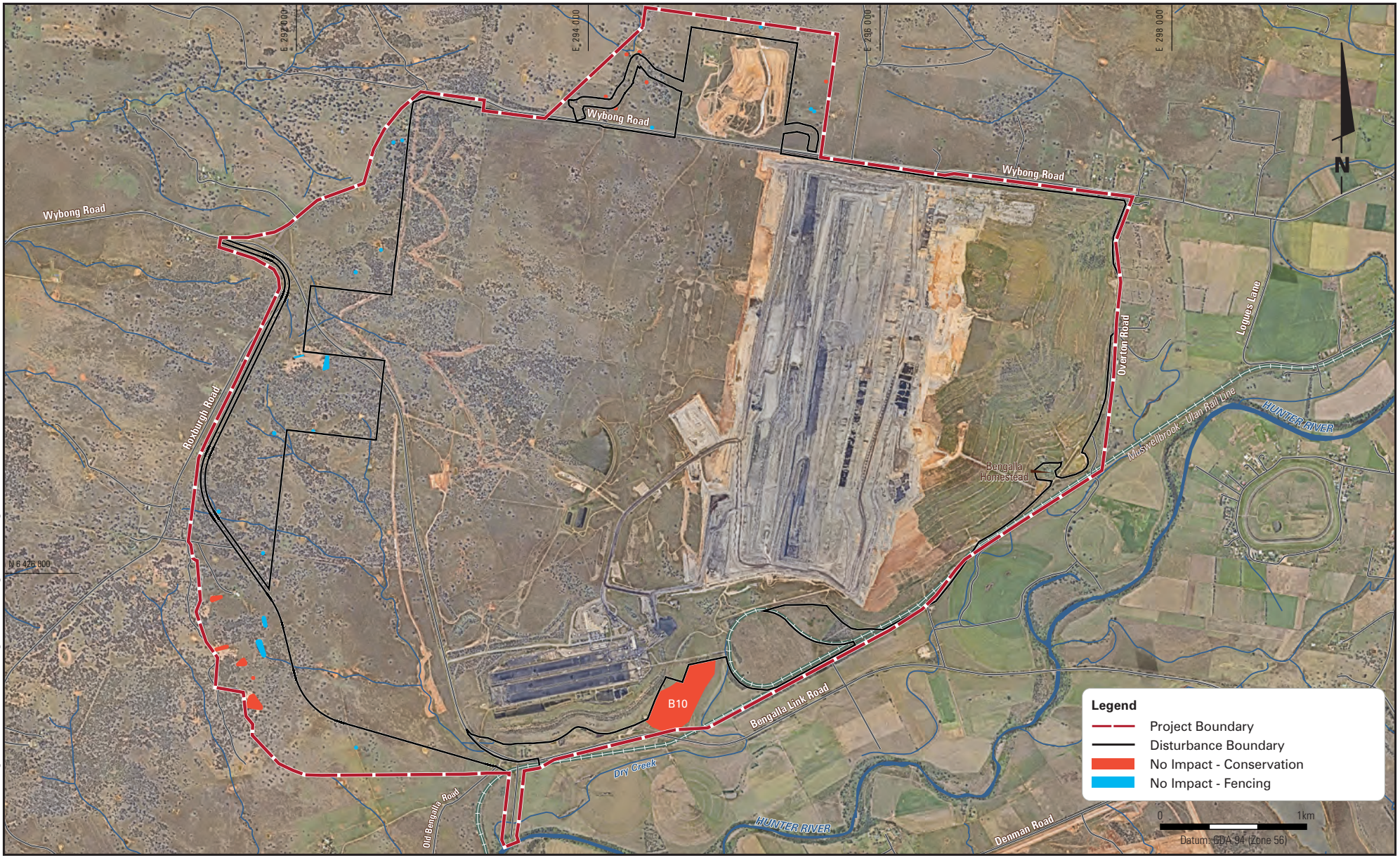
As part of the EIS, a total of 289 registered Aboriginal archaeological sites comprising 285 open artefact sites (artefact scatters and isolated artefacts), three potential scarred trees and one stone quarry (fragmented into two sites) were identified within the Project Boundary. A total of 263 open artefact sites were located within the Disturbance Boundary.

Salvage of the registered Aboriginal archaeological sites within the Disturbance Boundary was undertaken in 2015 and 2016 as outlined in **Section 6.1**. Following completion of the salvage works, AECOM Australia Pty Ltd prepared a Report titled 'Bengalla Continuation of Mining Project: Aboriginal Archaeological Salvage Program' (AECOM Salvage Report). A copy of the AECOM Salvage Report has been provided to interested parties (refer to **Section 4.3)**. Registered Aboriginal archaeological sites, outside of the Project Disturbance Boundary are shown on **Figure 3**.

2.1.2 Aboriginal Cultural Heritage Values

The archaeological survey undertaken for the AACHIA (AECOM Australia Pty Ltd, 2013) identified a landscape of past Aboriginal activity evidenced from the number of stone artefacts recorded within the Project Boundary. Surface artefacts, which form Aboriginal archaeological and cultural sites, were recorded over the landscape but mostly associated with creeklines and drainage lines, including Dry Creek. While having varying degrees of scientific significance, these stone artefacts are of cultural importance to Aboriginal people as they attest to the past occupation and use of land within the Project Boundary by Aboriginal people and provide an important link to their heritage.

During the archaeological survey, Registered Aboriginal Party (RAP) representatives noted the importance of B10 quarry site for its rarity in the Hunter Region, being one of only a handful of these site types found locally. In addition, RAPs highlighted several landscape features as important on the basis of their associated archaeological record. Dry Creek was highlighted by RAP representatives as a focal point for past Aboriginal activity due to higher artefact numbers identified. RAPs expressed interest at finding an artefact scatter on the crest of a hill on the western extent of the Project Boundary. This highlighted the importance of vantage points in Aboriginal site selection. RAPs stated that land within the Project Boundary was important to Aboriginal people due to its proximity to an Aboriginal song line, of which Mt Arthur was one of the guiding landmarks. In addition, it was noted that land within the Project Boundary is important as it is within walking distance to a number of known ceremonial areas (which were not identified).



HB BENGALLA Management Plans 1704 F3 Management of Aboriginal Archaeological Sites 06 06 2017 Rev C

BENGALLA MINE

Extant Aboriginal Archaeological Sites

FIGURE 3

3 LEGISLATIVE AND PLANNING CONTEXT

This section provides a summary of the legislative framework relevant to this ACHMP.

3.1 Environmental Planning & Assessment Act 1979

Section 89J of the *Environmental Planning and Assessment Act 1979* (EP&A Act) lists the approvals that are not required for approved developments under Division 4.1 of Part 4. In this regard section 89J provides that an Aboriginal Heritage Impact Permit (AHIP) under section 90 of the *National Parks and Wildlife Act 1974* (NPW Act) is not required for any SSD that has been granted Development Consent.

Aboriginal heritage values within the Project Boundary are to be managed in accordance with the Conditions stipulated as part of SSD-5170 (as modified). SSD-5170 (as modified) Schedule 3, Condition 31 requires the preparation and implementation of an ACHMP to manage all Aboriginal Heritage items within the Project Boundary. Aboriginal cultural heritage impacts assessments and management plans must be consistent with OEH guidelines.

3.2 National Parks & Wildlife Act 1974

The NPW Act, administered by OEH, is the primary legislation for the protection of Aboriginal cultural heritage in NSW. The NPW Act gives the Director General of OEH responsibility for the proper care, preservation and protection of "Aboriginal objects" and "Aboriginal places", defined under the NPW Act as follows:

- An "*Aboriginal object*" is any deposit, object or material evidence (that is not a handicraft made for sale) relating to Aboriginal habitation of NSW, before or during the occupation of that area by persons of non-Aboriginal extraction. The definition of "Aboriginal object" includes Aboriginal remains.
- An "*Aboriginal place*" is a place declared so by the Minister administering the NPW Act because the place is or was of special significance to Aboriginal culture. It may or may not contain Aboriginal objects.

Part 6 of the NPW Act provides specific protection for Aboriginal objects and places by making it an offence to harm them. All identified Aboriginal objects required to be conserved within the Project Boundary (outside the Disturbance Boundary) will be managed in accordance with this ACHMP.

4 STAKEHOLDER CONSULTATION

This section summaries the consultation undertaken with regulators and RAPs as part of the development of this ACHMP. This section also provides a list of RAPs and consultation protocols for engagement with the Aboriginal community.

4.1 2015 ACHMP

4.1.1 Regulatory Consultation

Department of Planning and Environment

Schedule 3, Condition 31 of SSD-5170 (as modified) states that the ACHMP must be submitted to the Secretary for approval by 3 September 2015.

The final ACHMP was submitted to DP&E for approval on 13 May 2015. DP&E approved this management plan on 27 May 2015. The ACHMP also included all other regulatory and RAP correspondence and consultation as described below.

A copy of the regulatory correspondence is provided in **Appendix B**.

Office of Environment and Heritage

During the preparation of the Bengalla EIS and Bengalla RTS, consultation with OEH was conducted to develop a draft methodology for the salvage and excavation of Aboriginal quarry site B10 (AHIMS# 37-2-0579). On 8 May 2014 OEH provided correspondence to DP&E indicating that a draft excavation methodology for site B10 had been agreed upon (see **Appendix B**).

In this correspondence OEH noted that additional minor components should be included in the draft methodology including:

- Reference to spits/units being excavated in uniform 10 cm depths should be revised to note that all spits will be excavated in uniform 10 cm depths; and
- Based on the identified trigger conditions within this methodology, if open area excavations extend to a total area of 100 m^2 the qualified archaeologist will assess the need for further archaeological salvage based on the results of excavation completed.

Several other minor amendments to the draft salvage excavation methodology were also required (see **Appendix B**). All recommended amendments made by OEH to the draft methodology have been adopted in this ACHMP and are discussed in **Section 6.2.2**.

The draft ACHMP was provided to OEH on 24 April 2015 for further consultation and comment. In its response dated 12 May 2015, OEH noted they are satisfied with the management measures proposed (see **Appendix B**). In addition, OEH noted that an appropriate level of stakeholder consultation had been conducted.

OEH requested that a copy of the archaeological salvage report be provided to OEH upon completion (see **Section 4.3**.

4.1.2 Registered Aboriginal Party Consultation

Principles of RAP Engagement

BMC recognises the importance of cultural protocols in the engagement of RAPs and the Aboriginal community more broadly. As such, BMC has adopted the principals outlined in the Australian Heritage Commission's guidelines *Ask First: A guide to respecting Indigenous heritage places and values* (Australian Heritage Commission, 2002). These principals require that all parties concerned with identifying, conserving, and managing Aboriginal heritage should acknowledge, accept and act on the principles that Aboriginal people:

- Are the primary source of information on the value of their heritage and how this is best conserved;
- Must have an active role in any Aboriginal heritage planning process;
- Must have input into primary decision-making in relation to Aboriginal heritage so they can continue to fulfil their obligations towards this heritage; and
- Have a right to retain control of their cultural knowledge, including intellectual property and other information relating specifically to their heritage.

Welcome to Country & Acknowledging Traditional Owners

A Welcome to Country is a formal welcome to Aboriginal land given by an Elder or person from the Country that the meeting/event is taking place on. It is commonly in the form of a short speech, but also may include a performance. An Acknowledgement of Country can be given by an Indigenous or non-Indigenous person and is a way of paying respect to the Traditional Owners of the Country that the meeting/event is taking place on. An example of an Acknowledgement of Country may include:

> *"Before we begin proceedings, I would like to acknowledge the Traditional Owners of the land on which we meet today the Wonnarua people. I would like to pay my respects to the Elders past, present and future and pay my respects to all Aboriginal People here today, wherever you may come from."*

Welcome to Country and Acknowledgement of Country are important practices because they continue the longstanding tradition of formally recognising Aboriginal (and Torres Strait Islander) Traditional Ownership and Connection to Country (NTSCORP Limited, 2013). BMC proposes that any meetings and events associated with the preparation of this ACHMP and with the ongoing management of Aboriginal Heritage associated with this ACHMP within the Project Boundary begin with the opportunity for an Elder or Traditional Owner to undertake a Welcome to Country and/or Acknowledgement of Country.

AACHIA Consultation

Consultation with RAPs during the preparation of the AACHIA was undertaken by Hansen Bailey in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Consultation Requirements) (NSW Department of Environment Climate Change & Water, 2010a). A total of 30 Aboriginal parties registered their interest. These 30 RAPs are listed in **Table 2** and will continue to be consulted with regards to Aboriginal archaeology and cultural heritage relevant to Bengalla.

Table 2
Registered Aboriginal Parties

Ref	Group Name	Primary Contact
1	Aliera French Trading	Aliera French
2	Aboriginal T/O Surveys	Greg Griffiths
3	Bawurra Consultants	Kevin Sampson
4	Breeza Plains Culture and Heritage Consultants	Terry Matthews
5	Bunda Consultants	Tammy Knox
6	Cacatua Cultural Consultants	Donna Sampson
7	D F T V Enterprises	Derrick Vale Snr
8	Deslee Talbott Consultants	Deslee Matthews
9	Gidawaa Walang Cultural Heritage Consultancy	Annie Hickey
10	Hunter Valley Aboriginal Corporation	Rhonda Griffiths
11	Hunter Valley Cultural Surveying	Luke Hickey
12	Indigenous Outcomes	Robert Smith
13	Kauwul (trading as Wonn1 Contracting)	Arthur Fletcher
14	Kawul Cultural Services	Vicky Slater
15	Myland Cultural & Heritage Group	Warren Schillings
16	Ngarramang-Kuri Aboriginal Culture & Heritage Group	Abie Wright
17	Roger Noel Matthews Consultancy	Roger Matthews
18	T & G Culture Consultants	Tony Griffiths
19	Ungooroo Aboriginal Corporation	Annette Dunstan
20	Upper Hunter Heritage Consultants	Melissa Matthews
21	Upper Hunter Wonnarua Council	Rhoda Perry
22	Waabi Gabinya Cultural Consultancy	Elizabeth Howard
23	Wallangan Cultural Services	Maree Waugh
24	Wanaruah Local Aboriginal Land Council	Noel Downs
25	Warragil Cultural Services	Aaron Slater
26	Warul Consultants	Scott Smith
27	Wattaka Wonnarua Culture Consultants	Des Hickey
28	Widescope Indigenous Group Pty Ltd	Steven Hickey

Ref	Group Name	Primary Contact
29	Wonnarua Culture Heritage	Gordon Griffiths
30	Yinarr Cultural Services	Kathleen Steward-Kinchela

RAP ACHMP Consultation

The draft ACHMP was distributed to all RAPs listed in **Table 2** on 12 March 2015 in accordance with the Consultation Requirements. Three written responses to the draft ACHMP were provided with the following comments noted:

- Wanaruah Local Aboriginal Land Council:
  - Identified the need for further consultation to occur in relation to the final management option for salvaged artefacts; and
  - Noted that salvaged artefacts from Site B10 be relocated to Aboriginal land held in trust by the Wanaruah Local Aboriginal Land Council for use and access by the Aboriginal community in cultural activities.
- Kauwul (Wonn1 Contracting):
  - Noted general agreement of the draft ACHMP;
  - Identified that the draft ACHMP did not clearly identify the long term arrangements for the care and protection of the salvaged artefacts; and
  - Noted the need to facilitate ongoing access to recovered artefacts for education and ceremonial reasons;
- Gidawaa Walang Cultural Heritage Consultancy:
  - Noted general agreement of the draft ACHMP.

Copies of the RAP correspondence including written responses are provided in **Appendix C**.

In addition to the written comments a number of RAPs provided a verbal comment. These RAPs and comments are listed in **Table 3**.

Following approval of the ACHMP further RAP participation will be sought to participate in the archaeological salvage of sites impacted by the Project (see **Section 6**). During the salvage process further consultation will occur in order to resolve the final keeping place for salvaged Aboriginal artefacts.

Table 3
Registered Aboriginal Parties Correspondence

Ref	Group Name	Comment
1	Cacatua Cultural Consultants	Supporting content of draft ACHMP
2	D F T V Enterprises	Noted generally satisfied with the content of the draft ACHMP. Agreed with the 1mx1m test pits and 15 artefacts as the nominated trigger point
3	Gidawaa Walang Cultural Heritage Consultancy	Written comment provided
4	Hunter Valley Aboriginal Corporation	Noted that views of the group were consistent with those of the Wanaruah Local Aboriginal Land Council
5	Kauwul (trading as Wonn1 Contracting)	Written comment provided
6	Roger Noel Matthews Consultancy	Noted no comment on the draft ACHMP
7	Upper Hunter Wonnarua Council	Noted generally satisfied with the content of the draft ACHMP however indicated that the number of groups involved should focus on local
8	Wanaruah Local Aboriginal Land Council	Written comment provided

Ongoing RAP Consultation

Newsletters

Any RAP may request to be included on the distribution list for BMC newsletters. Additionally, RAPs may access the online Annual Review which will provide an annual update to progress regarding items of Aboriginal archaeological and cultural heritage.

Notification Triggers

Notification will be provided to RAPs in the following instances:

- Significant changes to operations at Bengalla where there are potential implications for Aboriginal heritage management; or
- There is a discovery of a significant Aboriginal site (e.g. burial, grinding groove or scar trees).

Notification of the above will be provided in writing to all RAPs, as listed in **Table 2,** within 14 days.

Participation of RAPs in Aboriginal Heritage Works

As outlined in **Section 6**, all RAPs, as listed in **Table 2,** will be provided the opportunity to participate in the archaeological salvage works detailed within this ACHMP.

Information/Meeting Requests

BMC is committed to addressing the concerns of all RAPs, as listed in **Table 2**, throughout the construction and operational phases of Bengalla. Should RAPs wish to discuss any aspect of this ACHMP BMC will facilitate this upon a reasonable RAP request.

4.2 ACHMP 2016

Relevant to the 2016 ACHMP, SSD-5170 (as modified) Schedule 5, Condition 5 states:

> *"5. Within 3 months of submission of:*
>
> *(d) Any modification to the conditions of this consent (unless conditions require otherwise), the applicant shall review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.*
>
> *Where this review leads to revisions of any such document, then within 4 weeks of the review, unless the Secretary agrees otherwise, the revised document must be submitted to the Secretary for approval."*

As discussed in **Section 1.2.3**, MOD1 was granted on 16 December 2015. Consistent with DP&E's correspondence dated 24 May 2016, the ACHMP was required to be updated and submitted to the Secretary for approval "… *prior to undertaking disturbance associated with the activities approved under Modification 1*.". A revised version incorporating MOD 1 was provided to DP&E on 26 May 2016 and approved on 2 June 2016.

Following the approval of MOD 2 in July 2016 (see **Section 1.2.4**), the 2016 ACHMP was again revised and provided to DP&E for review on 27 July 2016. As of 3 April 2017, no correspondence has been received from DP&E with regards to the 2016 revised document.

4.3 ACHMP 2017

This review of the ACHMP was undertaken to address MOD 3 (as outlined in **Section 1.2.5**) and the salvage works completed within the Disturbance Boundary as described in **Section 6**. **Appendix A** includes DP&E correspondence including confirmation of a due date of 12 May 2017. A copy of the 2017 ACHMP was provided to DP&E for review on 11 May 2017.

A copy of all relevant regulatory correspondence associated with the preparation of this ACHMP is provided in **Appendix B**.

Office of Environment and Heritage

OEH confirmed via email on 30 March 2017 that all salvaged sites have been removed from the AHIMS Register. A copy of the salvage report was provided to OEH via email on 9 May 2017.

5 MANAGEMENT OF NON-IMPACTED ABORIGINAL SITES

This section outlines the processes for the management of non-impacted items of Aboriginal heritage within the Project Boundary.

5.1 BMC Aboriginal Sites Database

BMC will maintain a database of known Aboriginal sites within the Project Boundary The database will utilise an appropriate Geographical Information System (GIS) program and will provide details of the Aboriginal sites and areas of archaeological sensitivity. The database is to contain the location in MGA coordinates, name, type and status of known Aboriginal sites within the Project Boundary. Use of the database will include but not be limited to the following:

- BMC management is to update the database as soon as practicable following the identification of any previously unrecorded Aboriginal objects or sites within the Project Boundary that have not been salvaged;
- Relevant BMC staff and contractors working in proximity to identified Aboriginal sites will be made aware of the nature and location of the sites as well as BMC's obligations with respect to managing them (see further detail in **Section 9.4**);
- When developing construction plans, drilling programs or any mine related works causing surface disturbance undertaken outside the Disturbance Boundary; and
- BMC management will make the database information available to relevant personnel, contractors and Aboriginal representatives where necessary to ensure sites are managed and cared for appropriately.

5.2 Protective Fencing and Signage

Known Aboriginal archaeological sites that have not been salvaged and are located 200 m outside the Disturbance Boundary will not be impacted and will be protected (see **Figure 3** and **Table 4**). After a site inspection and consultation with a qualified archaeologist fencing will be erected.

Where the site inspection fails to identify Aboriginal objects at the mapped location of the site, fencing will not be undertaken. Where Aboriginal objects are identified, fencing will be erected. Staff and contractors, where appropriate, will be made aware of the nature and locations of the sites as well as BMC's obligations with respect to them.

Metal signs attached to fencing will state:

ENVIRONMENTALLY SENSITIVE AREA

NO UNAUTHORISED ENTRY

For Information Contact the BMC Environmental Specialist

Table 4
Extant Sites to be Fenced

Site ID	Site Name	Site Type	GDA_94_Easting (centroid)	GDA_94_Northing (centroid)
EIS				
37-2-2561	Mount Pleasant 703	Artefact Scatter	295206	6429753
37-2-2916	MTP-113	Isolated Artefact	294457	6429049
37-2-3285	MTP-706	Isolated Artefact	295572	6429156
37-2-3286	MTP-707	Isolated Artefact	295549	6429172
37-2-4440	BM-AS08-12	Artefact Scatter	292208	6427466
37-2-4441	BM-AS09-12	Artefact Scatter	292022	6427494
37-2-4442	BM-AS10-12	Artefact Scatter	291850	6426969
37-2-4452	BM-AS20-12	Artefact Scatter	291779	6425680
37-2-4453	BM-AS21-12	Artefact Scatter	291753	6425502
37-2-4464	BM-IA06-12	Isolated Artefact	292414	6428066
37-2-4468	BM-IA10-12	Isolated Artefact	292119	6426980
37-2-4472	BM-IA14-12	Isolated Artefact	291467	6426433
37-2-4473	BM-IA15-12	Isolated Artefact	291770	6426148
37-2-4481	BM-IA23-12	Isolated Artefact	292406	6424802
N/A	MTP-1401	Isolated Artefact	292739	6428967
N/A	MTP-1402	Isolated Artefact	292677	6428953
N/A	MTP-1410	Isolated Artefact	292577	6428219
SEE				
37-2-2896	MTP-92	Open artefact site	294373	6429566
37-2-2897	MTP-93	Open artefact site	294290	6429546
37-2-1469	A33-A34	Open artefact site	294040	6429070
37-2-2891	MTP-87	Open artefact site	293983	6429150
37-2-2892	MTP-88	Open artefact site	294420	6429359
37-2-2889	MTP-85	Open artefact site	294214	6429182

5.3 Environmental Management

5.3.1 Ground Disturbance Permit

Where works are proposed within the Project Boundary the works are to be managed in accordance with BMC's environmental management process (see **Section 1.4**). As part of that process the Environment and Approvals Specialist is to ensure that no unauthorised impacts are to occur to Aboriginal heritage.

This is achieved through the Ground Disturbance Permit (GDP) process which identifies and manages potential impacts to Aboriginal heritage through the following procedure:

1. Search the BMC GIS Database to identify whether Aboriginal sites/areas of archaeological sensitivity are located within the area of proposed disturbance;
2. Where Aboriginal sites/areas of archaeological sensitivity are identified within or adjacent to the area of proposed disturbance, the Environment and Approvals Specialist must:
    a. Inform the Originator (i.e. the person responsible for implementing the disturbance);
    b. Confirm that the proposed disturbance works are approved under relevant approvals and environmental management procedures;
        i. Where the proposed disturbance works are approved and the management activities within this ACHMP have been implemented, then the activity may proceed;
        ii. Where the proposed disturbance works are not approved, BMC is to consult an appropriately qualified archaeologist to provide relevant management options.

5.3.2 Bushfire Hazard Reduction

Where vegetation has built up within the boundary of a previously recorded Aboriginal site, clearing will be undertaken in a manner that does not cause ground disturbance to the site. Preferred methods of hazard reduction include cutting and slashing at a suitable height to avoid impacting surface stone artefacts.

5.3.3 Weed Control

Where BMC is required to undertake weed control within the boundary of a previously recorded Aboriginal site, weeds will be removed in a manner that does not cause ground disturbance to the site.

5.4 Aboriginal Community Access

Aboriginal community members may, throughout the operational life of Bengalla, wish to access in-situ sites and/or areas within Project Boundary for cultural purposes (e.g. education, ceremony). BMC will facilitate reasonable access upon request. Aboriginal community members wishing to access areas within the Project Boundary should contact BMC Management. Access, in all instances, will be subject to relevant operational and safety considerations and reasonable notice. Access to some sites and areas will be restricted during periods of construction and mining.

Requests for access to non-salvaged sites within the Project Boundary for archaeological research purposes will be assessed by BMC management, in consultation with RAPs and OEH, on the basis of merit. Where granted, access would be subject to relevant operational and safety considerations. Access to some areas would be restricted during periods of construction or mining.

6 ARCHAEOLOGICAL SALVAGE PROGRAM

This section discusses the processes and procedures for the salvage of items of Aboriginal heritage within the Disturbance Boundary.

6.1 Surface Collection of Known Aboriginal Sites

In order to mitigate the impact of BMC's continued operations on the known Aboriginal archaeological resource of land within the Disturbance Boundary, an archaeological salvage program was undertaken (see **Appendix A)** in June 2015 and June 2016. The salvage program within the Disturbance Boundary included:

- Surface collection of 263 previously recorded open artefact sites;
- Archaeological test excavation within the B10 Quarry Northern Exclusion Zone (NEZ);
- Geomorphological assessments of extant soil profiles and landforms within NEZ;
- Post excavation analyses of any recovered Aboriginal objects;
- Reassessment by RAPs and an arborist, and potential removal of three scarred trees; and
- Production of an archaeological salvage report.

Surface collection was undertaken by a combined field team of archaeologists and RAP representatives and involved:

1. Flagging of all visible artefacts at each site;
2. Recording of individual artefact locations using a hand-held differential GPS. All artefacts were assigned a unique numerical identifier for data accessioning and analysis purposes (see **Appendix A**); and
3. Individual bagging of artefacts with appropriate labelling.

The AECOM Salvage Report advises no further surface collection is required within the Project Disturbance area at Bengalla.

6.2 Salvage Prior to Mining of the B10 Northern Exclusion Zone

6.2.1 Salvage Objectives

Salvaging of Aboriginal artefacts associated with Site B10 was undertaken in 2015. The overarching objectives of the program of archaeological test and salvage excavations within the B10 NEZ were as follows:

- To establish the nature and extent of subsurface archaeological materials located within the NEZ;
- To define the geology and geomorphology of the NEZ;
- To understand the nature and extent of past land disturbances within the NEZ;

- To undertake post-excavation analyses of any identified archaeological materials and assess their relationship to B10 quarry site;
- To determine whether the NEZ functioned as an Aboriginal quarry site;
- To confirm the presence/absence of naturally occurring gravel deposits within the NEZ and (if applicable) the contents of these deposits; and
- Utilise recovered archaeological material to address appropriate archaeological research questions.

6.2.2 Salvage Methodology

The program of archaeological investigation within the NEZ incorporated the following components:

- Test excavation;
- Geomorphological assessment;
- Post excavation analyses of any recovered Aboriginal objects; and
- Production of an excavation report for the NEZ.

Following test excavations, it was planned that an open area salvage excavation program would be undertaken where required. However, post excavation analyses of the recovered Aboriginal objects identified that the trigger for open area excavation was not met and as such no open area excavation was undertaken. All open area pits were backfilled once logged by the geomorphologist.

The AECOM Salvage Report advises no further surface collection is required within the Project Disturbance area at Bengalla.

6.3 Potential Scarred Tree Assessment & Removal

As outlined in the AECOM Salvage Report (Section 3.2.1), three trees previously identified as potential scarred trees, located within the Disturbance Boundary, were inspected by an arborist (Burns, 2015) prior to impact. In all three instances the trees were found to be of insufficient age to be the result of Aboriginal scarring with all three scars assessed as resulting of natural origins.

6.4 RAP Participation in Fieldwork

A fieldwork roster which ensured equanimity, was developed to complete the methodology described in **Section 6.2.2**. As outlined in the AECOM Salvage Report (Section 6.4), the program of archaeological test excavation within the B10 NEZ was undertaken over 12 days between 27 October and 10 November 2015 by a combined team AECOM archaeologists and representatives from 12 RAPs.

6.5 ASIR Cards

Aboriginal Site Impact Recording (ASIR) cards for previously registered and salvaged sites were submitted to OEH within 12 months of the completion of the salvage. This included sites previously approved for impacts as part of previous approvals but still listed on AHIMS as valid. OEH confirmed via email on 30 March 2017 that all sites had been removed from the AHIMS Register.

6.6 Care and Control of Salvaged Objects

Following completion of the salvage works in 2015 and 2016 (outlined in **Appendix A**), BMC has stored recovered artefacts in an appropriate secure and onsite location. Aboriginal community members may wish to access sites for appropriate cultural purposes (e.g. education and ceremony). BMC will facilitate reasonable access upon request and reasonable access will be subject to BMC operational requirements.

7 PROCEDURE FOR PREVIOUSLY UNRECORDED ABORIGINAL OBJECTS

This section outlines the procedure to be implemented in the event that a previously unrecorded site is discovered during construction or operational activities at Bengalla.

7.1 Open Artefact Sites

In the event that previously unidentified Aboriginal objects are identified through the construction and operational phases of Bengalla, the following procedure will apply:

1. Works will cease in the area to prevent further impact to the object(s);
2. BMC Management is to be notified;
3. BMC will notify DP&E and OEH as soon as possible;
4. A qualified archaeologist and RAP representative must be engaged to determine the nature, extent and scientific significance of the object(s);
5. If the site is within the Disturbance Boundary and it is determined that:
    a. The nature and significance of the site is consistent with sites assessed as of low or moderate significance within the ACHMP and recommended for salvage by the appropriate archaeologist, it will be subject to surface collection (see **Section 6.1**). As soon as practicable, the site database will be updated.
    b. The nature and significance of the site is consistent with sites assessed as of high significance, it will be subject to surface collection and potentially other mitigation measures such as excavation, as determined by discussions with BMC Management, DP&E, OEH, an archaeologist and RAPs. As soon as practicable, the site database will be updated.
6. If the site is outside the Disturbance Boundary but within the Project Boundary it is to be managed (where possible) in accordance with the procedures outlined in **Section 5**. In addition, the BMC Sites Database is to be updated and an AHIMS site card completed and submitted to DP&E and OEH.

7.2 Scarred Trees

In the event that a potential Aboriginal scarred tree is identified within the Disturbance Boundary, the following procedure will be implemented:

1. Works will cease in the area to prevent any further impacts to the object(s);
2. BMC Management is to be notified;
3. A qualified archaeologist, RAP representative and arborist must be engaged to determine validity of the scarred tree;
4. Should it be determined that the scarring is not Aboriginal in origin, works can recommence;

5. Should it be determined that the scarring is likely Aboriginal in origin and within the Disturbance Boundary, the tree will be removed according to the procedure outlined in **Section 6.3**; and

6. Should it be determined that the tree is outside the Disturbance Boundary but within the Project Boundary, it is to be conserved or managed in accordance with procedure outlined in **Section 5**. The BMC Sites Database will be updated and an AHIMS site card completed and submitted to OEH.

7.3 Human Skeletal Remains

In the event that human skeletal remains are identified, the following procedure will be adopted:

1. When suspected human remains are identified, all work in the near vicinity will cease;

2. BMC Management is to be notified;

3. BMC Management is to notify the Police;

4. BMC will notify DP&E and OEH as soon as possible;

5. BMC Management is to contact OEH's Environment line on 131 555 to notify that possible skeletal remains have been discovered and that the police have been notified. OEH will provide details on the current processes involved for managing archaeological skeletal remains (both Aboriginal & historic);

6. Under the instructions of the Police, an appropriate area is to be cordoned off using temporary fencing (or similar) around the exposed suspected human remains site. On agreement between the Police and BMC Management, work may continue outside of this area;

7. If the remains are determined to be Aboriginal remains, then under the advice of OEH, consult with the RAPs; and

8. Do not recommence work at the location until requirements of BMC, the Police, DP&E, OEH and the RAPs have been adequately addressed.

8 NON-COMPLIANCE & COMPLAINTS MANAGEMENT

This section outlines the non-compliance and complaints management procedures relevant to this ACHMP.

8.1 Non Compliance

Should there be a concern that conditions of this ACHMP are not being met and unauthorised impacts are occurring to Aboriginal objects, the following steps will be undertaken:

a) BMC Management is to be notified;

b) BMC will notify DP&E and OEH of the incident as soon as possible;

c) Commission a suitably qualified and experienced person(s) to:

- Investigate the complaints/claims; and
- Review the environmental performance of BMC.

d) Provide DP&E, OEH and RAPs with a written report as soon as practicable that describes:

- The nature of the non-compliance concern;
- The date and time of the incident;
- The likely cause of the incident;
- Actions that have been taken; and
- Proposed measures to address the incident.

8.2 Complaints

BMC has an existing complaints management procedure which details how to receive, respond to, record and address community complaints including Aboriginal heritage issues. BMC Management will keep a record of community complaints and subsequent actions. The following details will be recorded:

- The nature of the complaint;
- How the complaint was made;
- Actions (if appropriate); and
- Consultation undertaken.

Complaints and enquiries regarding Aboriginal heritage issues and any other environmental matters should be directed to the 24 hour environmental hotline: 1800 178 984.

9 REPORTING & AUDITING

This section outlines the reporting, auditing and training requirements relevant to this ACHMP.

9.1 Annual Review

By the end of March each year, BMC will provide an Annual Review to the Secretary of DP&E, which will review the environmental performance of the Project for the previous year. The Annual Review will include the presentation of and analysis of the results of any impact monitoring, complaints and any management actions implemented at Bengalla over the reporting period.

The Annual Review will be made publicly available through placement on BMC's website, and will be provided to the Bengalla Community Consultative Committee (CCC).

9.2 Auditing

Within one year of the commencement of development under SSD-5170 (i.e. 1 October 2016) and every 3 years thereafter, unless the Secretary directs otherwise, BMC will commission and pay the full cost of an Independent Environmental Audit of Bengalla.

9.3 ACHMP Review

This ACHMP will be reviewed in accordance with Schedule 5, Condition 5 of SSD-5170 (as modified) and, if necessary, revised (in consultation with relevant government agencies and landholders) on at least a three yearly basis (or as otherwise directed by DP&E).

9.4 Aboriginal Heritage Awareness Training

Subsequent to the approval of this ACHMP, relevant BMC employees and contractors will undertake Aboriginal Heritage Awareness training. BMC will maintain a database of employees and contractors that have undertaken Aboriginal Heritage Awareness training.

The purpose of the training is to broaden general awareness and understanding of Aboriginal culture and heritage. It will explain why and how Aboriginal heritage and culture is protected in NSW and what their role is in protecting Aboriginal sites and objects at Bengalla.

9.5 Public Access to Information

In accordance with Schedule 5, Condition 11 of SSD-5170 (as modified), BMC will regularly (in the form of the Annual Review) prepare a summary of monitoring results required by SSD-5170 and make these publicly available on the Bengalla website. In addition, the ACHMP will be made publicly available on the BMC website.

10 ROLES AND RESPONSIBILITIES

Specific roles and responsibilities for the implementation of this ACHMP and associated actions are presented in **Table 5**.

Table 5
Roles and Responsibilities

Action	Timing	Position Responsibility	Section
Implementation of this ACHMP	Ongoing	Chief Executive Officer (CEO) and Environment and Approvals Specialist	This ACHMP
Aboriginal sites database	Prior to DP&E sign off on ACHMP	Environment and Approvals Specialist	**5.1**
Protective fencing and signage	Within 24 months of gaining Development Consent	Environment and Approvals Specialist	**5.2**
Salvage works	As required	Environment and Approvals Specialist, Cultural Heritage Advisor and RAPs.	**6**
Salvage reporting	Following salvage	Environment and Approvals Specialist and Cultural Heritage Advisor	**6.1**
Care and Control Agreement	During consultation for this ACHMP	Environment and Approvals Specialist, Cultural Heritage Advisor and RAPs.	**6.6**
Management of previously unrecorded Aboriginal objects	As required	Environment and Approvals Specialist, Cultural Heritage Advisor and RAPs.	**7**
Aboriginal heritage awareness training	As required	BMC CEO, Environment and Approvals Specialist and RAPs	**9**
ACHMP review	3 yearly or as required	Environment and Approvals Specialist	**9.3**

11 ABBREVIATIONS

Abbreviation	Meaning
AACHIA	Aboriginal Archaeological and Cultural Heritage Impact Assessment
ACHMP	Aboriginal Cultural Heritage Management Plan
Bengalla	Bengalla Mine
BMC	Bengalla Mining Company Pty Limited
CEO	Chief Executive Officer
DA	Development Approval
DP&E	NSW Department of Planning and Environment
EIS	Continuation of Bengalla Mine Environmental Impact Statement
EMS	Environmental Management System
EPL	Environmental Protection Licence
Mtpa	Million tonnes per annum
ML	Mining Licence
NEZ	Northern Exclusion Zone (B10)
OEA	Overburden Emplacement Area
OEH	NSW Office of Environment and Heritage
OSL	Optical Stimulated Luminescence
RAP	Registered Aboriginal Party
ROM	Run of Mine
SEE	Statement of Environmental Effects for Modification 1 to SSD5170
SEE 2	Statement of Environmental Effects for Modification 2 to SSD5170
SEE 3	Statement of Environmental Effects for Modification 3 to SSD5170
SSD	Development Consent State Significant Development 5170 for Bengalla Mine

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APPENDIX A
SURFACE COLLECTED SITES

Surface Collected Sites*

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-0578	B9	294585	6426739	Artefact Scatter	**37-2-3141**	MTP-562	294449	6427668	Artefact Scatter
37-2-0583	B14	293225	6425819	Artefact Scatter	**37-2-3142**	MTP-563	294508	6427674	Artefact Scatter
37-2-0584	B15	294305	6426669	Artefact Scatter	**37-2-3143**	MTP-564	294555	6427624	Isolated Artefact
37-2-0585	B16	293805	6426789	Artefact Scatter	**37-2-3144**	MTP-565	294588	6427659	Artefact Scatter
37-2-0586	B17	293705	6426889	Artefact Scatter	**37-2-3145**	MTP-566	294641	6427663	Isolated Artefact
37-2-0587	B18	293805	6426989	Artefact Scatter	**37-2-3146**	MTP-567	294516	6427752	Artefact Scatter
37-2-0589	B20	294305	6426939	Artefact Scatter	**37-2-3147**	MTP-568	294514	6427796	Artefact Scatter
37-2-0590	B21	294355	6427039	Artefact Scatter	**37-2-3148**	MTP-569	294443	6427778	Artefact Scatter
37-2-0591	B22	293555	6428089	Artefact Scatter	**37-2-3149**	MTP-570	294417	6427728	Artefact Scatter
37-2-0592	B23	293605	6427989	Artefact Scatter	**37-2-3150**	MTP-571	294408	6427802	Artefact Scatter
37-2-0593	B24	293655	6427689	Artefact Scatter	**37-2-3151**	MTP-572	294352	6427795	Isolated Artefact
37-2-0594	B25	293805	6427889	Artefact Scatter	**37-2-3152**	MTP-573	294285	6427806	Artefact Scatter
37-2-0595	B26	293985	6427769	Artefact Scatter	**37-2-3153**	MTP-574	294178	6427789	Isolated Artefact
37-2-0596	B27	294055	6427739	Artefact Scatter	**37-2-3154**	MTP-575	294138	6427774	Artefact Scatter
37-2-0597	B28	294235	6427439	Artefact Scatter	**37-2-3155**	MTP-576	293914	6427817	Artefact Scatter
37-2-0598	B29	294355	6427839	Artefact Scatter	**37-2-3157**	MTP-578	293481	6427698	Isolated Artefact
37-2-0599	B30	294455	6427739	Artefact Scatter	**37-2-3158**	MTP-579	294240	6427508	Artefact Scatter
37-2-0600	B31	294715	6427689	Artefact Scatter	**37-2-3159**	MTP-580	294317	6427492	Artefact Scatter
37-2-0602	B33	294855	6428439	Artefact Scatter	**37-2-3160**	MTP-581	294323	6427527	Artefact Scatter
37-2-0603	B34	294955	6428739	Artefact Scatter	**37-2-3161**	MTP-582	294337	6427449	Isolated Artefact
37-2-0604	B35	294555	6428339	Artefact Scatter	**37-2-3162**	MTP-583	294659	6427540	Artefact Scatter
37-2-1463	B36	295065	6429569	Artefact Scatter	**37-2-3163**	MTP-584	294415	6427602	Isolated Artefact
37-2-1468	A7-A8	293955	6429159	Artefact Scatter	**37-2-3164**	MTP-585	294371	6427589	Artefact scatter

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-2097	B6	293896	6425955	Isolated Artefact	**37-2-3281**	MTP-702	295150	6429421	Artefact Scatter
37-2-2098	B7	293818	6425952	Artefact scatter	**37-2-3282**	MTP-703	295102	6429565	Isolated Artefact
37-2-2099	B8	293764	6426008	Isolated Artefact	**37-2-3283**	MTP-704	295157	6429564	Isolated Artefact
37-2-2100	B9	294024	6426045	Isolated Artefact	**37-2-3287**	MTP-708	295126	6429265	Isolated Artefact
37-2-2101	B10	293739	6426106	Isolated Artefact	**37-2-3288**	MTP-709	295032	6429145	Isolated Artefact
37-2-2102	B11	293804	6426163	Isolated Artefact	**37-2-3289**	MTP-710	294908	6429017	Artefact scatter
37-2-2103	B12	293863	6426228	Isolated Artefact	**37-2-3534**	MTP-956	293655	6427070	Isolated Artefact
37-2-2560	MTP 702	295255	6429609	Artefact Scatter	**37-2-3535**	MTP-957	293606	6427166	Isolated Artefact
37-2-2843	MTP-39	293935	6428611	Isolated Artefact	**37-2-3536**	MTP-958	293616	6426854	Artefact Scatter
37-2-2844	MTP-40	293712	6428744	Isolated Artefact	**37-2-3537**	MTP-959	293641	6426641	Artefact Scatter
37-2-2845	MTP-41	293956	6428616	Isolated Artefact	**37-2-3538**	MTP-960	293707	6426546	Isolated Artefact
37-2-2846	MTP-42	293755	6427988	Isolated Artefact	**37-2-3539**	MTP-961	293663	6426676	Isolated Artefact
37-2-3041	MTP-461	294096	6429036	Artefact Scatter	**37-2-3540**	MTP-962	293657	6426687	Isolated Artefact
37-2-3042	MTP-462	294062	6428996	Artefact Scatter	**37-2-3541**	MTP-963	293696	6426754	Isolated Artefact
37-2-3043	MTP-463	293969	6429005	Artefact Scatter	**37-2-3542**	MTP-964	293653	6426850	Isolated Artefact
37-2-3044	MTP-464	293949	6429016	Isolated Artefact	**37-2-3543**	MTP-965	293674	6426885	Artefact Scatter
37-2-3045	MTP-465	293726	6429086	Artefact Scatter	**37-2-3544**	MTP-966	293650	6426907	Artefact scatter
37-2-3046	MTP-466	293646	6429056	Isolated Artefact	**37-2-3545**	MTP-967	293574	6426250	Isolated Artefact
37-2-3047	MTP-467	293659	6428976	Isolated Artefact	**37-2-3546**	MTP-968	293355	6426073	Isolated Artefact
37-2-3048	MTP-468	293911	6428929	Isolated Artefact	**37-2-3547**	MTP-969	293221	6425907	Isolated Artefact
37-2-3049	MTP-469	294073	6428936	Artefact Scatter	**37-2-3548**	MTP-970	293182	6425886	Artefact Scatter
37-2-3050	MTP-470	294110	6428934	Isolated Artefact	**37-2-3549**	MTP-971	293105	6425932	Isolated Artefact
37-2-3051	MTP-471	294131	6428967	Artefact Scatter	**37-2-3550**	MTP-972	293183	6425961	Isolated Artefact
37-2-3052	MTP-472	294200	6428956	Artefact Scatter	**37-2-3551**	MTP-973	293334	6426058	Isolated Artefact

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-3053	MTP-473	294247	6428918	Artefact Scatter	**37-2-3552**	MTP-974	293349	6426079	Isolated Artefact
37-2-3054	MTP-474	294274	6428935	Artefact Scatter	**37-2-3840**	MTP-1262	294875	6429001	Isolated Artefact
37-2-3055	MTP-475	294324	6428880	Isolated Artefact	**37-2-4060**	MTP-1400	292930	6429241	Isolated Artefact
37-2-3056	MTP-476	294221	6429003	Artefact Scatter	**37-2-4061**	MTP-1413	293422	6427540	Artefact Scatter
37-2-3057	MTP-477	293670	6428840	Isolated Artefact	**37-2-4062**	MTP-1460	293513	6426231	Artefact Scatter
37-2-3058	MTP-478	293581	6428851	Artefact Scatter	**37-2-4063**	MTP-1462	293615	6426715	Artefact Scatter
37-2-3059	MTP-479	293519	6428942	Isolated Artefact	**37-2-4433**	BM-AS01-12	294901	6428871	Artefact Scatter
37-2-3060	MTP-480	293635	6428804	Isolated Artefact	**37-2-4434**	BM-AS02-12	294815	6428544	Artefact Scatter
37-2-3061	MTP-481	293684	6428790	Artefact Scatter	**37-2-4435**	BM-AS03-12	294202	6427023	Artefact Scatter
37-2-3062	MTP-482	293805	6428767	Isolated Artefact	**37-2-4436**	BM-AS04-12	294450	6426865	Artefact Scatter
37-2-3063	MTP-483	294121	6428737	Isolated Artefact	**37-2-4437**	BM-AS05-12	292029	6426475	Artefact Scatter
37-2-3065	MTP-485	294270	6428697	Artefact Scatter	**37-2-4438**	BM-AS06-12	292394	6425477	Artefact Scatter
37-2-3066	MTP-486	294452	6428649	Artefact Scatter	**37-2-4439**	BM-AS07-12	292197	6427848	Artefact Scatter
37-2-3067	MTP-487	294407	6428759	Artefact Scatter	**37-2-4443**	BM-AS11-12	292276	6426741	Artefact Scatter
37-2-3068	MTP-488	294364	6428777	Isolated Artefact	**37-2-4444**	BM-AS12-12	292510	6426541	Artefact Scatter
37-2-3069	MTP-489	294286	6428782	Artefact Scatter	**37-2-4445**	BM-AS13-12	292471	6426325	Artefact Scatter
37-2-3070	MTP-490	294253	6428819	Isolated Artefact	**37-2-4446**	BM-AS14-12	291888	6426064	Artefact Scatter
37-2-3071	MTP-491	294226	6428783	Artefact Scatter	**37-2-4448**	BM-AS16-12	292579	6425918	Artefact Scatter
37-2-3072	MTP-492	294174	6428777	Artefact Scatter	**37-2-4449**	BM-AS17-12	292833	6425701	Artefact Scatter
37-2-3073	MTP-493	294124	6428834	Artefact Scatter	**37-2-4450**	BM-AS18-12	292839	6425432	Artefact Scatter
37-2-3074	MTP-494	293893	6428644	Isolated Artefact	**37-2-4451**	BM-AS19-12	292930	6425073	Artefact Scatter
37-2-3075	MTP-495	293783	6428689	Isolated Artefact	**37-2-4456**	BM-AS24-12	292165	6425346	Artefact Scatter
37-2-3076	MTP-496	293640	6428644	Isolated Artefact	**37-2-4457**	BM-AS25-12	292349	6425330	Artefact Scatter
37-2-3077	MTP-497	293554	6428680	Artefact Scatter	**37-2-4459**	BM-IA01-12	293979	6427459	Isolated Artefact

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-3078	MTP-498	293754	6428539	Isolated Artefact	**37-2-4460**	BM-IA02-12	293105	6427486	Isolated Artefact
37-2-3079	MTP-499	293983	6428531	Isolated Artefact	**37-2-4461**	BM-IA03-12	292741	6427051	Isolated Artefact
37-2-3080	MTP-500	294040	6428511	Isolated Artefact	**37-2-4462**	BM-IA04-12	293086	6426348	Isolated Artefact
37-2-3081	MTP-501	294236	6428505	Artefact Scatter	**37-2-4463**	BM-IA05-12	292830	6427900	Isolated Artefact
37-2-3082	MTP-502	294282	6428493	Artefact Scatter	**37-2-4465**	BM-IA07-12	292449	6427622	Isolated Artefact
37-2-3083	MTP-503	294323	6428471	Artefact Scatter	**37-2-4466**	BM-IA08-12	292235	6427681	Isolated Artefact
37-2-3084	MTP-504	294404	6428430	Isolated Artefact	**37-2-4467**	BM-IA09-12	292874	6429137	Isolated Artefact
37-2-3085	MTP-505	294469	6428471	Artefact Scatter	**37-2-4469**	BM-IA11-12	291959	6426694	Isolated Artefact
37-2-3086	MTP-506	294524	6428441	Artefact Scatter	**37-2-4470**	BM-IA12-12	292340	6426455	Isolated Artefact
37-2-3087	MTP-507	294553	6428432	Artefact Scatter	**37-2-4471**	BM-IA13-12	292140	6426567	Isolated Artefact
37-2-3088	MTP-508	294582	6428389	Artefact Scatter	**37-2-4474**	BM-IA16-12	291840	6425815	Isolated Artefact
37-2-3089	MTP-509	294715	6428402	Artefact Scatter	**37-2-4475**	BM-IA17-12	292380	6425752	Isolated Artefact
37-2-3090	MTP-510	294512	6428568	Artefact Scatter	**37-2-4476**	BM-IA18-12	291954	6425628	Isolated Artefact
37-2-3091	MTP-511	294464	6428556	Artefact Scatter	**37-2-4478**	BM-IA20-12	292306	6425197	Isolated Artefact
37-2-3092	MTP-512	294235	6428580	Artefact Scatter	**37-2-4479**	BM-IA21-12	292185	6425108	Isolated Artefact
37-2-3093	MTP-513	293908	6428467	Isolated Artefact	**37-2-4480**	BM-IA22-12	292347	6424992	Isolated Artefact
37-2-3094	MTP-514	293794	6428411	Artefact Scatter	**37-2-4482**	MTP-AS01-12	293414	6427885	Artefact Scatter
37-2-3096	MTP-516	293351	6428427	Isolated Artefact	**37-2-4483**	MTP-AS2-12	294513	6427391	Artefact Scatter
37-2-3097	MTP-518	293970	6428344	Artefact Scatter	**37-2-4484**	MTP-AS03-12	294152	6427949	Artefact Scatter
37-2-3098	MTP-519	294501	6428281	Artefact Scatter	**37-2-4486**	MTP-IA2-12	293974	6428112	Isolated Artefact
37-2-3099	MTP-520	294538	6428266	Artefact Scatter	**37-2-4485**	MTP-IA1-12	294099	6427451	Isolated Artefact
37-2-3100	MTP-521	294598	6428225	Artefact Scatter	**MTP-1403**	MTP-1403	293358	6426904	Artefact Scatter
37-2-3101	MTP-522	294659	6428206	Artefact Scatter	**MTP-1404**	MTP-1404	293018	6428655	Isolated Artefact
37-2-3102	MTP-523	294722	6428346	Artefact Scatter	**MTP-1405**	MTP-1405	292918	6428717	Isolated Artefact

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-3103	MTP-524	294554	6428374	Artefact Scatter	**MTP-1406**	MTP-1406	293018	6428726	Isolated Artefact
37-2-3104	MTP-525	294497	6428362	Artefact Scatter	**MTP-1407**	MTP-1407	293174	6428475	Isolated Artefact
37-2-3105	MTP-526	294211	6428446	Artefact Scatter	**MTP-1408**	MTP-1408	293004	6428470	Isolated Artefact
37-2-3106	MTP-527	294056	6428431	Isolated Artefact	**MTP-1409**	MTP-1409	293063	6428072	Isolated Artefact
37-2-3108	MTP-529	293637	6428257	Isolated Artefact	**MTP-1411**	MTP-1411	292899	6427827	Isolated Artefact
37-2-3109	MTP-530	293519	6428316	Isolated Artefact	**MTP-1412**	MTP-1412	292593	6427618	Artefact Scatter
37-2-3110	MTP-531	293446	6428179	Artefact Scatter	**MTP-1415**	MTP-1415	293453	6427387	Isolated Artefact
37-2-3111	MTP-532	293520	6428181	Isolated Artefact	**MTP-1416**	MTP-1416	293231	6427188	Isolated Artefact
37-2-3112	MTP-533	294095	6428149	Artefact Scatter	**MTP-1417**	MTP-1417	292847	6427065	Isolated Artefact
37-2-3113	MTP-534	294211	6428071	Isolated Artefact	**MTP-1418**	MTP-1418	292838	6427103	Isolated Artefact
37-2-3114	MTP-535	294328	6428075	Artefact Scatter	**MTP-1420**	MTP-1420	293292	6427089	Isolated Artefact
37-2-3115	MTP-536	294601	6428002	Artefact Scatter	**MTP-1428**	MTP-1428	293155	6426942	Isolated Artefact
37-2-3116	MTP-537	294696	6428080	Artefact Scatter	**MTP-1429**	MTP-1429	293075	6426985	Isolated Artefact
37-2-3117	MTP-538	294717	6428038	Artefact scatter	**MTP-1432**	MTP-1432	293344	6426942	Isolated Artefact
37-2-3118	MTP-539	294743	6428087	Artefact Scatter	**MTP-1433**	MTP-1433	293358	6426904	Isolated Artefact
37-2-3119	MTP-540	294620	6428148	Artefact Scatter	**MTP-1437**	MTP-1437	293231	6426772	Isolated Artefact
37-2-3120	MTP-541	294578	6428144	Artefact Scatter	**MTP-1438**	MTP-1438	293041	6426620	Isolated Artefact
37-2-3121	MTP-542	293939	6428243	Isolated Artefact	**MTP-1439**	MTP-1439	293127	6426710	Isolated Artefact
37-2-3122	MTP-543	293513	6428113	Artefact Scatter	**MTP-1440**	MTP-1440	293125	6426706	Isolated Artefact
37-2-3123	MTP-544	293163	6428082	Isolated Artefact	**MTP-1442**	MTP-1442	292899	6426521	Isolated Artefact
37-2-3124	MTP-545	293650	6427997	Artefact Scatter	**MTP-1443**	MTP-1443	292985	6428840	Isolated Artefact
37-2-3125	MTP-546	293717	6427946	Artefact Scatter	**MTP-1444**	MTP-1444	293248	6426542	Isolated Artefact
37-2-3126	MTP-547	293760	6427968	Artefact Scatter	**MTP-1445**	MTP-1445	293046	6426422	Isolated Artefact
37-2-3127	MTP-548	294332	6427890	Artefact Scatter	**MTP-1447**	MTP-1447	293013	6426322	Isolated Artefact

AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type	AHIMS ID	Site Name	GDA E (56)	GDA N (56)	Type
37-2-3128	MTP-549	294404	6427892	Artefact Scatter	**MTP-1448**	MTP-1448	293046	6426332	Isolated Artefact
37-2-3129	MTP-550	294520	6427830	Artefact Scatter	**MTP-1449**	MTP-1449	293089	6426209	Isolated Artefact
37-2-3130	MTP-551	294494	6427885	Artefact Scatter	**MTP-1450**	MTP-1450	293198	6426360	Isolated Artefact
37-2-3131	MTP-552	294564	6427988	Artefact Scatter	**MTP-1451**	MTP-1451	293205	6426145	Isolated Artefact
37-2-3132	MTP-553	294524	6427937	Isolated Artefact	**MTP-1452**	MTP-1452	293070	6425972	Isolated Artefact
37-2-3133	MTP-554	294422	6427982	Artefact Scatter	**MTP-1455**	MTP-1455	293046	6426422	Artefact Scatter
37-2-3134	MTP-555	294235	6428009	Artefact Scatter	**MTP-1456**	MTP-1456	293143	6426073	Artefact Scatter
37-2-3135	MTP-556	293841	6427847	Artefact Scatter	**MTP-1458**	MTP-1458	293344	6426201	Isolated Artefact
37-2-3136	MTP-557	293999	6427733	Artefact Scatter	**MTP-1459**	MTP-1459	293384	6426187	Isolated Artefact
37-2-3137	MTP-558	294128	6427725	Artefact Scatter	**37-2-5072**	BMAS27-15	293943	6429212	Artefact scatter
37-2-3138	MTP-559	294222	6427733	Isolated Artefact	**37-2-5073**	BM-IA24-15	294235	6429321	Isolated Artefact
37-2-3139	MTP-560	294320	6427714	Artefact Scatter	**37-2-5426**	BM-IA24-14	292408	6425121	Isolated Artefact
37-2-3140	MTP-561	294376	6427643	Artefact Scatter					

**Aboriginal Archaeological Salvage Program (AECOM, October 2016)*

Surface Lithic Data

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
1	294880	6429003	Multidirectional core	**630**	292564	6425853	Round-edged scraper	**1259**	294743	6428086	Complete flake
2	295124	6429262	Complete flake	**631**	292564	6425851	Flake shatter	**1260**	294749	6428088	Proximal flake
3	295158	6429273	Proximal flake	**632**	292561	6425851	Misc. retouched flake	**1261**	294743	6428086	Flake shatter
4	295168	6429284	Complete flake	**633**	292563	6425875	Complete flake	**1262**	294743	6428086	Flake shatter
5	295195	6429311	Complete flake	**634**	292564	6425875	Complete flake	**1263**	294743	6428086	Complete flake
6	295138	6429467	Complete flake	**635**	292617	6425887	Proximal flake	**1264**	294743	6428086	Proximal flake
7	295135	6429467	Flaked piece	**636**	292630	6425901	Flaked piece	**1265**	294743	6428086	Multidirectional core
8	295134	6429468	Flake shatter	**637**	292627	6426006	Complete flake	**1266**	294743	6428086	Complete flake
9	295134	6429468	Proximal flake	**638**	292626	6426005	Flaked piece	**1267**	294743	6428086	Complete flake
10	295133	6429467	Flaked piece	**639**	292634	6426041	Complete flake	**1268**	294743	6428086	Proximal flake
11	295133	6429468	Flaked piece	**640**	293733	6426708	Proximal flake	**1269**	294743	6428086	Complete flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
12	295133	6429469	Flaked piece	**641**	293665	6426612	Proximal flake	**1270**	294743	6428085	Complete flake
13	295133	6429470	Complete flake	**642**	293643	6426642	Flaked piece	**1271**	294743	6428085	Complete flake
14	295132	6429471	Proximal flake	**643**	293643	6426641	Proximal flake	**1272**	294743	6428085	Flake shatter
15	295133	6429472	Flaked piece	**644**	293643	6426641	Non-diagnostic	**1273**	294743	6428086	Flake shatter
16	295132	6429472	Heat shatter	**645**	293643	6426641	Complete flake	**1274**	294742	6428086	Misc. retouched flake
17	295132	6429472	Heat shatter	**646**	293642	6426641	Complete flake	**1275**	294743	6428086	Complete flake
18	295133	6429473	Flake shatter	**647**	293659	6426689	Multidirectional core	**1276**	294742	6428085	Complete flake
19	295133	6429473	Flake shatter	**648**	293613	6426720	Heat shatter	**1277**	294743	6428086	Flake shatter
20	295134	6429473	Flaked piece	**649**	293700	6426755	Complete flake	**1278**	294742	6428086	Flaked piece
21	295134	6429474	Flaked piece	**650**	293714	6426744	Proximal flake	**1279**	294745	6428085	Flaked piece
22	295134	6429474	Flake shatter	**651**	293744	6426774	Non-diagnostic	**1280**	294745	6428085	Proximal flake
23	295133	6429474	Complete flake	**652**	293745	6426773	Non-diagnostic	**1281**	294745	6428085	Flake shatter
24	295133	6429474	Proximal flake	**653**	293790	6426767	Non-diagnostic	**1282**	294743	6428085	Proximal flake
25	295133	6429474	Flaked piece	**654**	293799	6426765	Unidirectional core	**1283**	294742	6428086	Flake shatter
26	295133	6429474	Heat shatter	**655**	293834	6426788	Flaked piece	**1284**	294742	6428086	Complete flake
27	295133	6429474	Heat shatter	**656**	293836	6426790	Flake shatter	**1285**	294742	6428086	Flake shatter
28	295133	6429473	Complete flake	**657**	293836	6426793	Proximal flake	**1286**	294742	6428086	Complete flake
29	295133	6429473	Proximal flake	**658**	293839	6426792	Flaked piece	**1287**	294742	6428086	Flake shatter
30	295133	6429473	Heat shatter	**659**	293842	6426787	Complete flake	**1288**	294742	6428086	Flaked piece
31	295133	6429473	Heat shatter	**660**	293844	6426786	Heat shatter	**1289**	294742	6428086	Flake shatter
32	295133	6429473	Flake shatter	**661**	293834	6426792	Non-diagnostic	**1290**	294742	6428085	Proximal flake
33	295133	6429473	Non-diagnostic	**662**	293831	6426788	Non-diagnostic	**1291**	294742	6428085	Complete flake
34	295133	6429473	Proximal flake	**663**	293831	6426787	Non-diagnostic	**1292**	294742	6428086	Split flake
35	295133	6429473	Flaked piece	**664**	293832	6426787	Multidirectional core	**1293**	294742	6428086	Flake shatter
36	295133	6429472	Core fragment	**665**	293835	6426788	Flake shatter	**1294**	294742	6428085	Flake shatter
37	295133	6429472	Proximal flake	**666**	293832	6426787	Complete flake	**1295**	294743	6428085	Flake shatter
38	295185	6429434	Flaked piece	**667**	293824	6426792	Split flake	**1296**	294743	6428086	Complete flake
39	295187	6429439	Flake shatter	**668**	293823	6426794	Bifacial core	**1297**	294742	6428086	Flake shatter
40	295187	6429441	Flake shatter	**669**	293822	6426793	Flaked piece	**1298**	294742	6428086	Backed artefact
41	295187	6429441	Complete flake	**670**	293820	6426792	Unidirectional core	**1299**	294742	6428086	Flake shatter
42	295187	6429441	Complete flake	**671**	293488	6426765	Heat shatter	**1300**	294742	6428086	Flake shatter
43	295185	6429445	Natural	**672**	293520	6426811	Flaked piece	**1301**	294743	6428086	Flake shatter
44	295191	6429458	Split flake	**673**	293534	6426836	Complete flake	**1302**	294743	6428086	Heat shatter

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
45	295190	6429459	Flaked piece	**674**	293535	6426843	Complete flake	**1303**	294743	6428086	Flake shatter
46	295167	6429563	Unidirectional core	**675**	293536	6426847	Proximal flake	**1304**	294742	6428086	Redirecting flake
47	295162	6429564	Heat shatter	**676**	293538	6426851	Proximal flake	**1305**	294743	6428086	Complete flake
48	295158	6429564	Complete flake	**677**	293540	6426851	Proximal flake	**1306**	294742	6428086	Flake shatter
49	295157	6429566	Complete flake	**678**	293541	6426854	Complete flake	**1307**	294742	6428086	Flake shatter
50	295157	6429566	Complete flake	**679**	293542	6426857	Proximal flake	**1308**	294742	6428086	Flake shatter
51	295107	6429575	Proximal flake	**680**	293541	6426856	Proximal flake	**1309**	294743	6428086	Flake shatter
52	295105	6429572	Complete flake	**681**	293541	6426856	Complete flake	**1310**	294743	6428086	Flaked piece
53	295101	6429572	Proximal flake	**682**	293542	6426855	Flake shatter	**1311**	294743	6428086	Flake shatter
54	295100	6429572	Complete flake	**683**	293543	6426853	Unidirectional core	**1312**	294743	6428086	Complete flake
55	295100	6429573	Complete flake	**684**	293545	6426857	Non-diagnostic	**1313**	294743	6428086	Flake shatter
56	295100	6429575	Proximal flake	**685**	293546	6426857	Complete flake	**1314**	294743	6428085	Flake shatter
57	295102	6429576	Flaked piece	**686**	293550	6426862	Flake shatter	**1315**	294742	6428086	Flaked piece
58	295104	6429577	Proximal flake	**687**	293557	6426865	Split flake	**1316**	294742	6428086	Flake shatter
59	295107	6429578	Heat shatter	**688**	293562	6426864	Non-diagnostic	**1317**	294743	6428086	Flake shatter
60	293968	6429084	Heat shatter	**689**	293564	6426865	Proximal flake	**1318**	294742	6428085	Flake shatter
61	294892	6428913	Natural	**690**	293617	6426860	Flaked piece	**1319**	294743	6428085	Complete flake
62	294891	6428913	Non-diagnostic	**691**	293631	6426871	Multidirectional core	**1320**	294743	6428085	Flaked piece
63	294900	6428885	Non-diagnostic	**692**	293638	6426902	Non-diagnostic	**1321**	294743	6428086	Proximal flake
64	294899	6428883	Proximal flake	**693**	293679	6426882	Complete flake	**1322**	294742	6428086	Flaked piece
65	294900	6428882	Proximal flake	**694**	293685	6426881	Complete flake	**1323**	294742	6428086	Flake shatter
66	294900	6428883	Proximal flake	**695**	293691	6426879	Complete flake	**1324**	294743	6428086	Flake shatter
67	294900	6428882	Flaked piece	**696**	293693	6426880	Proximal flake	**1325**	294743	6428085	Flake shatter
68	294901	6428881	Flake shatter	**697**	293699	6426880	Complete flake	**1326**	294742	6428085	Flake shatter
69	294901	6428881	Flake shatter	**698**	293698	6426878	Multidirectional core	**1327**	294742	6428086	Flake shatter
70	294901	6428881	Complete flake	**699**	293699	6426883	Proximal flake	**1328**	294742	6428086	Flake shatter
71	294900	6428881	Flake shatter	**700**	293715	6426874	Natural	**1329**	294742	6428086	Flaked piece
72	294901	6428881	Proximal flake	**701**	293465	6427045	Complete flake	**1330**	294742	6428086	Complete flake
73	294901	6428881	Flaked piece	**702**	293440	6427046	Complete flake	**1331**	294743	6428086	Flake shatter
74	294901	6428881	Flaked piece	**703**	293443	6427047	Bidirectional core	**1332**	294742	6428086	Complete flake
75	294901	6428881	Proximal flake	**704**	293296	6427102	Flaked piece	**1333**	294743	6428086	Complete flake
76	294901	6428881	Flake shatter	**705**	293285	6427142	Proximal flake	**1334**	294742	6428086	Complete flake
77	294901	6428881	Proximal flake	**706**	293244	6427209	Complete flake	**1335**	294742	6428086	Flake shatter
78	294899	6428881	Complete flake	**707**	293247	6427205	Flake shatter	**1336**	294742	6428086	Flake shatter

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
79	294898	6428881	Flake shatter	**708**	293246	6427206	Proximal flake	**1337**	294743	6428086	Proximal flake
80	294898	6428881	Flake shatter	**709**	293246	6427206	Flake shatter	**1338**	294743	6428086	Proximal flake
81	294898	6428880	Complete flake	**710**	293245	6427205	Complete flake	**1339**	294743	6428086	Flaked piece
82	294899	6428879	Complete flake	**711**	293244	6427205	Complete flake	**1340**	294743	6428086	Flaked piece
83	294898	6428874	Complete flake	**712**	293546	6426893	Flaked piece	**1341**	294743	6428085	Proximal flake
84	294899	6428873	Flake shatter	**713**	293546	6426892	Proximal flake	**1342**	294743	6428086	Flaked piece
85	294898	6428872	Flaked piece	**714**	293545	6426890	Complete flake	**1343**	294743	6428085	Flake shatter
86	294912	6428786	Non-diagnostic	**715**	293543	6426891	Heat shatter	**1344**	294743	6428085	Proximal flake
87	294934	6428777	Proximal flake	**716**	293544	6426897	Flaked piece	**1345**	294743	6428085	Complete flake
88	294891	6428925	Proximal flake	**717**	293544	6426900	Proximal flake	**1346**	294742	6428086	Backed artefact
89	294217	6429002	Complete flake	**718**	293542	6426900	Flake shatter	**1347**	294742	6428086	Flaked piece
90	294214	6429001	Proximal flake	**719**	293542	6426902	Non-diagnostic	**1348**	294743	6428085	Flake shatter
91	294216	6428988	Complete flake	**720**	293540	6426903	Complete flake	**1349**	294743	6428086	Flake shatter
92	294221	6428993	Complete flake	**721**	293540	6426900	Proximal flake	**1350**	294743	6428086	Flake shatter
93	294222	6428990	Proximal flake	**722**	293540	6426898	Flake shatter	**1351**	294743	6428086	Flake shatter
94	294245	6428919	Flake shatter	**723**	293540	6426895	Flaked piece	**1352**	294742	6428086	Proximal flake
95	294245	6428919	Flake shatter	**724**	293541	6426895	Proximal flake	**1353**	294742	6428086	Flaked piece
96	294269	6428942	Non-diagnostic	**725**	293541	6426896	Flake shatter	**1354**	294743	6428086	Flake shatter
97	292912	6429231	Flaked piece	**726**	293542	6426896	Flake shatter	**1355**	294743	6428086	Complete flake
98	292888	6429190	Non-diagnostic	**727**	293542	6426897	Flaked piece	**1356**	294743	6428086	Flake shatter
99	292871	6429159	Flaked piece	**728**	293542	6426898	Complete flake	**1357**	294746	6428085	Complete flake
100	293014	6428837	Complete flake	**729**	293542	6426898	Complete flake	**1358**	294708	6428036	Complete flake
101	293010	6428828	Complete flake	**730**	293541	6426899	Flake shatter	**1359**	294740	6427989	Complete flake
102	293010	6428828	Complete flake	**731**	293541	6426899	Flake shatter	**1360**	294770	6427982	Non-diagnostic
103	292951	6428720	Split flake	**732**	293540	6426898	Proximal flake	**1361**	294770	6427982	Complete flake
104	292951	6428719	Complete flake	**733**	293542	6426898	Heat shatter	**1362**	294770	6427983	Proximal flake
105	292947	6428714	Proximal flake	**734**	293542	6426899	Flake shatter	**1363**	294716	6427853	Complete flake
106	292947	6428714	Complete flake	**735**	293543	6426900	Flake shatter	**1364**	294690	6427634	Proximal flake
107	292946	6428714	Proximal flake	**736**	293543	6426900	Proximal flake	**1365**	294597	6428011	Complete flake
108	292955	6428716	Complete flake	**737**	293543	6426900	Complete flake	**1366**	294595	6428006	Proximal flake
109	292943	6428715	Flaked piece	**738**	293542	6426900	Non-diagnostic	**1367**	294597	6428004	Backed artefact
110	293049	6428661	Flaked piece	**739**	293542	6426900	Proximal flake	**1368**	294598	6428002	Proximal flake
111	293049	6428659	Proximal flake	**740**	293541	6426901	Flake shatter	**1369**	294598	6428002	Complete flake
112	293049	6428658	Proximal flake	**741**	293540	6426901	Complete flake	**1370**	294598	6428002	Tranchet flake core

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
113	293050	6428658	Complete flake	**742**	293540	6426898	Flaked piece	**1371**	294598	6428002	Complete flake
114	293014	6428457	Flake shatter	**743**	293540	6426897	Flake shatter	**1372**	294599	6428002	Flake shatter
115	293037	6428471	Non-diagnostic	**744**	293539	6426898	Flake shatter	**1373**	294599	6428002	Flake shatter
116	293040	6428476	Proximal flake	**745**	293540	6426896	Complete flake	**1374**	294600	6428003	Complete flake
117	293213	6428478	Unidirectional core	**746**	293541	6426896	Flake shatter	**1375**	294586	6427997	Multidirectional core
118	293084	6428080	Proximal flake	**747**	293541	6426896	Flake shatter	**1376**	294535	6427998	Proximal flake
119	293064	6428036	Redirecting flake	**748**	293541	6426896	Complete flake	**1377**	294528	6427990	Multidirectional core
120	292834	6427899	Complete flake	**749**	293541	6426896	Flake shatter	**1378**	294527	6427990	Flake shatter
121	292830	6427903	Non-diagnostic	**750**	293541	6426896	Proximal flake	**1379**	294526	6427993	Flaked piece
122	292826	6427905	Complete flake	**751**	293542	6426896	Flake shatter	**1380**	294328	6428074	Multidirectional core
123	292611	6427623	Misc. retouched flake	**752**	293542	6426896	Complete flake	**1381**	294235	6428011	Flaked piece
124	292619	6427622	Proximal flake	**753**	293542	6426896	Flake shatter	**1382**	294235	6428011	Complete flake
125	292623	6427625	Complete flake	**754**	293542	6426893	Flake shatter	**1383**	294234	6428011	Proximal flake
126	292449	6427616	Complete flake	**755**	293542	6426892	Flaked piece	**1384**	294234	6428011	Complete flake
127	292453	6427608	Non-diagnostic	**756**	293541	6426891	Flaked piece	**1385**	294234	6428011	Complete flake
128	292457	6427612	Flake shatter	**757**	293538	6426896	Complete flake	**1386**	294235	6428008	Flake shatter
129	292233	6427685	Complete flake	**758**	293538	6426897	Complete flake	**1387**	294335	6427875	Complete flake
130	292175	6427763	Non-diagnostic	**759**	293535	6426896	Flake shatter	**1388**	294332	6427874	Flaked piece
131	292176	6427764	Backed artefact	**760**	293534	6426895	Proximal flake	**1389**	294332	6427874	Complete flake
132	292154	6427778	Non-diagnostic	**761**	293534	6426893	Complete flake	**1390**	294332	6427874	Proximal flake
133	292155	6427779	Flaked piece	**762**	293534	6426893	Flake shatter	**1391**	294327	6427868	Complete flake
134	292155	6427781	Non-diagnostic	**763**	293533	6426892	Flake shatter	**1392**	294323	6427867	Proximal flake
135	292146	6427787	Proximal flake	**764**	293532	6426891	Flake shatter	**1393**	294322	6427869	Complete flake
136	292194	6427848	Flake shatter	**765**	293540	6426898	Backed artefact	**1394**	294332	6427889	Unidirectional core
137	292195	6427847	Flaked piece	**766**	293541	6426902	Proximal flake	**1395**	294332	6427889	Multidirectional core
138	292196	6427850	Heat shatter	**767**	293540	6426902	Natural	**1396**	294371	6427908	Unidirectional core
139	292196	6427850	Complete flake	**768**	293541	6426908	Proximal flake	**1397**	294373	6427905	Complete flake
140	292195	6427850	Complete flake	**769**	293543	6426911	Flaked piece	**1398**	294412	6427932	Complete flake
141	292196	6427849	Flaked piece	**770**	293535	6426910	Complete flake	**1399**	294414	6427932	Backed artefact
142	292197	6427850	Complete flake	**771**	293535	6426909	Complete flake	**1400**	294416	6427935	Complete flake
143	292197	6427850	Flake shatter	**772**	293536	6426904	Complete flake	**1401**	294418	6427935	Flaked piece
144	292197	6427851	Complete flake	**773**	293535	6426902	Proximal flake	**1402**	294417	6427935	Non-diagnostic
145	292195	6427851	Flaked piece	**774**	293534	6426900	Flake shatter	**1403**	294419	6427936	Proximal flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
146	292195	6427851	Flake shatter	**775**	293531	6426901	Split flake	**1404**	294412	6427930	Complete flake
147	292195	6427851	Complete flake	**776**	293531	6426902	Proximal flake	**1405**	294410	6427929	Complete flake
148	292195	6427851	Proximal flake	**777**	293532	6426904	Proximal flake	**1406**	294410	6427929	Misc. retouched flake
149	292196	6427852	Flake shatter	**778**	293532	6426905	Flaked piece	**1407**	294410	6427926	Flake shatter
150	292196	6427852	Flake shatter	**779**	293531	6426905	Proximal flake	**1408**	294404	6427920	Complete flake
151	292195	6427851	Flake shatter	**780**	293531	6426906	Heat shatter	**1409**	294403	6427920	Flake shatter
152	292195	6427851	Complete flake	**781**	293528	6426900	Flake shatter	**1410**	294400	6427914	Proximal flake
153	292195	6427851	Flake shatter	**782**	293526	6426905	Complete flake	**1411**	294401	6427912	Split flake
154	292195	6427852	Flake shatter	**783**	293518	6426902	Complete flake	**1412**	294402	6427912	Complete flake
155	292872	6425328	Proximal flake	**784**	293485	6426881	Complete flake	**1413**	294400	6427902	Proximal flake
156	292862	6425365	Misc. retouched flake	**785**	293485	6426880	Natural	**1414**	294401	6427902	Complete flake
157	292862	6425368	Flake shatter	**786**	293482	6426876	Flake shatter	**1415**	294401	6427902	Flaked piece
158	292867	6425375	Proximal flake	**787**	293483	6426875	Non-diagnostic	**1416**	294401	6427902	Flake shatter
159	292865	6425376	Complete flake	**788**	293492	6426875	Complete flake	**1417**	294403	6427900	Multidirectional core
160	292865	6425388	Flake shatter	**789**	293538	6426947	Complete flake	**1418**	294403	6427896	Proximal flake
161	292860	6425402	Complete flake	**790**	293531	6426960	Unidirectional core	**1419**	294403	6427896	Flaked piece
162	292854	6425403	Proximal flake	**791**	293529	6426962	Core fragment	**1420**	294405	6427894	Multidirectional core
163	292832	6425440	Proximal flake	**792**	293503	6427033	Complete flake	**1421**	294406	6427894	Flake shatter
164	292829	6425454	Bidirectional core	**793**	293503	6427046	Complete flake	**1422**	294407	6427892	Multidirectional core
165	292829	6425455	Flaked piece	**794**	293522	6427034	Non-diagnostic	**1423**	294403	6427893	Non-diagnostic
166	292830	6425456	Flaked piece	**795**	293443	6426698	Complete flake	**1424**	294403	6427893	Proximal flake
167	292831	6425455	Complete flake	**796**	294325	6427016	Flaked piece	**1425**	294403	6427892	Heat shatter
168	292831	6425456	Flake shatter	**797**	294324	6427014	Split flake	**1426**	294403	6427892	Flaked piece
169	292831	6425455	Non-diagnostic	**798**	294331	6427026	Multidirectional core	**1427**	294404	6427891	Proximal flake
170	292831	6425455	Non-diagnostic	**799**	294339	6427002	Non-diagnostic	**1428**	294404	6427892	Complete flake
171	292830	6425455	Flaked piece	**800**	294338	6427001	Proximal flake	**1429**	294403	6427876	Tranchet flake core
172	292830	6425455	Heat shatter	**801**	294347	6426989	Flaked piece	**1430**	294404	6427876	Complete flake
173	292830	6425455	Flaked piece	**802**	294348	6426988	Backed artefact	**1431**	294403	6427891	Complete flake
174	292830	6425455	Non-diagnostic	**803**	294348	6426987	Proximal flake	**1432**	294403	6427891	Bidirectional core
175	292830	6425455	Flaked piece	**804**	294349	6426982	Flake shatter	**1433**	294403	6427891	Flake shatter
176	292830	6425455	Flaked piece	**805**	294350	6426970	Complete flake	**1434**	294403	6427891	Flake shatter
177	292830	6425455	Flaked piece	**806**	294350	6426966	Proximal flake	**1435**	294403	6427891	Flaked piece
178	292830	6425455	Flake shatter	**807**	294334	6426958	Flake shatter	**1436**	294403	6427891	Flake shatter

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
179	292830	6425456	Heat shatter	**808**	294336	6426957	Complete flake	**1437**	294403	6427891	Proximal flake
180	292831	6425456	Flaked piece	**809**	294336	6426957	Flake shatter	**1438**	294403	6427891	Proximal flake
181	292831	6425456	Flaked piece	**810**	294336	6426957	Backed artefact	**1439**	294403	6427891	Core fragment
182	292831	6425456	Heat shatter	**811**	294336	6426958	Flake shatter	**1440**	294403	6427891	Flake shatter
183	292830	6425456	Flaked piece	**812**	294337	6426958	Proximal flake	**1441**	294403	6427891	Flaked piece
184	292830	6425456	Complete flake	**813**	294337	6426958	Flaked piece	**1442**	294403	6427891	Flaked piece
185	292830	6425456	Non-diagnostic	**814**	294328	6426958	Flake shatter	**1443**	294403	6427891	Flaked piece
186	292830	6425456	Flaked piece	**815**	294328	6426957	Complete flake	**1444**	294403	6427891	Tranchet flake core
187	292830	6425456	Flaked piece	**816**	294337	6426946	Heat shatter	**1445**	294403	6427891	Proximal flake
188	292830	6425457	Flaked piece	**817**	294338	6426946	Proximal flake	**1446**	294403	6427891	Complete flake
189	292829	6425456	Flaked piece	**818**	294345	6426944	Flake shatter	**1447**	294403	6427891	Non-diagnostic
190	292829	6425456	Flaked piece	**819**	294346	6426944	Complete flake	**1448**	294403	6427891	Flaked piece
191	292828	6425456	Proximal flake	**820**	294346	6426945	Flake shatter	**1449**	294403	6427891	Flake shatter
192	292805	6425503	Flake shatter	**821**	294346	6426945	Heat shatter	**1450**	294403	6427891	Flake shatter
193	292795	6425512	Proximal flake	**822**	294346	6426945	Non-diagnostic	**1451**	294403	6427891	Heat shatter
194	292793	6425513	Multidirectional core	**823**	294346	6426946	Complete flake	**1452**	294402	6427891	Flake shatter
195	292793	6425515	Complete flake	**824**	294347	6426946	Complete flake	**1453**	294402	6427891	Heat shatter
196	292792	6425516	Complete flake	**825**	294335	6426932	Non-diagnostic	**1454**	294403	6427891	Heat shatter
197	292791	6425514	Complete flake	**826**	294353	6426946	Proximal flake	**1455**	294403	6427891	Proximal flake
198	292703	6425619	Flake shatter	**827**	294353	6426946	Heat shatter	**1456**	294403	6427891	Proximal flake
199	292703	6425619	Complete flake	**828**	294387	6427063	Proximal flake	**1457**	294403	6427891	Non-diagnostic
200	292705	6425622	Misc. retouched flake	**829**	294390	6427066	Unidirectional core	**1458**	294402	6427891	Flake shatter
201	292709	6425623	Complete flake	**830**	294391	6427066	Flaked piece	**1459**	294403	6427891	Flaked piece
202	292710	6425621	Flake shatter	**831**	294390	6427066	Non-diagnostic	**1460**	294403	6427891	Complete flake
203	292713	6425626	Flake shatter	**832**	294390	6427068	Proximal flake	**1461**	294403	6427891	Complete flake
204	292713	6425627	Non-diagnostic	**833**	294391	6427069	Flake shatter	**1462**	294402	6427891	Steep-edged scraper
205	292717	6425632	Misc. retouched flake	**834**	294393	6427070	Flaked piece	**1463**	294402	6427891	Split flake
206	292716	6425635	Flake shatter	**835**	294393	6427070	Complete flake	**1464**	294402	6427891	Proximal flake
207	292714	6425654	Complete flake	**836**	294393	6427070	Natural	**1465**	294402	6427891	Proximal flake
208	292712	6425660	Complete flake	**837**	294394	6427071	Proximal flake	**1466**	294402	6427891	Flake shatter
209	292712	6425660	Flaked piece	**838**	294394	6427069	Non-diagnostic	**1467**	294403	6427891	Heat shatter
210	292712	6425660	Flaked piece	**839**	294399	6427077	Flaked piece	**1468**	294403	6427891	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
211	292713	6425661	Flaked piece	**840**	294399	6427077	Flaked piece	**1469**	294403	6427891	Proximal flake
212	292713	6425663	Flake shatter	**841**	294399	6427077	Non-diagnostic	**1470**	294403	6427891	Non-diagnostic
213	292699	6425711	Redirecting flake	**842**	294398	6427079	Heat shatter	**1471**	294402	6427891	Flaked piece
214	292698	6425710	Non-diagnostic	**843**	294398	6427079	Flake shatter	**1472**	294402	6427891	Flake shatter
215	292696	6425713	Flaked piece	**844**	294397	6427080	Flake shatter	**1473**	294402	6427891	Flaked piece
216	292705	6425787	Complete flake	**845**	294397	6427081	Flaked piece	**1474**	294402	6427891	Flake shatter
217	292705	6425787	Complete flake	**846**	294406	6427084	Split flake	**1475**	294402	6427891	Flaked piece
218	292711	6425790	Flake shatter	**847**	294408	6427083	Proximal flake	**1476**	294402	6427891	Flaked piece
219	292711	6425790	Proximal flake	**848**	294409	6427083	Proximal flake	**1477**	294402	6427891	Flaked piece
220	292714	6425797	Proximal flake	**849**	294411	6427083	Complete flake	**1478**	294403	6427891	Flaked piece
221	292715	6425800	Heat shatter	**850**	294413	6427083	Proximal flake	**1479**	294403	6427891	Heat shatter
222	292712	6425809	Flaked piece	**851**	294412	6427084	Proximal flake	**1480**	294402	6427891	Flake shatter
223	292711	6425808	Multidirectional core	**852**	294412	6427084	Core fragment	**1481**	294402	6427891	Flaked piece
224	292708	6425806	Complete flake	**853**	294413	6427084	Flake shatter	**1482**	294404	6427887	Heat shatter
225	292706	6425807	Complete flake	**854**	294413	6427084	Flake shatter	**1483**	294404	6427880	Non-diagnostic
226	292686	6425809	Complete flake	**855**	294413	6427084	Flake shatter	**1484**	294404	6427880	Complete flake
227	292680	6425800	Complete flake	**856**	294411	6427086	Multidirectional core	**1485**	294404	6427882	Flake shatter
228	292664	6425810	Flake shatter	**857**	294410	6427086	Flake shatter	**1486**	294405	6427883	Natural
229	292662	6425811	Complete flake	**858**	294409	6427087	Proximal flake	**1487**	294405	6427879	Complete flake
230	292665	6425804	Complete flake	**859**	294412	6427089	Heat shatter	**1488**	294404	6427879	Complete flake
231	292668	6425798	Flaked piece	**860**	294415	6427090	Flake shatter	**1489**	294404	6427894	Flaked piece
232	292670	6425763	Complete flake	**861**	294414	6427086	Complete flake	**1490**	294404	6427894	Flaked piece
233	292677	6425757	Complete flake	**862**	294414	6427086	Heat shatter	**1491**	294404	6427894	Flaked piece
234	292658	6425676	Multidirectional core	**863**	294414	6427086	Flaked piece	**1492**	294399	6427908	Tranchet flake core
235	292661	6425648	Flaked piece	**864**	294399	6427075	Natural	**1493**	294399	6427908	Flaked piece
236	292724	6425519	Complete flake	**865**	294393	6427071	Flake shatter	**1494**	294403	6427912	Flake shatter
237	292741	6427053	Multidirectional core	**866**	294392	6427065	Non-diagnostic	**1495**	294400	6427913	Flake shatter
238	292871	6427064	Bifacial core	**867**	294387	6427064	Proximal flake	**1496**	294412	6427931	Proximal flake
239	292866	6427069	Unidirectional core	**868**	294340	6427034	Complete flake	**1497**	294413	6427935	Proximal flake
240	292866	6427068	Heat shatter	**869**	294316	6427039	Flake shatter	**1498**	294413	6427936	Flaked piece
241	292850	6427106	Complete flake	**870**	294315	6427040	Complete flake	**1499**	294412	6427936	Natural
242	293091	6426968	Steep-edged scraper	**871**	294315	6427040	Complete flake	**1500**	294412	6427936	Flake shatter
243	293091	6426968	Heat shatter	**872**	294315	6427040	Non-diagnostic	**1501**	294412	6427937	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
244	293089	6426964	Complete flake	**873**	294315	6427040	Complete flake	**1502**	294412	6427938	Flake shatter
245	293089	6426963	Complete flake	**874**	294314	6427040	Complete flake	**1503**	294515	6427926	Proximal flake
246	293367	6426928	Non-diagnostic	**875**	294314	6427040	Complete flake	**1504**	294514	6427926	Complete flake
247	293361	6426921	Unidirectional core	**876**	294315	6427040	Proximal flake	**1505**	294514	6427926	Proximal flake
248	293239	6426772	Complete flake	**877**	294314	6427041	Flake shatter	**1506**	294515	6427926	Flaked piece
249	293148	6426701	Non-diagnostic	**878**	294315	6427041	Flake shatter	**1507**	294516	6427923	Multidirectional core
250	293164	6426569	Proximal flake	**879**	294315	6427041	Flake shatter	**1508**	294516	6427922	Complete flake
251	293162	6426570	Flake shatter	**880**	294315	6427041	Flake shatter	**1509**	294511	6427919	Flake shatter
252	293164	6426570	Complete flake	**881**	294315	6427042	Complete flake	**1510**	294506	6427912	Complete flake
253	293168	6426568	Flaked piece	**882**	294315	6427043	Complete flake	**1511**	294507	6427908	Complete flake
254	293216	6426555	Unidirectional core	**883**	294316	6427043	Flake shatter	**1512**	294507	6427908	Complete flake
255	293217	6426555	Proximal flake	**884**	294317	6427042	Flake shatter	**1513**	294506	6427908	Flake shatter
256	293217	6426554	Non-diagnostic	**885**	294317	6427042	Flaked piece	**1514**	294504	6427908	Complete flake
257	293216	6426555	Flake shatter	**886**	294317	6427040	Heat shatter	**1515**	294498	6427905	Heat shatter
258	293253	6426546	Complete flake	**887**	294252	6427034	Complete flake	**1516**	294495	6427897	Flaked piece
259	293104	6426345	Split flake	**888**	294237	6427022	Flaked piece	**1517**	294494	6427897	Complete flake
260	293151	6426130	Flake shatter	**889**	294374	6426662	Non-diagnostic	**1518**	294495	6427897	Non-diagnostic
261	293151	6426130	Proximal flake	**890**	294376	6426662	Natural	**1519**	294495	6427895	Complete flake
262	293154	6426126	Complete flake	**891**	294549	6426718	Heat shatter	**1520**	294500	6427895	Complete flake
263	293196	6426135	Multidirectional core	**892**	294552	6426718	Hammerstone	**1521**	294495	6427892	Proximal flake
264	293209	6426136	Complete flake	**893**	294457	6426862	Complete flake	**1522**	294495	6427886	Multidirectional core
265	293205	6426141	Complete flake	**894**	294456	6426862	Heat shatter	**1523**	294495	6427886	Flaked piece
266	293205	6426139	Heat shatter	**895**	294349	6427226	Complete flake	**1524**	294488	6427890	Flaked piece
267	293193	6426146	Non-diagnostic	**896**	294349	6427226	Heat shatter	**1525**	294489	6427888	Complete flake
268	293223	6426156	Complete flake	**897**	294422	6427171	Complete flake	**1526**	294520	6427826	Complete flake
269	293510	6426230	Split flake	**898**	294421	6427171	Complete flake	**1527**	294524	6427813	Non-diagnostic
270	293840	6426202	Non-diagnostic	**899**	294422	6427170	Flake shatter	**1528**	294527	6427798	Complete flake
271	293760	6425973	Complete flake	**900**	294425	6427170	Proximal flake	**1529**	294513	6427801	Complete flake
272	293761	6425974	Heat shatter	**901**	294425	6427170	Complete flake	**1530**	294514	6427800	Complete flake
273	293660	6426017	Multidirectional core	**902**	292515	6426575	Complete flake	**1531**	294514	6427798	Complete flake
274	293355	6426076	Multidirectional core	**903**	292516	6426575	Complete flake	**1532**	294517	6427799	Complete flake
275	293333	6426061	Multidirectional core	**904**	292515	6426574	Proximal flake	**1533**	294514	6427800	Complete flake
276	293221	6425909	Proximal flake	**905**	292516	6426573	Proximal flake	**1534**	294513	6427801	Proximal flake
277	293229	6425893	Bifacial core	**906**	292516	6426572	Complete flake	**1535**	294520	6427799	Complete flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
278	293186	6425887	Complete flake	**907**	292517	6426574	Non-diagnostic	**1536**	294513	6427800	Flaked piece
279	293183	6425889	Heat shatter	**908**	292517	6426575	Complete flake	**1537**	294515	6427799	Flake shatter
280	293183	6425889	Complete flake	**909**	292518	6426575	Flaked piece	**1538**	294515	6427799	Complete flake
281	293181	6425890	Complete flake	**910**	292518	6426575	Complete flake	**1539**	294516	6427799	Flaked piece
282	293217	6425846	Complete flake	**911**	292517	6426574	Complete flake	**1540**	294512	6427800	Proximal flake
283	293118	6426016	Proximal flake	**912**	292517	6426574	Flake shatter	**1541**	294512	6427802	Redirecting flake
284	293119	6426016	Flaked piece	**913**	292516	6426574	Flake shatter	**1542**	294518	6427800	Complete flake
285	293119	6426016	Complete flake	**914**	292516	6426573	Complete flake	**1543**	294518	6427797	Flake shatter
286	293120	6426016	Flake shatter	**915**	292516	6426573	Flake shatter	**1544**	294515	6427801	Heat shatter
287	293119	6426016	Complete flake	**916**	292514	6426573	Flake shatter	**1545**	294517	6427801	Flaked piece
288	293118	6426015	Heat shatter	**917**	292514	6426571	Flake shatter	**1546**	294512	6427803	Heat shatter
289	293118	6426015	Complete flake	**918**	292514	6426571	Flake shatter	**1547**	294520	6427797	Complete flake
290	293131	6426027	Proximal flake	**919**	292514	6426572	Complete flake	**1548**	294515	6427800	Flaked piece
291	293133	6426028	Flaked piece	**920**	292514	6426573	Heat shatter	**1549**	294514	6427802	Natural
292	293133	6426028	Complete flake	**921**	292515	6426574	Complete flake	**1550**	294517	6427797	Unidirectional core
293	293133	6426026	Non-diagnostic	**922**	292515	6426574	Flaked piece	**1551**	294524	6427799	Heat shatter
294	293135	6426021	Flaked piece	**923**	292514	6426575	Proximal flake	**1552**	294511	6427802	Complete flake
295	293136	6426031	Non-diagnostic	**924**	292514	6426575	Proximal flake	**1553**	294517	6427799	Complete flake
296	293137	6426032	Misc. retouched flake	**925**	292515	6426575	Flake shatter	**1554**	294517	6427797	Complete flake
297	293137	6426033	Proximal flake	**926**	292517	6426574	Complete flake	**1555**	294516	6427798	Heat shatter
298	293137	6426035	Heat shatter	**927**	292517	6426574	Proximal flake	**1556**	294519	6427798	Flaked piece
299	293112	6426000	Complete flake	**928**	292517	6426574	Backed artefact	**1557**	294515	6427799	Flaked piece
300	293131	6426025	Complete flake	**929**	292517	6426574	Complete flake	**1558**	294520	6427798	Flake shatter
301	293132	6426026	Complete flake	**930**	292517	6426574	Flaked piece	**1559**	294519	6427798	Non-diagnostic
302	293115	6426036	Heat shatter	**931**	292518	6426574	Flaked piece	**1560**	294518	6427797	Bifacial core
303	293116	6426037	Complete flake	**932**	292502	6426597	Complete flake	**1561**	294518	6427800	Proximal flake
304	293118	6426042	Complete flake	**933**	292499	6426599	Non-diagnostic	**1562**	294518	6427799	Complete flake
305	293128	6426053	Non-diagnostic	**934**	292498	6426612	Complete flake	**1563**	294518	6427798	Flaked piece
306	293134	6426050	Proximal flake	**935**	292514	6426572	Non-diagnostic	**1564**	294516	6427801	Flaked piece
307	293136	6426064	Split flake	**936**	292485	6426491	Proximal flake	**1565**	294518	6427800	Heat shatter
308	293139	6426070	Complete flake	**937**	292534	6426439	Complete flake	**1566**	294516	6427801	Flaked piece
309	293140	6426069	Complete flake	**938**	292532	6426443	Bifacial core	**1567**	294516	6427801	Complete flake
310	293141	6426070	Proximal flake	**939**	292539	6426440	Unidirectional core	**1568**	294516	6427800	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
311	293141	6426071	Split flake	**940**	292538	6426440	Complete flake	**1569**	294517	6427799	Split flake
312	293141	6426073	Split flake	**941**	292492	6426317	Complete flake	**1570**	294518	6427797	Heat shatter
313	293141	6426073	Flaked piece	**942**	292492	6426317	Flaked piece	**1571**	294518	6427796	Proximal flake
314	293139	6426078	Non-diagnostic	**943**	292492	6426317	Flake shatter	**1572**	294515	6427800	Heat shatter
315	293130	6426075	Complete flake	**944**	292492	6426318	Flake shatter	**1573**	294517	6427798	Heat shatter
316	293130	6426074	Proximal flake	**945**	292340	6426459	Misc. retouched flake	**1574**	294520	6427798	Complete flake
317	292539	6425913	Proximal flake	**946**	292490	6426510	Bidirectional core	**1575**	294520	6427798	Complete flake
318	292538	6425926	Complete flake	**947**	292382	6426776	Flake shatter	**1576**	294520	6427798	Complete flake
319	292541	6425924	Natural	**948**	292117	6426711	Multidirectional core	**1577**	294519	6427799	Proximal flake
320	292545	6425926	Unidirectional core	**949**	291962	6426699	Steep-edged scraper	**1578**	294518	6427799	Bifacial core
321	292564	6425984	Complete flake	**950**	292072	6426486	Split flake	**1579**	294518	6427799	Unidirectional core
322	292563	6425984	Flake shatter	**951**	292056	6426476	Flaked piece	**1580**	294518	6427797	Multidirectional core
323	292566	6425986	Complete flake	**952**	292057	6426477	Split flake	**1581**	294519	6427799	Proximal flake
324	292567	6425982	Complete flake	**953**	292058	6426477	Heat shatter	**1582**	294519	6427799	Heat shatter
325	292569	6425982	Complete flake	**954**	292052	6426472	Complete flake	**1583**	294514	6427801	Proximal flake
326	292570	6425984	Multidirectional core	**955**	292050	6426471	Complete flake	**1584**	294514	6427801	Proximal flake
327	292572	6425984	Complete flake	**956**	291895	6426054	Proximal flake	**1585**	294519	6427798	Flaked piece
328	292573	6425985	Complete flake	**957**	292138	6425383	Flaked piece	**1586**	294519	6427798	Complete flake
329	292573	6425985	Flake shatter	**958**	292142	6425373	Unidirectional core	**1587**	294519	6427798	Complete flake
330	292576	6425982	Flake shatter	**959**	292143	6425373	Heat shatter	**1588**	294512	6427801	Flaked piece
331	292576	6425980	Flaked piece	**960**	292179	6425370	Non-diagnostic	**1589**	294516	6427800	Flaked piece
332	292576	6425980	Proximal flake	**961**	292188	6425316	Complete flake	**1590**	294517	6427798	Proximal flake
333	292574	6425979	Flake shatter	**962**	292347	6425320	Flaked piece	**1591**	294517	6427798	Flaked piece
334	292575	6425977	Flake shatter	**963**	292344	6425328	Misc. retouched flake	**1592**	294514	6427801	Proximal flake
335	292575	6425977	Complete flake	**964**	292343	6425330	Heat shatter	**1593**	294514	6427801	Complete flake
336	292576	6425976	Heat shatter	**965**	292347	6425327	Flake shatter	**1594**	294514	6427801	Flaked piece
337	292576	6425975	Proximal flake	**966**	292351	6425329	Flaked piece	**1595**	294513	6427801	Flake shatter
338	292573	6425976	Complete flake	**967**	292352	6425329	Natural	**1596**	294512	6427801	Flaked piece
339	292572	6425976	Complete flake	**968**	292354	6425329	Flake shatter	**1597**	294512	6427801	Flake shatter
340	292573	6425975	Multidirectional core	**969**	292357	6425331	Flaked piece	**1598**	294513	6427802	Flake shatter
341	292573	6425975	Tranchet flake core	**970**	292358	6425331	Split flake	**1599**	294514	6427801	Proximal flake
342	292574	6425975	Complete flake	**971**	292361	6425334	Proximal flake	**1600**	294515	6427799	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
343	292574	6425975	Flake shatter	**972**	292362	6425334	Flake shatter	**1601**	294512	6427801	Flake shatter
344	292574	6425975	Flaked piece	**973**	292362	6425335	Split flake	**1602**	294513	6427801	Flaked piece
345	292585	6425967	Complete flake	**974**	292362	6425336	Unidirectional core	**1603**	294518	6427799	Heat shatter
346	292589	6425970	Flake shatter	**975**	292365	6425335	Shell	**1604**	294521	6427799	Proximal flake
347	292589	6425970	Proximal flake	**976**	292367	6425338	Heat shatter	**1605**	294519	6427799	Heat shatter
348	292594	6425969	Flake shatter	**977**	292368	6425340	Heat shatter	**1606**	294514	6427803	Split flake
349	292594	6425968	Heat shatter	**978**	292371	6425343	Non-diagnostic	**1607**	294522	6427798	Flaked piece
350	292586	6425963	Multidirectional core	**979**	292377	6425348	Non-diagnostic	**1608**	294514	6427802	Heat shatter
351	292590	6425961	Complete flake	**980**	292399	6425328	Proximal flake	**1609**	294515	6427803	Proximal flake
352	292591	6425960	Flake shatter	**981**	292405	6425327	Flaked piece	**1610**	294516	6427800	Proximal flake
353	292593	6425960	Flake shatter	**982**	292418	6425331	Proximal flake	**1611**	294512	6427802	Flake shatter
354	292593	6425960	Complete flake	**983**	292406	6425337	Complete flake	**1612**	294510	6427805	Complete flake
355	292595	6425960	Flake shatter	**984**	292411	6425284	Complete flake	**1613**	294515	6427801	Flaked piece
356	292597	6425959	Proximal flake	**985**	292415	6425279	Non-diagnostic	**1614**	294513	6427802	Flaked piece
357	292596	6425948	Split flake	**986**	292415	6425278	Flake shatter	**1615**	294513	6427802	Flake shatter
358	292596	6425948	Complete flake	**987**	292410	6425279	Complete flake	**1616**	294511	6427802	Complete flake
359	292596	6425948	Redirecting flake	**988**	292356	6425321	Flake shatter	**1617**	294512	6427799	Complete flake
360	292596	6425946	Flake shatter	**989**	292358	6425334	Flaked piece	**1618**	294519	6427797	Flake shatter
361	292594	6425944	Core fragment	**990**	292358	6425334	Complete flake	**1619**	294514	6427799	Flaked piece
362	292590	6425940	Proximal flake	**991**	292337	6425328	Complete flake	**1620**	294515	6427798	Complete flake
363	292594	6425944	Heat shatter	**992**	292392	6425471	Heat shatter	**1621**	294514	6427799	Complete flake
364	292593	6425951	Flake shatter	**993**	293806	6428793	Flaked piece	**1622**	294514	6427799	Flaked piece
365	292590	6425933	Notched flake	**994**	293554	6428681	Bifacial core	**1623**	294515	6427799	Complete flake
366	292597	6425977	Flaked piece	**995**	293955	6428616	Unidirectional core	**1624**	294513	6427800	Flaked piece
367	292594	6425980	Natural	**996**	293994	6428522	Unidirectional core	**1625**	294515	6427799	Complete flake
368	292594	6425981	Bidirectional core	**997**	293994	6428525	Flake shatter	**1626**	294514	6427800	Flaked piece
369	292583	6426003	Proximal flake	**998**	294007	6428572	Complete flake	**1627**	294514	6427799	Complete flake
370	292582	6426004	Flake shatter	**999**	294007	6428541	Complete flake	**1628**	294516	6427798	Natural
371	292581	6426004	Flake shatter	**1000**	294038	6428511	Complete flake	**1629**	294512	6427796	Heat shatter
372	292581	6426005	Proximal flake	**1001**	294057	6428430	Complete flake	**1630**	294515	6427798	Proximal flake
373	292581	6426005	Complete flake	**1002**	294057	6428431	Complete flake	**1631**	294513	6427800	Backed artefact
374	292583	6426005	Flake shatter	**1003**	294063	6428434	Complete flake	**1632**	294515	6427797	Complete flake
375	292583	6426007	Proximal flake	**1004**	294057	6428430	Unidirectional core	**1633**	294515	6427796	Flaked piece
376	292583	6426007	Complete flake	**1005**	293958	6428233	Proximal flake	**1634**	294515	6427799	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
377	292583	6426007	Flake shatter	**1006**	293957	6428233	Proximal flake	**1635**	294516	6427798	Flake shatter
378	292583	6426007	Proximal flake	**1007**	293649	6428252	Flake shatter	**1636**	294515	6427798	Heat shatter
379	292584	6426007	Bidirectional core	**1008**	293340	6428474	Complete flake	**1637**	294516	6427797	Complete flake
380	292579	6426009	Flaked piece	**1009**	293445	6428171	Flake shatter	**1638**	294513	6427798	Complete flake
381	292577	6426011	Edge-ground axe	**1010**	293463	6428159	Flake shatter	**1639**	294514	6427799	Complete flake
382	292580	6426026	Heat shatter	**1011**	293464	6428160	Complete flake	**1640**	294516	6427798	Flaked piece
383	292574	6426039	Complete flake	**1012**	293471	6428162	Proximal flake	**1641**	294514	6427799	Heat shatter
384	292623	6426033	Complete flake	**1013**	293470	6428162	Non-diagnostic	**1642**	294513	6427801	Flaked piece
385	292626	6426035	Complete flake	**1014**	293470	6428163	Flaked piece	**1643**	294518	6427798	Flaked piece
386	292627	6426035	Flake shatter	**1015**	293671	6427985	Complete flake	**1644**	294503	6427780	Complete flake
387	292627	6426035	Complete flake	**1016**	293645	6428007	Flaked piece	**1645**	294502	6427777	Complete flake
388	292635	6426034	Complete flake	**1017**	293718	6427954	Unidirectional core	**1646**	294505	6427771	Complete flake
389	292637	6426033	Complete flake	**1018**	293720	6427949	Flaked piece	**1647**	294505	6427770	Heat shatter
390	292645	6426033	Natural	**1019**	293720	6427951	Flake shatter	**1648**	294505	6427771	Non-diagnostic
391	292645	6426029	Complete flake	**1020**	293758	6427967	Flaked piece	**1649**	294504	6427751	Non-diagnostic
392	292623	6426028	Flake shatter	**1021**	293762	6427968	Complete flake	**1650**	294520	6427758	Complete flake
393	292624	6426023	Complete flake	**1022**	293761	6427968	Complete flake	**1651**	294520	6427758	Flake shatter
394	292626	6426023	Complete flake	**1023**	293761	6427968	Complete flake	**1652**	294520	6427758	Complete flake
395	292629	6426023	Multidirectional core	**1024**	293760	6427967	Complete flake	**1653**	294520	6427758	Proximal flake
396	292625	6426017	Complete flake	**1025**	293760	6427968	Flake shatter	**1654**	294520	6427758	Complete flake
397	292626	6426011	Flaked piece	**1026**	293760	6427968	Complete flake	**1655**	294520	6427758	Complete flake
398	292627	6426006	Complete flake	**1027**	293760	6427969	Complete flake	**1656**	294520	6427758	Non-diagnostic
399	292632	6425991	Flaked piece	**1028**	293760	6427969	Complete flake	**1657**	294520	6427758	Flake shatter
400	292636	6425979	Complete flake	**1029**	293760	6427969	Flaked piece	**1658**	294520	6427758	Complete flake
401	292632	6425976	Flake shatter	**1030**	293760	6427969	Flake shatter	**1659**	294520	6427758	Flaked piece
402	292630	6425971	Multidirectional core	**1031**	293760	6427969	Non-diagnostic	**1660**	294520	6427758	Complete flake
403	292636	6425972	Core fragment	**1032**	293760	6427969	Flake shatter	**1661**	294520	6427758	Complete flake
404	292636	6425966	Backed artefact	**1033**	293760	6427969	Split flake	**1662**	294515	6427738	Heat shatter
405	292635	6425965	Proximal flake	**1034**	293761	6427969	Non-diagnostic	**1663**	294515	6427737	Multidirectional core
406	292636	6425965	Flake shatter	**1035**	293761	6427969	Flaked piece	**1664**	294515	6427734	Complete flake
407	292636	6425966	Flaked piece	**1036**	293761	6427969	Complete flake	**1665**	294511	6427731	Complete flake
408	292636	6425966	Flaked piece	**1037**	293760	6427968	Proximal flake	**1666**	294509	6427731	Proximal flake
409	292637	6425966	Complete flake	**1038**	293760	6427968	Misc. retouched flake	**1667**	294509	6427731	Split flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
410	292638	6425966	Complete flake	**1039**	293759	6427968	Round-edged scraper	**1668**	294509	6427731	Complete flake
411	292638	6425965	Flake shatter	**1040**	293759	6427969	Complete flake	**1669**	294509	6427731	Complete flake
412	292638	6425966	Flaked piece	**1041**	293759	6427970	Flake shatter	**1670**	294509	6427731	Complete flake
413	292637	6425966	Flaked piece	**1042**	293759	6427970	Complete flake	**1671**	294509	6427731	Complete flake
414	292636	6425967	Complete flake	**1043**	293759	6427968	Flaked piece	**1672**	294509	6427731	Flake shatter
415	292636	6425967	Flake shatter	**1044**	293758	6427965	Complete flake	**1673**	294509	6427731	Heat shatter
416	292636	6425968	Flaked piece	**1045**	293756	6427963	Hammerstone	**1674**	294509	6427731	Complete flake
417	292635	6425968	Flake shatter	**1046**	293763	6427965	Unidirectional core	**1675**	294507	6427730	Complete flake
418	292635	6425968	Flaked piece	**1047**	293894	6427813	Complete flake	**1676**	294507	6427730	Complete flake
419	292635	6425969	Backed artefact	**1048**	294000	6427739	Non-diagnostic	**1677**	294507	6427730	Complete flake
420	292635	6425969	Flake shatter	**1049**	294061	6427740	Heat shatter	**1678**	294507	6427730	Complete flake
421	292633	6425962	Flake shatter	**1050**	294097	6427736	Flake shatter	**1679**	294507	6427730	Proximal flake
422	292632	6425959	Core fragment	**1051**	294126	6427723	Non-diagnostic	**1680**	294507	6427730	Proximal flake
423	292633	6425958	Split flake	**1052**	294125	6427731	Complete flake	**1681**	294507	6427730	Complete flake
424	292633	6425958	Complete flake	**1053**	294128	6427765	Complete flake	**1682**	294507	6427730	Redirecting flake
425	292633	6425958	Misc. retouched flake	**1054**	294129	6427764	Complete flake	**1683**	294507	6427730	Heat shatter
426	292633	6425956	Complete flake	**1055**	294178	6427790	Unidirectional core	**1684**	294507	6427730	Complete flake
427	292630	6425955	Flaked piece	**1056**	294158	6427734	Complete flake	**1685**	294507	6427730	Non-diagnostic
428	292628	6425953	Proximal flake	**1057**	294224	6427735	Complete flake	**1686**	294507	6427730	Flaked piece
429	292629	6425951	Complete flake	**1058**	294222	6427740	Natural	**1687**	294507	6427730	Flaked piece
430	292629	6425952	Flake shatter	**1059**	294124	6427438	Non-diagnostic	**1688**	294507	6427730	Complete flake
431	292629	6425952	Flaked piece	**1060**	293889	6427479	Complete flake	**1689**	294507	6427730	Flake shatter
432	292629	6425952	Flake shatter	**1061**	293487	6427534	Non-diagnostic	**1690**	294507	6427730	Backed artefact
433	292631	6425952	Complete flake	**1062**	293534	6427712	Proximal flake	**1691**	294507	6427730	Complete flake
434	292632	6425951	Flake shatter	**1063**	293510	6427711	Complete flake	**1692**	294507	6427730	Complete flake
435	292632	6425951	Flake shatter	**1064**	293480	6427719	Heat shatter	**1693**	294507	6427730	Complete flake
436	292634	6425951	Complete flake	**1065**	293479	6427720	Flake shatter	**1694**	294507	6427730	Complete flake
437	292630	6425949	Complete flake	**1066**	293479	6427720	Flaked piece	**1695**	294507	6427730	Complete flake
438	292629	6425949	Flake shatter	**1067**	293479	6427720	Complete flake	**1696**	294507	6427730	Complete flake
439	292630	6425948	Complete flake	**1068**	293479	6427720	Complete flake	**1697**	294507	6427730	Flake shatter
440	292632	6425946	Complete flake	**1069**	293478	6427719	Proximal flake	**1698**	294507	6427730	Complete flake
441	292628	6425949	Split flake	**1070**	293479	6427718	Flaked piece	**1699**	294507	6427730	Complete flake
442	292628	6425949	Flake shatter	**1071**	293419	6427883	Multidirectional core	**1700**	294507	6427730	Natural

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
443	292628	6425948	Complete flake	**1072**	293406	6427882	Flaked piece	**1701**	294507	6427730	Complete flake
444	292630	6425946	Unidirectional core	**1073**	292938	6425048	Complete flake	**1702**	294507	6427730	Non-diagnostic
445	292630	6425946	Flaked piece	**1074**	292938	6425049	Complete flake	**1703**	294507	6427730	Heat shatter
446	292630	6425946	Proximal flake	**1075**	292938	6425049	Proximal flake	**1704**	294507	6427730	Flaked piece
447	292631	6425947	Multidirectional core	**1076**	292939	6425049	Flaked piece	**1705**	294507	6427730	Proximal flake
448	292629	6425945	Complete flake	**1077**	292939	6425048	Flaked piece	**1706**	294507	6427730	Flaked piece
449	292626	6425946	Multidirectional core	**1078**	292939	6425048	Flaked piece	**1707**	294507	6427730	Flake shatter
450	292626	6425945	Core fragment	**1079**	292936	6425049	Flaked piece	**1708**	294507	6427730	Proximal flake
451	292628	6425941	Bidirectional core	**1080**	292933	6425049	Complete flake	**1709**	294507	6427730	Flaked piece
452	292628	6425941	Flaked piece	**1081**	292933	6425049	Complete flake	**1710**	294507	6427730	Flaked piece
453	292628	6425941	Proximal flake	**1082**	292931	6425052	Proximal flake	**1711**	294507	6427730	Non-diagnostic
454	292630	6425942	Complete flake	**1083**	292932	6425053	Complete flake	**1712**	294507	6427730	Non-diagnostic
455	292630	6425942	Proximal flake	**1084**	292931	6425054	Proximal flake	**1713**	294507	6427730	Natural
456	292632	6425940	Flaked piece	**1085**	292931	6425055	Proximal flake	**1714**	294507	6427730	Heat shatter
457	292632	6425940	Flake shatter	**1086**	292931	6425055	Proximal flake	**1715**	294497	6427723	Complete flake
458	292633	6425940	Flaked piece	**1087**	292931	6425055	Complete flake	**1716**	294497	6427723	Flaked piece
459	292633	6425940	Complete flake	**1088**	292930	6425058	Flaked piece	**1717**	294497	6427723	Heat shatter
460	292633	6425940	Complete flake	**1089**	292930	6425057	Heat shatter	**1718**	294497	6427723	Complete flake
461	292633	6425940	Complete flake	**1090**	292922	6425059	Unidirectional core	**1719**	294497	6427723	Complete flake
462	292633	6425939	Heat shatter	**1091**	292926	6425063	Misc. retouched flake	**1720**	294497	6427723	Proximal flake
463	292633	6425939	Proximal flake	**1092**	292924	6425066	Flaked piece	**1721**	294497	6427723	Flaked piece
464	292634	6425937	Flake shatter	**1093**	292923	6425067	Proximal flake	**1722**	294497	6427723	Flaked piece
465	292634	6425936	Complete flake	**1094**	292928	6425067	Complete flake	**1723**	294497	6427723	Flaked piece
466	292633	6425935	Flake shatter	**1095**	292928	6425069	Complete flake	**1724**	294497	6427723	Unidirectional core
467	292634	6425936	Flake shatter	**1096**	292930	6425074	Complete flake	**1725**	294486	6427717	Complete flake
468	292634	6425935	Flaked piece	**1097**	292932	6425082	Complete flake	**1726**	294486	6427717	Flaked piece
469	292635	6425934	Flake shatter	**1098**	292932	6425082	Non-diagnostic	**1727**	294486	6427717	Complete flake
470	292631	6425933	Proximal flake	**1099**	292933	6425084	Flaked piece	**1728**	294486	6427717	Complete flake
471	292632	6425932	Complete flake	**1100**	292933	6425090	Complete flake	**1729**	294486	6427717	Complete flake
472	292632	6425932	Flaked piece	**1101**	292933	6425090	Split flake	**1730**	294486	6427717	Flake shatter
473	292632	6425932	Complete flake	**1102**	292932	6425090	Flaked piece	**1731**	294486	6427717	Complete flake
474	292632	6425932	Split flake	**1103**	292932	6425093	Flake shatter	**1732**	294486	6427717	Complete flake
475	292633	6425931	Heat shatter	**1104**	292932	6425094	Complete flake	**1733**	294486	6427717	Complete flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
476	292635	6425929	Complete flake	**1105**	292931	6425094	Split flake	**1734**	294486	6427717	Flake shatter
477	292635	6425929	Complete flake	**1106**	292931	6425096	Flake shatter	**1735**	294486	6427717	Flake shatter
478	292636	6425929	Flake shatter	**1107**	292932	6425096	Flaked piece	**1736**	294486	6427717	Complete flake
479	292636	6425929	Flaked piece	**1108**	292933	6425097	Proximal flake	**1737**	294486	6427717	Backed artefact
480	292636	6425926	Flake shatter	**1109**	292932	6425099	Complete flake	**1738**	294486	6427717	Flake shatter
481	292636	6425925	Multidirecti onal core	**1110**	292345	6425009	Non-diagnostic	**1739**	294486	6427717	Flaked piece
482	292636	6425924	Split flake	**1111**	292189	6425105	Complete flake	**1740**	294486	6427717	Complete flake
483	292636	6425924	Flake shatter	**1112**	292399	6425121	Complete flake	**1741**	294486	6427717	Flake shatter
484	292634	6425919	Complete flake	**1113**	294134	6428832	Complete flake	**1742**	294486	6427717	Flake shatter
485	292635	6425919	Flaked piece	**1114**	294405	6428759	Flake shatter	**1743**	294486	6427717	Backed artefact
486	292637	6425919	Flake shatter	**1115**	294394	6428757	Steep-edged scraper	**1744**	294486	6427717	Non-diagnostic
487	292638	6425918	Flake shatter	**1116**	294394	6428757	Complete flake	**1745**	294486	6427717	Non-diagnostic
488	292638	6425917	Complete flake	**1117**	294452	6428653	Flake shatter	**1746**	294471	6427712	Complete flake
489	292636	6425917	Flake shatter	**1118**	294453	6428653	Complete flake	**1747**	294471	6427712	Complete flake
490	292636	6425917	Flaked piece	**1119**	294455	6428645	Flaked piece	**1748**	294471	6427712	Complete flake
491	292635	6425917	Proximal flake	**1120**	294454	6428650	Flaked piece	**1749**	294471	6427712	Complete flake
492	292635	6425916	Natural	**1121**	294454	6428647	Complete flake	**1750**	294471	6427712	Flake shatter
493	292635	6425916	Flake shatter	**1122**	294460	6428645	Flaked piece	**1751**	294471	6427712	Complete flake
494	292636	6425916	Complete flake	**1123**	294461	6428646	Tranchet flake core	**1752**	294471	6427712	Flaked piece
495	292637	6425915	Flaked piece	**1124**	294461	6428640	Proximal flake	**1753**	294471	6427712	Complete flake
496	292638	6425915	Flake shatter	**1125**	294462	6428641	Tranchet flake core	**1754**	294471	6427712	Complete flake
497	292638	6425913	Proximal flake	**1126**	294456	6428643	Complete flake	**1755**	294471	6427712	Flaked piece
498	292637	6425914	Multidirecti onal core	**1127**	294457	6428644	Complete flake	**1756**	294471	6427712	Backed artefact
499	292639	6425914	Flaked piece	**1128**	294463	6428552	Flake shatter	**1757**	294471	6427712	Complete flake
500	292637	6425914	Flake shatter	**1129**	294466	6428555	Proximal flake	**1758**	294471	6427712	Complete flake
501	292636	6425915	Complete flake	**1130**	294467	6428554	Proximal flake	**1759**	294471	6427712	Complete flake
502	292636	6425915	Proximal flake	**1131**	294490	6428578	Core fragment	**1760**	294471	6427712	Complete flake
503	292636	6425914	Multidirecti onal core	**1132**	294519	6428547	Complete flake	**1761**	294471	6427712	Flake shatter
504	292637	6425916	Complete flake	**1133**	294516	6428550	Flake shatter	**1762**	294471	6427712	Flake shatter
505	292634	6425911	Natural	**1134**	294516	6428552	Proximal flake	**1763**	294471	6427712	Flake shatter
506	292639	6425910	Backed artefact	**1135**	294513	6428489	Proximal flake	**1764**	294471	6427712	Complete flake
507	292638	6425908	Heat shatter	**1136**	294468	6428474	Bifacial core	**1765**	294471	6427712	Flake shatter
508	292635	6425908	Proximal flake	**1137**	294471	6428468	Complete flake	**1766**	294471	6427712	Flake shatter

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
509	292635	6425907	Flake shatter	**1138**	294471	6428468	Misc. retouched flake	**1767**	294471	6427712	Proximal flake
510	292634	6425904	Flake shatter	**1139**	294471	6428468	Complete flake	**1768**	294471	6427712	Complete flake
511	292634	6425904	Flaked piece	**1140**	294525	6428439	Flaked piece	**1769**	294471	6427712	Non-diagnostic
512	292634	6425904	Complete flake	**1141**	294526	6428440	Proximal flake	**1770**	294471	6427712	Proximal flake
513	292633	6425904	Proximal flake	**1142**	294525	6428436	Complete flake	**1771**	294471	6427712	Split flake
514	292632	6425904	Flake shatter	**1143**	294582	6428437	Flake shatter	**1772**	294471	6427712	Complete flake
515	292629	6425901	Complete flake	**1144**	294582	6428391	Complete flake	**1773**	294471	6427712	Flaked piece
516	292629	6425901	Complete flake	**1145**	294556	6428375	Complete flake	**1774**	294471	6427712	Complete flake
517	292628	6425901	Complete flake	**1146**	294552	6428378	Complete flake	**1775**	294471	6427712	Flaked piece
518	292628	6425901	Proximal flake	**1147**	294553	6428375	Complete flake	**1776**	294471	6427712	Non-diagnostic
519	292630	6425900	Flake shatter	**1148**	294553	6428376	Complete flake	**1777**	294471	6427712	Natural
520	292630	6425899	Non-diagnostic	**1149**	294555	6428377	Complete flake	**1778**	294471	6427712	Flake shatter
521	292630	6425898	Flaked piece	**1150**	294555	6428377	Flaked piece	**1779**	294471	6427712	Flake shatter
522	292627	6425897	Flaked piece	**1151**	294215	6428446	Proximal flake	**1780**	294471	6427712	Flaked piece
523	292626	6425897	Heat shatter	**1152**	294215	6428446	Flaked piece	**1781**	294471	6427712	Flaked piece
524	292626	6425898	Flaked piece	**1153**	294215	6428446	Complete flake	**1782**	294471	6427712	Complete flake
525	292626	6425898	Flaked piece	**1154**	294215	6428446	Proximal flake	**1783**	294471	6427712	Proximal flake
526	292625	6425897	Proximal flake	**1155**	294215	6428446	Flake shatter	**1784**	294471	6427712	Flaked piece
527	292625	6425896	Flake shatter	**1156**	294222	6428477	Flaked piece	**1785**	294471	6427712	Flaked piece
528	292625	6425896	Complete flake	**1157**	294231	6428501	Proximal flake	**1786**	294471	6427712	Non-diagnostic
529	292625	6425896	Flake shatter	**1158**	294233	6428502	Non-diagnostic	**1787**	294471	6427712	Heat shatter
530	292623	6425896	Flaked piece	**1159**	294236	6428503	Proximal flake	**1788**	294471	6427712	Flaked piece
531	292623	6425896	Flake shatter	**1160**	294236	6428502	Complete flake	**1789**	294471	6427712	Complete flake
532	292622	6425896	Flaked piece	**1161**	294236	6428503	Flaked piece	**1790**	294471	6427712	Flake shatter
533	292617	6425895	Natural	**1162**	294236	6428503	Complete flake	**1791**	294471	6427712	Flaked piece
534	292617	6425896	Proximal flake	**1163**	294235	6428503	Proximal flake	**1792**	294471	6427712	Flaked piece
535	292616	6425897	Complete flake	**1164**	294237	6428502	Complete flake	**1793**	294450	6427697	Flake shatter
536	292616	6425897	Heat shatter	**1165**	294237	6428503	Proximal flake	**1794**	294451	6427698	Complete flake
537	292615	6425898	Complete flake	**1166**	294239	6428503	Flaked piece	**1795**	294457	6427694	Complete flake
538	292613	6425899	Heat shatter	**1167**	294239	6428502	Complete flake	**1796**	294466	6427696	Natural
539	292613	6425898	Flake shatter	**1168**	294239	6428502	Flaked piece	**1797**	294467	6427697	Redirecting flake
540	292611	6425898	Proximal flake	**1169**	294240	6428502	Flaked piece	**1798**	294470	6427700	Flake shatter
541	292611	6425897	Complete flake	**1170**	294236	6428501	Flake shatter	**1799**	294464	6427690	Redirecting flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
542	292611	6425896	Flake shatter	**1171**	294235	6428500	Complete flake	**1800**	294457	6427690	Heat shatter
543	292612	6425896	Flake shatter	**1172**	294235	6428499	Complete flake	**1801**	294452	6427690	Complete flake
544	292613	6425896	Complete flake	**1173**	294235	6428498	Flaked piece	**1802**	294454	6427687	Complete flake
545	292615	6425895	Flaked piece	**1174**	294245	6428495	Non-diagnostic	**1803**	294449	6427686	Flake shatter
546	292615	6425895	Complete flake	**1175**	294248	6428502	Core fragment	**1804**	294451	6427671	Complete flake
547	292615	6425895	Proximal flake	**1176**	294276	6428495	Complete flake	**1805**	294451	6427671	Complete flake
548	292617	6425896	Natural	**1177**	294310	6428479	Multidirectional core	**1806**	294451	6427671	Complete flake
549	292618	6425895	Complete flake	**1178**	294310	6428473	Complete flake	**1807**	294451	6427671	Complete flake
550	292616	6425894	Complete flake	**1179**	294330	6428472	Complete flake	**1808**	294451	6427671	Flake shatter
551	292616	6425894	Split flake	**1180**	294232	6428502	Flaked piece	**1809**	294451	6427671	Core fragment
552	292616	6425893	Flaked piece	**1181**	294230	6428506	Multidirectional core	**1810**	294451	6427671	Core fragment
553	292615	6425893	Proximal flake	**1182**	294229	6428506	Flake shatter	**1811**	294451	6427671	Flaked piece
554	292615	6425893	Complete flake	**1183**	294236	6428500	Multidirectional core	**1812**	294451	6427671	Flake shatter
555	292613	6425894	Multidirectional core	**1184**	294233	6428492	Complete flake	**1813**	294451	6427671	Complete flake
556	292612	6425895	Complete flake	**1185**	294237	6428567	Flake shatter	**1814**	294451	6427671	Flaked piece
557	292612	6425893	Misc. retouched flake	**1186**	294243	6428542	Proximal flake	**1815**	294451	6427671	Flaked piece
558	292613	6425893	Complete flake	**1187**	294244	6428542	Complete flake	**1816**	294451	6427671	Proximal flake
559	292613	6425893	Flake shatter	**1188**	294545	6428283	Complete flake	**1817**	294451	6427671	Flake shatter
560	292614	6425893	Core fragment	**1189**	294545	6428283	Non-diagnostic	**1818**	294452	6427666	Complete flake
561	292614	6425893	Flake shatter	**1190**	294545	6428278	Flake shatter	**1819**	294446	6427670	Complete flake
562	292614	6425892	Proximal flake	**1191**	294546	6428278	Non-diagnostic	**1820**	294446	6427669	Proximal flake
563	292614	6425892	Flake shatter	**1192**	294547	6428277	Complete flake	**1821**	294446	6427668	Flake shatter
564	292615	6425891	Backed artefact	**1193**	294546	6428277	Complete flake	**1822**	294445	6427667	Non-diagnostic
565	292615	6425890	Flake shatter	**1194**	294546	6428277	Flake shatter	**1823**	294443	6427667	Complete flake
566	292615	6425890	Complete flake	**1195**	294546	6428277	Proximal flake	**1824**	294444	6427671	Natural
567	292615	6425890	Flake shatter	**1196**	294546	6428277	Complete flake	**1825**	294445	6427673	Natural
568	292615	6425889	Complete flake	**1197**	294547	6428277	Non-diagnostic	**1826**	294445	6427673	Heat shatter
569	292615	6425890	Unidirectional core	**1198**	294547	6428277	Non-diagnostic	**1827**	294445	6427673	Complete flake
570	292616	6425891	Flake shatter	**1199**	294548	6428277	Flake shatter	**1828**	294441	6427670	Complete flake
571	292617	6425890	Flake shatter	**1200**	294549	6428277	Flaked piece	**1829**	294438	6427670	Flaked piece
572	292617	6425891	Flaked piece	**1201**	294548	6428277	Complete flake	**1830**	294407	6427653	Complete flake
573	292617	6425889	Complete flake	**1202**	294548	6428278	Complete flake	**1831**	294407	6427653	Flaked piece
574	292616	6425889	Complete flake	**1203**	294548	6428281	Flaked piece	**1832**	294407	6427652	Flaked piece

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
575	292616	6425889	Complete flake	**1204**	294548	6428267	Flaked piece	**1833**	294401	6427649	Heat shatter
576	292616	6425889	Proximal flake	**1205**	294547	6428276	Non-diagnostic	**1834**	294396	6427649	Complete flake
577	292616	6425889	Complete flake	**1206**	294547	6428275	Flake shatter	**1835**	294389	6427644	Complete flake
578	292616	6425889	Complete flake	**1207**	294555	6428275	Proximal flake	**1836**	294389	6427643	Redirecting flake
579	292616	6425889	Complete flake	**1208**	294511	6428271	Multidirectional core	**1837**	294388	6427643	Complete flake
580	292615	6425889	Bidirectional core	**1209**	294801	6428429	Non-diagnostic	**1838**	294388	6427643	Complete flake
581	292615	6425889	Complete flake	**1210**	294800	6428431	Complete flake	**1839**	294374	6427648	Split flake
582	292614	6425889	Proximal flake	**1211**	294802	6428437	Flaked piece	**1840**	294372	6427647	Backed artefact
583	292614	6425889	Redirecting flake	**1212**	294874	6428451	Misc. retouched flake	**1841**	294324	6427703	Core fragment
584	292614	6425889	Complete flake	**1213**	294876	6428450	Flake shatter	**1842**	294410	6427725	Complete flake
585	292614	6425889	Complete flake	**1214**	294878	6428451	Proximal flake	**1843**	294409	6427725	Complete flake
586	292614	6425889	Flake shatter	**1215**	294919	6428492	Complete flake	**1844**	294409	6427722	Flaked piece
587	292614	6425889	Flake shatter	**1216**	294920	6428552	Flaked piece	**1845**	294409	6427722	Complete flake
588	292614	6425891	Proximal flake	**1217**	294920	6428555	Flaked piece	**1846**	294409	6427721	Non-diagnostic
589	292615	6425889	Modern	**1218**	294920	6428555	Multidirectional core	**1847**	294413	6427720	Complete flake
590	292615	6425888	Complete flake	**1219**	294920	6428555	Complete flake	**1848**	294413	6427722	Complete flake
591	292615	6425888	Complete flake	**1220**	294920	6428556	Complete flake	**1849**	294413	6427722	Complete flake
592	292615	6425888	Flake shatter	**1221**	294920	6428556	Flaked piece	**1850**	294445	6427772	Complete flake
593	292615	6425888	Heat shatter	**1222**	294921	6428556	Complete flake	**1851**	294429	6427804	Complete flake
594	292616	6425887	Proximal flake	**1223**	294922	6428556	Flake shatter	**1852**	294424	6427804	Proximal flake
595	292617	6425887	Heat shatter	**1224**	294923	6428555	Flake shatter	**1853**	294424	6427805	Complete flake
596	292616	6425887	Modern	**1225**	294923	6428555	Multidirectional core	**1854**	294423	6427805	Heat shatter
597	292616	6425886	Proximal flake	**1226**	294923	6428555	Tranchet flake core	**1855**	294425	6427807	Complete flake
598	292615	6425886	Flaked piece	**1227**	294923	6428555	Multidirectional core	**1856**	294424	6427807	Flake shatter
599	292615	6425887	Complete flake	**1228**	294923	6428555	Complete flake	**1857**	294292	6427807	Heat shatter
600	292614	6425884	Complete flake	**1229**	294923	6428550	Complete flake	**1858**	294296	6427806	Complete flake
601	292612	6425883	Split flake	**1230**	294925	6428549	Multidirectional core	**1859**	294296	6427806	Heat shatter
602	292612	6425884	Flaked piece	**1231**	294919	6428555	Flake shatter	**1860**	294294	6427806	Flake shatter
603	292612	6425885	Complete flake	**1232**	294917	6428556	Heat shatter	**1861**	294323	6427555	Flake shatter
604	292612	6425886	Complete flake	**1233**	294917	6428555	Bifacial core	**1862**	294362	6427567	Bipolar core
605	292612	6425886	Complete flake	**1234**	294916	6428573	Complete flake	**1863**	294364	6427575	Proximal flake
606	292619	6425875	Complete flake	**1235**	294916	6428574	Flake shatter	**1864**	294367	6427588	Proximal flake
607	292620	6425875	Proximal flake	**1236**	294914	6428578	Complete flake	**1865**	294367	6427590	Complete flake

ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type	ID	GDA E (56)	GDA N (56)	Type
608	292636	6425760	Complete flake	**1237**	294817	6428543	Flaked piece	**1866**	294369	6427595	Proximal flake
609	292625	6425770	Complete flake	**1238**	294614	6428221	Core fragment	**1867**	294370	6427599	Complete flake
610	292556	6425850	Complete flake	**1239**	294622	6428159	Complete flake	**1868**	294425	6427169	Complete flake
611	292556	6425850	Tranchet flake core	**1240**	294619	6428159	Complete flake	**1869**	294425	6427170	Multidirectional core
612	292555	6425849	Heat shatter	**1241**	294621	6428157	Flake shatter	**1870**	294432	6427162	Flake shatter
613	292555	6425849	Natural	**1242**	294620	6428157	Proximal flake	**1871**	294433	6427161	Flake shatter
614	292555	6425849	Heat shatter	**1243**	294579	6428147	Complete flake	**1872**	294429	6427158	Proximal flake
615	292552	6425851	Heat shatter	**1244**	294701	6428080	Misc. retouched flake	**1873**	294427	6427152	Heat shatter
616	292549	6425859	Unidirectional core	**1245**	294708	6428081	Flake shatter	**1874**	294429	6427150	Complete flake
617	292548	6425861	Complete flake	**1246**	294712	6428080	Proximal flake	**1875**	294430	6427151	Flake shatter
618	292548	6425861	Complete flake	**1247**	294723	6428083	Backed artefact	**1876**	294430	6427151	Proximal flake
619	292548	6425861	Proximal flake	**1248**	294733	6428076	Flaked piece	**1877**	294430	6427151	Flake shatter
620	292549	6425861	Flake shatter	**1249**	294730	6428078	Proximal flake	**1878**	294431	6427152	Complete flake
621	292549	6425861	Proximal flake	**1250**	294732	6428076	Split flake	**1879**	294433	6427154	Complete flake
622	292550	6425861	Flaked piece	**1251**	294731	6428077	Heat shatter	**1880**	294433	6427154	Flake shatter
623	292551	6425861	Complete flake	**1252**	294732	6428077	Proximal flake	**1881**	294432	6427153	Complete flake
624	292552	6425861	Multidirectional core	**1253**	294742	6428087	Proximal flake	**1882**	294432	6427153	Heat shatter
625	292552	6425861	Complete flake	**1254**	294744	6428087	Complete flake	**1883**	294432	6427153	Proximal flake
626	292558	6425862	Flaked piece	**1255**	294744	6428085	Proximal flake	**1884**	294432	6427153	Heat shatter
627	292559	6425863	Flake shatter	**1256**	294742	6428085	Flake shatter	**1885**	293944	6429212	Complete flake
628	292565	6425856	Complete flake	**1257**	294743	6428085	Split flake	**1886**	293943	6429213	Complete flake
629	292564	6425855	Complete flake	**1258**	294743	6428085	Complete flake	**1887**	294237	6429320	Flake shatter

**Source - Aboriginal Archaeological Salvage Program (AECOM, October 2016)*

APPENDIX B
REGULATORY CORRESPONDENCE

Planning Services
Resource Assessments
Contact: Jessie Evans
Phone: 9274 6419
Email: jessie.evans@planning.nsw.gov.au

Craig White
Environment and Approval Specialist
Bengalla Mining Company
Locked Bag 5
Muswellbrook NSW 2333

Dear Mr White

Bengalla Coal Mine (SSD 5170)
Management Plans

I refer to Dianne Munro's correspondence from late April and early May 2017 submitting various revised management plans for Bengalla Coal Mine (SSD 5170). I note that the Department recently approved these plans on 3 March 2016. However, Bengalla Mining Company has since revised the plans to address the new activities and requirements approved under modifications 2 and 3, the recommendations from the 2016 Independent Environmental Audit and further adjustments to account for its interactions with Mount Pleasant Coal Mine. Bengalla Mining Company is now seeking the Secretary's approval of the revised plans.

The Department has reviewed the following plans and is satisfied that they meet the relevant requirements under SSD 5170:

- Noise Management Plan version 4 (condition 7 of Schedule 3);
- Blast Management Plan version 5 (condition 15 of Schedule 3);
- Air Quality Management Plan version 4 (condition 20 of Schedule 3);
- Water Management Plan version 6 (condition 25 of Schedule 3);
- Biodiversity Management Plan version 3 and Biodiversity Offset Management Plan version 6 (condition 29 of Schedule 3);
- Aboriginal Cultural Heritage Management Plan version 7 (condition 31 of Schedule 3);
- Historic Heritage Management Plan version 7 (condition 32 of Schedule 3); and
- Rehabilitation Management Plan version 4 (condition 46 of Schedule 3).

Consequently, I wish to advise that the Secretary approves the above plans. Please provide final (untracked) versions of these plans to the Department at your earliest convenience and place a copy of them on your website.

Should you have any questions in relation to this matter, please contact Jessie Evans on the above details.

Yours sincerely

18/08/2017

Matthew Sprott
A/Director Resource Assessments
as nominee of the Secretary

Planning Services
Resource Assessments
Contact: Megan Dawson
Phone: 9274 6391
Email: megan.dawson@planning.nsw.gov.au

Craig White
Environment and Approval Specialist
Bengalla Mining Company
Locked Bag 5
Muswellbrook NSW 2333

Dear Mr White

Bengalla Coal Mine – Management Plans

I refer to your correspondence of 21 March 2017 seeking an extension of time to submit revised management plans for Bengalla Coal Mine (SSD-5170). Following the determination of Modification 3 on 23 December 2016, revised management plans were to be submitted to the Department by 23 March 2017, in accordance with condition 5 of Schedule 5 of SSD-5170.

The Department understands that additional time is required to enable Bengalla Mining Company to also address any recommendations flowing from the completion of the Independent Environmental Audit (IEA) and to consider if further adjustments are required in light of MACH Energy's proposed rail construction.

The Department considers that a single update to address the Modification, IEA and potential interactions with Mt Pleasant is appropriate. Therefore, the Secretary approves the requested extension. Please submit the plans by 12 May 2017.

Should you have any questions in relation to this matter, please contact Megan Dawson on the above details.

Yours sincerely

Howard Reed 21·3·17
Howard Reed
Director Resource Assessments
as the Secretary's nominee

NSW GOVERNMENT | Planning & Environment

Mr Craig White
Environmental and Approvals Specialist
Bengalla Mining Company
Locked Bag 5
MUSWELLBROOK NSW 2333

Dear Mr White,

Bengalla Coal Mine – Management Plan Reviews

I refer to your correspondence of 23 May 2016, seeking a further extension to the period within which the Bengalla Mining Company Pty Ltd (BMC) is required to submit revised management plans that reflect Modification 1 to the Bengalla Continuation Project (SSD 5170).

The Department understands that BMC is now seeking to submit its revised management plans no later than one month after the determination of the proposed Modification 2 to SSD 5170. Should Modification 2 be approved, BMC would submit a consolidated set of management plans that reflect the changes to the mine associated with both modifications.

The Department's assessment of Modification 1 identified changes to the mine plans associated with amendments to BMC's approved surface water infrastructure. Overall, this assessment identified the modification as being generally consistent with the approved operations, with some minor impacts to water management, biodiversity and Aboriginal cultural heritage matters.

Consequently, to reflect the approved amendments to the existing water management system and additional impacts on Aboriginal cultural heritage, the Department requires BMC to submit a revised Water Management Plan and Aboriginal Cultural Heritage Management Plan, prior to undertaking disturbance associated with the activities approved under Modification 1.

With the exception of these two plans, the Department is satisfied that the biodiversity impacts and infrastructure changes approved under Modification 1 can be managed in accordance with the measures outlined in the current versions of the other seven approved management plans for the Bengalla Continuation Project, until such time as revised versions of these plans are approved by the Secretary.

In light of the above, I wish to advise that the Secretary has granted BMC an extension to the timeframes established under condition 5 of Schedule 5 for the submission of revisions to the other seven management plans for the Bengalla Continuation Project. BMC must now submit revised versions of the management plans listed under conditions 7, 15, 20, 29, 32, 37 and 46 of Schedule 4 and the Environmental Management Strategy listed under condition 1 of Schedule 5 to SSD 5170, to the Department within one month of the determination of the current Modification 2 application.

Should you have enquiries about the above, please contact Matthew Sprott, Team Leader Resource Assessments, on 9228 2054.

Yours sincerely

Howard Reed 24.5.16

Howard Reed
Director, Resource Assessments
as the Secretary's nominee

Contact: Scott Brooks
Phone: 6575 3401
Fax: 6575 3415
Email: scott.brooks@planning.nsw.gov.au
Our ref: SSD 5170

Craig White
Environmental and Approvals Specialist
Bengalla Mining Company
Locked Bag 5
MUSWELLBROOK NSW 2333

Dear Craig

Bengalla Mining Company – Approval of Aboriginal Cultural Heritage Management Plan

Thank you for forwarding the new Aboriginal Cultural Heritage Management Plan to the Department of Planning & Environment (the Department or DP&E), as required by Condition 31, Schedule 3 of SSD 5170.

The Department has conducted a review and wishes to advise that the Secretary has approved the ACHMP (Revision 4, dated 25-5-2015).

This Management Plan comes into force on the 1ST June 2015 and remains in force until replaced by any future updated approved Plan. Concurrent with this Plan coming into force, any part of the plan implemented outside the former Consent DA 211/93 consent boundary will require the new consent (SSD 5170) to come into force and become the primary regulatory instrument satisfying the requirements of the EP&A Act.

The Department requests that you place the approved plan, along with a copy of this letter, on your website in accordance with Condition 11, Schedule 5 of SSD 5170, and a copy provided to this office for our records by the 12th June 2015.

If you require further information please do not hesitate to contact Scott Brooks 6575 3401

Yours sincerely

Scott Brooks
Investigations (Lead), Compliance
2-7-5-2015
As Nominee for the Secretary

NSW GOVERNMENT | Office of Environment & Heritage

Your reference: SSD 5170
Our reference: DOC14/40666-02; EF14/1125
Contact: Robert Gibson, 4908 6851

Mr Matthew Sprott
Planning Officer
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

Dear Mr Sprott

RE: BENGALLA MINE CONTINUATION PROJECT (SSD 5170) – REVIEW OF THE 'RESPONSE TO SUBMISSIONS REPORT' AND RECOMMENDED CONDITIONS OF APPROVAL

I refer to your email dated 26 March 2014 seeking comment and recommended conditions for approval for the Response to Submissions Report for the proposed Bengalla Mine Continuation Project (SSD 5170).

The Office of Environment and Heritage (OEH) has reviewed this report for Aboriginal cultural heritage and threatened biodiversity matters. Most of the Aboriginal cultural heritage issues identified in the exhibited Environmental Impact Statement (EIS) are addressed in the Response to Submissions Report. OEH's previous concerns on the test and salvage methodology for site AHIMS #37-2-0579 (B10) have been addressed by the provision of additional information.

The majority of OEH's previous comments on the threatened biodiversity assessment no longer apply as the proponent has opted to use OEH's '13 biodiversity offsets principles' to develop a land-based offset rather than a previously considered cash payment into the Upper Hunter Offsets Fund under the Upper Hunter Strategic Assessment. The offset package is provides large areas of White Box – Yellow Box – Blakely's Red Gum Woodland endangered ecological community, as well as known habitat for most of the threatened species in the development footprint. The offset package also includes other threatened biodiversity values and overall meets OEH's offsetting principles. The Response to Submissions Report included most, but not all, of the additional biodiversity information OEH requested. However, this is no longer an issue due to the offset pathway chosen. Further comments and recommended conditions for approval for this project are provided in **Attachment 1**.

If you require any further information regarding this matter, please contact Robert Gibson, Regional Biodiversity Conservation Officer, on 4908 6851.

Yours sincerely

R Bath 8 MAY 2014

RICHARD BATH
Senior Team Leader Planning, Hunter Central Coast Region
Regional Operations

Enclosure: Attachment 1

PO Box 488G Newcastle NSW 2300
117 Bull Street, Newcastle West NSW 2302
Tel: (02) 4908 6800 Fax: (02) 4908 6810
ABN 30 841 387 271
www.environment.nsw.gov.au

NSW GOVERNMENT | Office of Environment & Heritage

Your reference: Bengalla AHMP 2015.
Our reference: DOC15/146546-01.
Contact: Nicole Davis, 0409 394 343

Mr Jason Martin
Senior Environmental Scientist
Hanson Bailey
PO Box 473
SINGLETON NSW 2330

Dear Mr Martin

REVIEW OF BENGALLA MINE (SSD 5170) - ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Thank you for your correspondence to the Office of Environment and Heritage (OEH) on the 24 April 2015 regarding the preparation of the Aboriginal Cultural Heritage Management Plan for Bengalla Mine (SSD 5170).

Aboriginal Cultural Heritage Management Plans provide a useful tool for companies such as Coal & Allied to use to help ensure that they meet the statutory requirements and that the management strategies for the protection of Aboriginal cultural heritage are clearly identified. OEH has reviewed the Aboriginal Cultural Heritage Management Plan for Bengalla Mine and supports the following archaeological salvage program and associated mitigation measures:

- surface collection of 260 AHIMS registered Aboriginal sites;
- archaeological test and open area excavation within the B10 Quarry Northern Exclusion Zone;
- geomorphological assessments of extant soil profiles and landforms within Northern Exclusion Zone;
- post excavation analyses of any recovered Aboriginal objects;
- reassessment by Registered Aboriginal Parties (RAPs) and an arborist, and potential removal of three scarred trees; and
- production of an archaeological salvage report.

OEH is satisfied that the management measures proposed are adequate and appropriate given the nature of the archaeological record and the range of activities to be undertaken within operational footprint the Bengalla Mine. OEH is also satisfied that adequate consultation with the local Aboriginal community and the RAPs has also been undertaken.

It should be noted however, that OEH requires a copy of the archaeological salvage report for all completed mitigation works as outlined within the ACHMP.

OEH has no additional concerns with respect to Aboriginal cultural heritage management.

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Level 4/26 Honeysuckle Drive Newcastle NSW 2300
ABN 30 841 387 271
www.environment.nsw.gov.au

If you require any further information regarding this matter please contact Nicole Davis, Archaeologist, Hunter Central Coast Region on 0409 394 343.

Yours sincerely

12 MAY 2015

RICHARD BATH
Senior Team Leader Planning, Hunter Central Coast Region
Regional Operations

13 May 2015

Team Leader Compliance
Department of Planning and Environment
Singleton Office – Compliance
Suite 14, Level 1, 1 Civic Ave
SINGLETON NSW 2330

Attention: Scott Brooks

Dear Mr Brooks

BENGALLA MINE – ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Bengalla Mining Company (BMC) was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine. SSD-5170 enables BMC to continue open cut coal mining up to 15 Million tonnes per annum (Mtpa) of run of mine (ROM) coal until 2039.

SSD-5170 Schedule 3, Condition 31 requires BMC to prepare an Aboriginal Cultural Heritage Management Plan (ACHMP) in accordance with its requirements, which states:

Aboriginal Heritage Management Plan

"The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:

(a) be prepared in consultation with OEH and the relevant Aboriginal stakeholders and be submitted to the secretary for approval within 6 months of the date of this consent;

(b) include a program/procedures for:

- *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
- *assessment and removal of scarred trees;*
- *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains identified during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site."*

The ACHMP is required to be prepared in consultation with the relevant Registered Aboriginal Parties (RAPs) and regulatory bodies to the satisfaction of the Secretary.

On 12 March 2015, the draft ACHMP was provided to the RAPs previously identified through the development of the Continuation of Bengalla Mine Environmental Impact Statement (Bengalla EIS). Comments received are discussed in Section 4.2.4 of the ACHMP.

Following consultation with RAPs, a copy of the ACHMP was provided to OEH on 24 April 2015 seeking comments. On 12 May 2015 OEH provided a written response indicating that they were satisfied with the content of the ACHMP (see Section 4.1.2 of the ACHMP and Appendix B).

We look forward to receiving your approval to enable the salvage excavation program as described within the ACHMP to commence.

Should you have any queries in relation to this letter, please contact myself on 02 6575 2010.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

cc Craig White, BMC

APPENDIX C
RAP CORRESPONDENCE

12 March 2015

Aliera French Trading
12 Haydon Street
MUSWELLBROOK NSW 2333

Attention: Aliera French

Dear Aliera

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
>
> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
>
> *(c) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(d) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

We have enclosed a return fax/email pro forma to assist should you wish to use it, however, please provide a letter should you prefer. All responses received by this date will be considered and where appropriate, recommendations from the Aboriginal community will be incorporated into the final ACHMP for submission to the DP&E for approval.

Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Bawurra Consultants
1 Martin Street
BREEZA NSW 2381

Attention: Kevin Sampson

Dear Kevin

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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> *(f) include a program/procedures for:*
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> - *assessment and removal of scarred trees;*
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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Breeza Plains Culture and Heritage Consultants
396 Armidale Road
TAMWORTH NSW 2340

Attention: Terry Matthews

Dear Terry

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Bunda Consultants
23 Cunningham Street
TAMWORTH NSW 2340

Attention: Tammy Knox

Dear Tammy

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Cacatua Cultural Consultants
Unit 1B, 11 Glenwood Drive
THORNTON NSW 2322

Attention: Donna Sampson

Dear Donna

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

D F T V Enterprises
5 Mountbatten Close
RUTHERFORD NSW 2320

Attention: Derrick Vale Sr

Dear Derrick

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Deslee Talbott Consultants
PO Box 808
MUSWELLBROOK NSW 2333

Attention: Deslee Matthews

Dear Deslee

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Gidawaa Walang Cultural Heritage Consultancy
76 Lang Street
KURRI KURRI NSW 2327

Attention: Annie Hickey

Dear Annie

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Hunter Valley Aboriginal Corporation
PO Box 579
MUSWELLBROOK NSW 2333

Attention: Rhonda Griffiths

Dear Rhonda

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Hunter Valley Cultural Surveying
165 Susan Street
SCONE NSW 2337

Attention: Luke Hickey

Dear Luke

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Indigenous Outcomes
33 Clift Street
HEDDON GRETA NSW 2321

Attention: Robert Smith

Dear Robert

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Kauwul (trading as Wonn1 Contracting)
619 Main Road
GLENDALE NSW 2285

Attention: Arthur Fletcher

Dear Arthur

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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> *(y) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(z) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

We have enclosed a return fax/email pro forma to assist should you wish to use it, however, please provide a letter should you prefer. All responses received by this date will be considered and where appropriate, recommendations from the Aboriginal community will be incorporated into the final ACHMP for submission to the DP&E for approval.

Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Kawul Cultural Services
PO Box 817
SINGLETON NSW 2330

Attention: Vicky Slater

Dear Vicky

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
>
> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
>
> *(aa) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(bb) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Myland Cultural & Heritage Group
30 Taurus Street
ELERMORE VALE NSW 2287

Attention: Warren Schillings

Dear Warren

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
>
> *(cc) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(dd) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Ngarramang-Kuri Aboriginal Culture & Heritage Group
21 Bancroft Street
GLENDALE NSW 2285

Attention: Abie Wright

Dear Abie

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
>
> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
>
> *(ee) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(ff) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Roger Noel Matthews Consultancy
15 Parkinson Avenue
MUSWELLBROOK NSW 2333

Attention: Roger Matthews

Dear Roger

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
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> *(gg) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(hh) include a program/procedures for:*
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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Ungooroo Aboriginal Corporation
PO Box 3095
SINGLETON NSW 2330

Attention: Annette Dunstan

Dear Annette

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
>
> *(ii) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(jj) include a program/procedures for:*
>
> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
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As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

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Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Upper Hunter Heritage Consultants
14 Edinglassie Drive
MUSWELLBROOK NSW 2333

Attention: Melissa Matthews

Dear Melissa

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
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> *(kk) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
>
> *(ll) include a program/procedures for:*
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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Upper Hunter Wonnarua Council
PO Box 184
SINGLETON NSW 2330

Attention: Rhoda Perry

Dear Rhoda

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *(mm) be prepared in consultation with OEH and the relevant Aboriginal stakeholders, and submitted to the Secretary for approval within 6 months of the date of this consent;*
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> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Waabi Gabinya Cultural Consultancy
19 Foley Street
MUSWELLBROOK NSW 2333

Attention: Elizabeth Howard

Dear Elizabeth

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Wallangan Cultural Services
29 Anzac Avenue
CESSNOCK NSW 2325

Attention: Maree Waugh

Dear Maree Waugh

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Wanaruah Local Aboriginal Land Council
PO Box 127
MUSWELLBROOK NSW 2333

Attention: Noel Downs

Dear Noel

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Warragil Cultural Services
PO Box 817
SINGLETON NSW 2330

Attention: Aaron Slater

Dear Aaron

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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> *(vv) include a program/procedures for:*
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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Warul Consultants
Unit 4/122 Upper Street
TAMWORTH NSW 2340

Attention: Scott Smith

Dear Scott

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

> ***Aboriginal Heritage Management Plan***
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> *31. "The Applicant shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:*
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> - *salvage, excavation and/or management of Aboriginal sites and potential archaeological deposits within the project disturbance area;*
> - *assessment and removal of scarred trees;*
> - *protection and monitoring of Aboriginal sites outside the project disturbance area;*

- *managing the discovery of any new Aboriginal objects or skeletal remains during the development;*
- *maintaining and managing access to archaeological sites by the relevant Aboriginal stakeholders; and*
- *ongoing consultation and involvement of the relevant Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage on the site.*

As such, in accordance with *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010) comment on the draft ACHMP is sought from you. It would be greatly appreciated if you could please review this draft ACHMP and provide any comments to myself by **Monday, 13 April 2015**.

We have enclosed a return fax/email pro forma to assist should you wish to use it, however, please provide a letter should you prefer. All responses received by this date will be considered and where appropriate, recommendations from the Aboriginal community will be incorporated into the final ACHMP for submission to the DP&E for approval.

Following approval of the ACHMP, I will provide further correspondence requesting your company's assistance and outlining details associated with the proposed Aboriginal archaeological salvage as described within the draft ACHMP.

Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Wattaka Wonnarua Culture Consultants
4 Kennedy Street
SINGLETON NSW 2330

Attention: Des Hickey

Dear Des

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Widescope Indigenous Group Pty Ltd
73 Russell Street
EMU PLAINS NSW 2750

Attention: Steven Hickey

Dear Steven

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Wonnarua Culture Heritage
19 O'Donnell Crescent
METFORD NSW 2323

Attention: Gordon Griffiths

Dear Gordon

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

SSD-5170 requires that an Aboriginal Cultural Heritage Management Plan (ACHMP) be completed in consultation with the Aboriginal community and relevant regulatory bodies. Schedule 3, Condition 31 of SSD-5170 states:

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Thank you again for your support and assistance with this work and we look forward to your ongoing involvement with Bengalla. Should you have any queries in relation to this letter, please contact myself on (02) 6575 2000.

Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Yinarr Cultural Services
111 Westwood Road
GUNGAL NSW 2333

Attention: Kathleen Steward-Kinchela

Dear Kathleen

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

T & G Culture Consultants
19 O'Donnell Crescent
METFORD NSW 2323

Attention: Tony Griffiths

Dear Tony

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

12 March 2015

Aboriginal T/O Surveys
4 Waddal Street
GUNNEDAH NSW 2380

Attention: Greg Griffiths

Dear Greg

Bengalla Mine
Draft Aboriginal Cultural Heritage Management Plan for Comment

Bengalla Mining Company (BMC) operates the Bengalla Mine (Bengalla) which is located approximately 4 km west of Muswellbrook in the Upper Hunter Valley, NSW. BMC was granted Development Consent for State Significant Development (SSD) 5170 on 3 March 2015 by the Secretary of Department of Planning and Environment (DP&E) for the Continuation of Bengalla Mine to enable ongoing mining operations.

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Yours faithfully
HANSEN BAILEY

Jason Martin
Senior Environmental Scientist

Att: *Draft Aboriginal Cultural Heritage Management Plan*
Return fax/email Response Pro Forma

Return Fax: (02) 6575 2001; or

Email: jmartin@hansenbailey.com.au

Attention: Jason Martin

RE: BENGALLA MINE – DRAFT ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Aboriginal Stakeholder Group: GIDAWAA WALANG CULTURAL HERITAGE CONSULTANCY

I have read and have understood the Draft Aboriginal Cultural Heritage Management Plan.
I would like to make the following comments regarding the Draft Aboriginal Cultural Heritage Management Plan:

GIDAWAA WALANG CULTURAL HERITAGE CONSULTANCY SUPPORT THE DRAFT ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN.

Signed in support: A.M.

On behalf of (Group): GIDAWAA WALANG CULTURAL HERITAGE CONSULTANCY

Date: 13 : 4 : 2015

Wonn1
Entity of Kauwul Pty Ltd
619 Main Road Glendale, 2285
PHONE: 0249547751 Mobile: 0402146193
ABN: 27 153 953 363

14 April 2015

Mr J Martin
Senior Environmental Scientist
Hansen Bailey
Po Box 473
SINGLETON NSW 2330
Email: jmartin@hansenbailey.com.au

Dear Jason

RE: BENGALLA MINE – DRAFT ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

In response to your letter dated 12 March 2015 and enclosed draft management plan, we wish to advise that we are in general agreement with the contents of the management plan. However, the management plan does not appear to explain clearly, what are the long term arrangements for the care and protection of the artefacts recovered during salvage and excavation projects within the Bengalla Mine site. This should be addressed in an additional section, probably Section 6.8 or a paragraph added to Section 6.7 following consultation with the other Aboriginal stakeholders.

We appreciate the opportunity to access the recorded sites and the salvaged artefacts and objects for educational and potential ceremonial reasons.

Thank you once again for this opportunity to review the draft Aboriginal Cultural Heritage Management Plan and look forward to being consulted further during the annual review process.

Kind regards

for Arthur C Fletcher
Wonn1 (Kauwul Pty Ltd)

LOCAL ABORIGINAL LAND COUNCIL
WANARUAH

P.O. BOX 127
19 MAITLAND STREET,
MUSWELLBROOK 2333
ABN 33 251 730 169

PH: (02) 6543 1288
(02) 6543 1962
FAX: (02) 6542 5377
EMAIL: wanarua@bigpond.net.au

Jason Martin
Environmental Scientist
HANSEN BAILEY
Email: jmartin@hansenbailey.com.au

Re: Bengalla Draft ACHMP dated 12th March 2015

Dear Jason,

Wanaruah Local Aboriginal Land Council does not support the destruction of any Aboriginal cultural sites, although we do recognise that sometimes this cannot be avoided. We would like to make it clear that our comments here are not to be taken or read as in any way supportive of any destruction of any cultural sites or cultural landscapes within this project.

With reference to the Bengalla Draft ACHMP dated 12th March 2015 we have a concern relating to the ongoing (post study) management of Aboriginal objects and resource materials salvaged under this and previous management plans within the Bengalla Mining Company's project area. If no consideration or consultation has been done in regard to the ongoing (post study) management of Aboriginal objects and resource materials salvaged under this and previous management plans within the Bengalla Mining Company's project area, Wanaruah LALC will only support the management option of them being retained in the Upper Hunter Valley within the Muswellbrook Shire. We believe the provision of resources for the ongoing care, maintenance and management of these Aboriginal objects and resource materials need to be identified as well as the identification of the care and control organisation prior to any salvage, excavation or removal from their existing locations.

Wanaruah LALC would also like to request that should the destruction of the quarry site (B10) in part or in full be unavoidable that the resource materials within that quarry site be relocated to Aboriginal land held in trust by Wanaruah Local Aboriginal Land Council for use and access by the Aboriginal community in cultural activities.

Yours Truly

20 - 4 - 2015

Noel Downs