



BOGGABRI COAL HERITAGE MANAGEMENT PLAN



Revision Control Chart

| Rev No | Original | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------------------|--------------------|---------------------------------|-------------------|-------------------------------|--------------------------------|--------------------------------|--------------|---------------|-----------|------------------------|
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| Signed | | | | | | | | | | |

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|---|--------------------------------------|
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| BCOP | Environment and Community Manager |
| BCOP | General Manager Operations |
| Heritage NSW, Community Engagement Group, Department of Premier & Cabinet | Regional Archaeologist Heritage NSW |
| Department of Planning, Industry and Environment | Senior Planner Resources Assessments |

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Abbreviations

| Abbreviation | |
|-----------------------|--|
| AHIP | Aboriginal Heritage Impact Permit |
| AHIMS | Aboriginal Heritage Information Management System |
| AHIP | Aboriginal Heritage Impact Permit |
| ASCF | Aboriginal Stakeholder Consultative Forum |
| ASIRF | Aboriginal Site Impact Recording Form |
| AHCS | Aboriginal Heritage Conservation Strategy |
| BCEP | Boggabri Coal Expansion Project |
| BCOP | Boggabri Coal Operations Pty Limited |
| BNC Conservation Area | Brigalow and Nandewar Community Conservation Area |
| BNC Act | Brigalow and Nandewar Community Conservation Area Act, 2005 |
| BOA | Biodiversity Offset Area |
| BTM | Boggabri Tarrawonga Maules Creek |
| HMP | Cultural Heritage Management Plan |
| CoA | Conditions of Approval |
| Cwlth | Commonwealth |
| DoPI | Department of Planning and Infrastructure |
| DPHIDPHI | Department of Planning and Environment (previously DoPI) |
| DPIE | Department of Planning Industry & Environment (previously DPHI) |
| DPC | Department of Premier & Cabinet |
| DRE | Division of Resources and Energy |
| EA | Environmental Assessment |
| EMPs | Environmental Management Plans |
| EMS | Environmental Management System |
| EPA | NSW Environmental Protection Agency |
| EPBC Act | Environment Protection and Biodiversity Conservation Act, 1999 |
| EP&A Act | Environmental Planning and Assessment Act, 1979 |
| GPS | Global Positioning System |
| Heritage NSW | Heritage NSW, Community Engagement Group, Department of Premier & Cabinet (formerly OEH) |
| LEP | Local Environmental Plan |
| MOP | Mining Operations Plan |
| Mtpa | Million Tonnes Per Annum |
| OEH | NSW Office of Environment and Heritage |
| PAD | Potential Archaeological Deposit |
| RAPs | Registered Aboriginal Parties |
| ROM | Run of Mine |
| IMT | Indurated mudstone/tuff |

1.0 Introduction

1.1 Background

Boggabri Coal Operations Pty Limited (BCOP) is majority owned (80%) by Idemitsu Australia Resources Pty Limited (Idemitsu), a subsidiary of Japanese company Idemitsu Kosan Pty Ltd which operate the Boggabri Coal Mine. The Boggabri Coal Mine (BCM) is located 15 kilometres (km) north-east of the township of Boggabri in the north-west Region of NSW.

Full scale mining commenced at BCM in 2006. In 2009, BCOP lodged an application for the continuation of BCM (the Boggabri Coal Project). This included an increase of production from five to seven million tonnes of product coal per annum. The Boggabri Coal Project (The Project) was approved under PA 09_0182 (Project Approval) on 18 July 2012 and included:

- construction of a new Coal Handling and Preparation Plant (CHPP)
- construction of a 17 km rail spur line and rail load-out facility
- construction of a high voltage power line (132kV) and associated substations
- upgrade of other ancillary infrastructure.

The Project Approval has been subject to a number of modifications which have been approved including additional activities and facilities, installation of bores and pipelines to address water security, and minor realignment of footprint boundaries.

Schedule 3, Conditions 56 and 57 of the Project Approval requires the preparation of a Cultural Heritage Management Plan (HMP). The Project Approval conditions relating to the requirements for the HMP are provided in Appendix A. A summary of the key relevant statutory requirements in relation to cultural heritage is presented in Appendix B.

BCOP also operates under an approval granted under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) (EPBC Approval 2009/5256).

1.2 Aim and Objectives of this HMP

1.2.1 Aim

The aim of the HMP is to satisfy conditions 56 and 57 of schedule 3 of the Project Approval, including recommendations made by Heritage NSW (formerly the Office of Environment & Heritage). The HMP provides a framework which BCOP assesses, manages, and monitors cultural heritage.

1.2.2 Objectives

The following objectives have been adopted to facilitate the implementation of the HMP:

- BCOP will facilitate an Aboriginal Stakeholders Consultative Forum (ASCF) to enable a review of the matters arising regarding cultural heritage and ongoing management processes and procedures
- The HMP will identify, as far as practicable, Aboriginal and historical objects within The Project Approval boundary

- BCOP will implement the cultural heritage safeguards in the HMP consistently and appropriately
- Provide a consulted and agreed process for BCOP's staff and contractors to follow in managing Aboriginal cultural heritage values. Provide consulted and agreed procedures to address cultural heritage issues arising during the course of mine operation
- Provide suitable conservation measures to conserve those sites that will not be impacted by the project
- Provide suitable conservation measures to protect the cultural values of those sites that will be impacted by the project, until their salvage and/or impact is triggered
- Incorporate a detailed plan for the implementation of the approved Aboriginal Heritage Conservation Strategy (AHCS)
- Provide and plan for consulted protocols for the short- and long-term management of salvaged objects.

1.3 Area Covered by this Management Plan

This HMP covers:

- The Coal Lease area of CL368 and Authorisation 355
- The 'Boggabri Project Approval Area' noted in the plan 'Figures Depicting Project Boundary and Land' in Appendix 1 of the Project Approval (09_182 as modified). Termed the Project Approval boundary in this document
- Approved modifications
- Boggabri Coal owned property including Biodiversity Offset Areas (BOAs) and other BCOP agricultural land located outside of the Project Approval boundary.

Aboriginal cultural heritage values located in Boggabri Coal owned property outside the Project Approval boundary shall be identified and managed in accordance with the Due Diligence Code of Practice (detailed in Section 4.1) where ground disturbance works are proposed. Any historic heritage values that occur on the properties shall be managed in accordance with Section 5 of the HMP and in accordance with the *NSW Heritage Act 1977*. Aboriginal cultural heritage values located within the BOAs will be managed in accordance with the approved Aboriginal Cultural Heritage Strategy (Section 2.4).

Figure 1 shows the general location including the extent of the Project Approval boundary and Figure 2 shows BCOP's non-operational landholdings including the BOAs and agricultural land.

1.4 BCOP Registered Aboriginal Parties

The HMP was developed in consultation with BCOP Registered Aboriginal Parties (RAPs) as listed in Table 1.

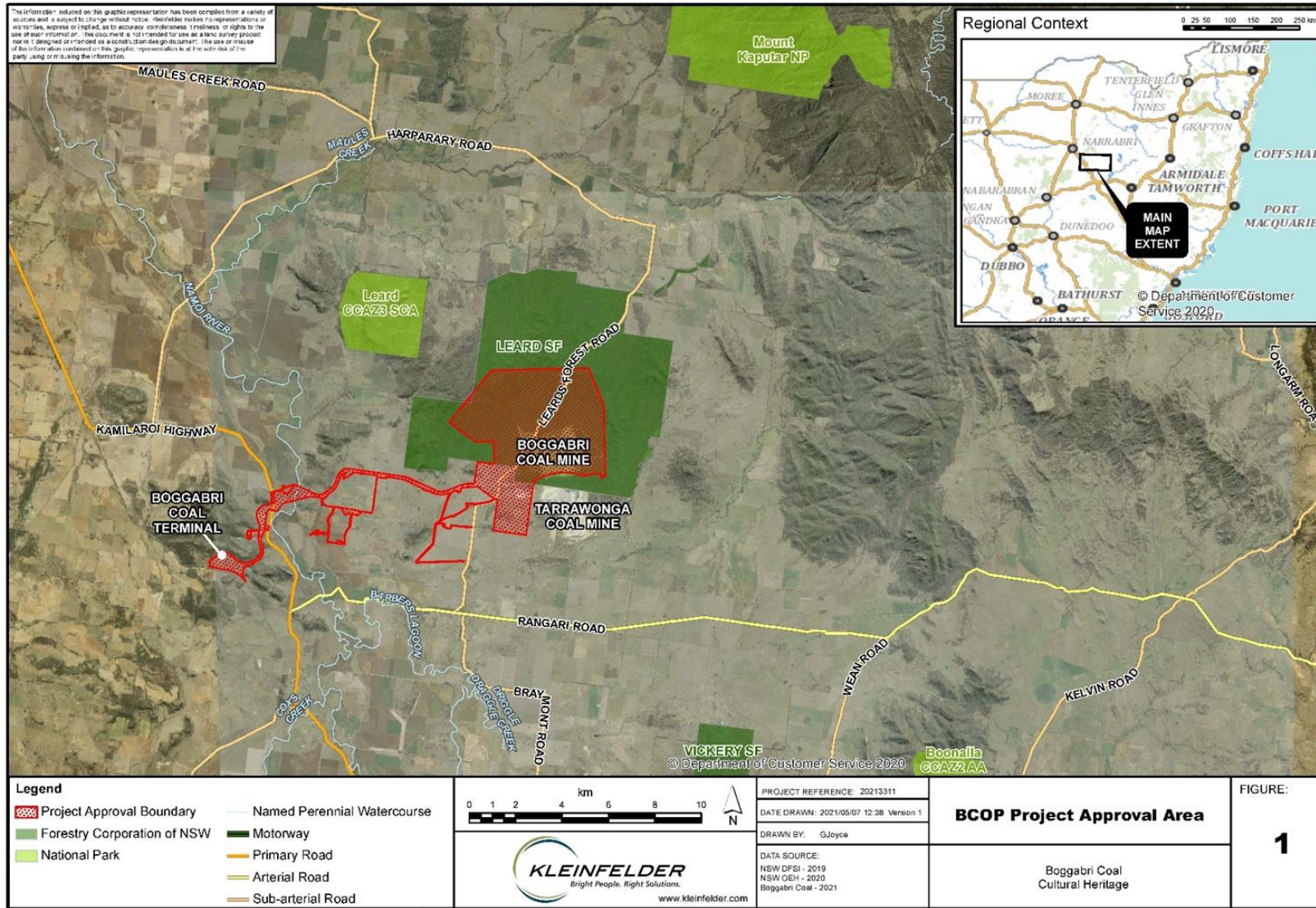
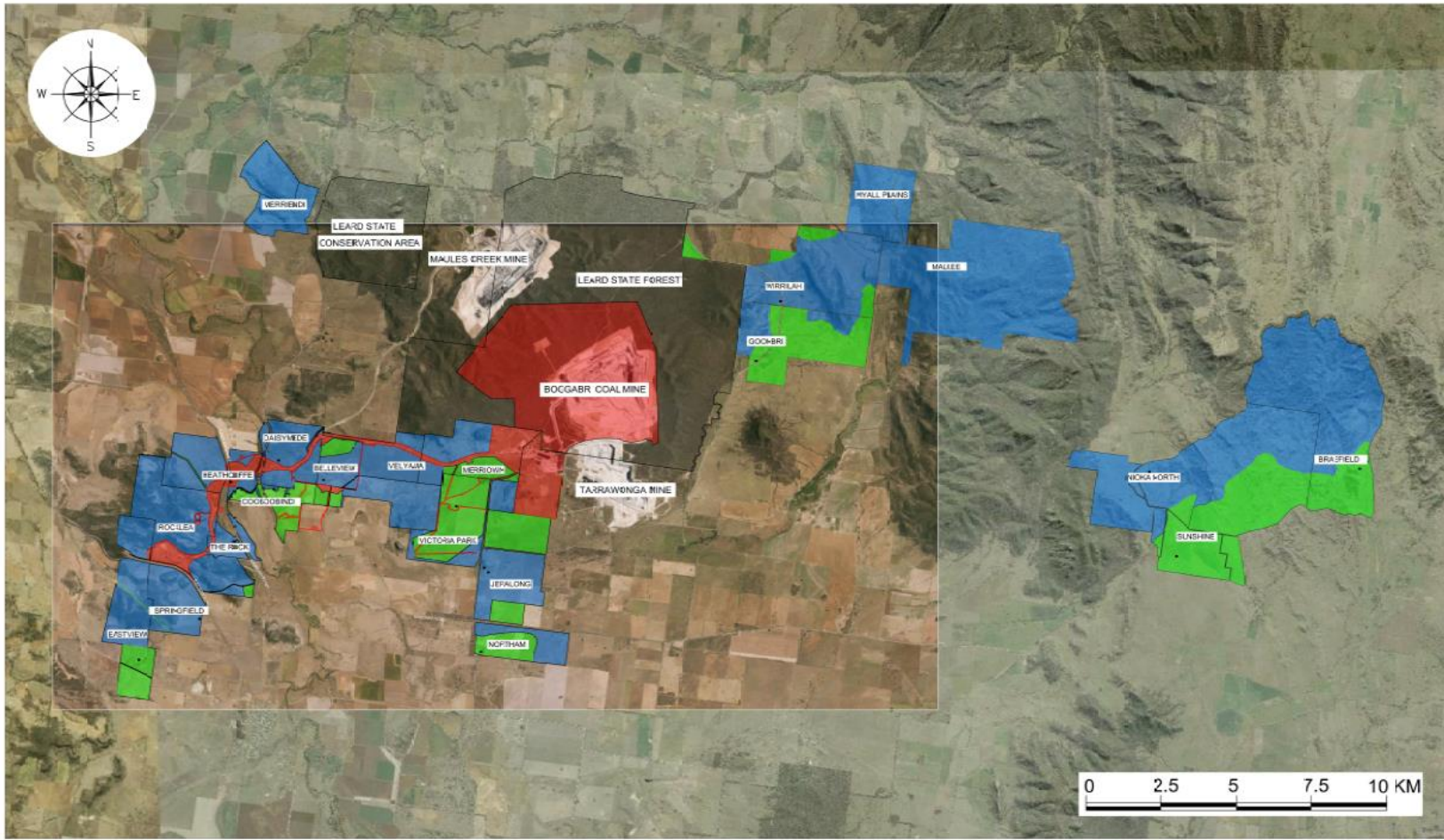


Figure 1 Locality Plan and Project Approval Boundary



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| DRWG CHECKED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <small> *Completion of this Quality Assurance indicates that the drawings have been checked, including, but not limited to, compliance with the requirements of the Boggabri Mine. *This Quality Assurance is not a guarantee of the accuracy of the drawings. *It is the responsibility of the user to ensure that the drawings are used in accordance with the intended purpose. </small> | Boggabri Mine Project Approval Area Offset Area Agricultural Land Area State Forest / Conservation Area | ORG FILE SIZE: A3 | <table border="1"> <tr> <td>REV</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | REV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Figure 2 Biodiversity Offset Areas

Table 1 BCOP Registered Aboriginal Parties

| RAP | Contact name |
|---|---|
| Red Chief Local Aboriginal Land Council | CEO & Members |
| Gunida Gunya | Tammy Bush |
| Min Min Aboriginal Corporation | Gwen Griffen |
| Cacatua Cultural Consultants | Donna and George Sampson |
| Elli Lewis Cultural Heritage Consultants | Patricia Hands |
| Bigundi Biame Traditional People | Gary Griffiths |
| Gomeri Narrabri Aboriginal Corporation (GNAC) | Craig Tindall |
| Gloria Foley | Gloria Foley |
| Jason Wilson – Dubbo | Jason Wilson |
| Cyril Sampson | Aboriginal Reference Group Namoi CMA |
| Gomilaroi Cultural Consultants | Aaron & Scott Talbott |
| Reg Talbott | Reg Talbott |
| Steve Talbott | Steve Talbott |
| Leonard Talbott | Leonard Talbott |
| Veronica Talbott | Veronica Talbott |
| Michael Trindall | Michael Trindall |
| Deslee Talbott Consultant | Deslee Mathews |
| TNL Site Trackers | Troy Silver |
| Lloyd Mathews | Lloyd Mathews |
| Ronald Long | Ronald Long |
| White Cockatoo | Michael Long |
| James Foley | James Foley |
| Sonny Fitzroy | Sonny Fitzroy |
| Nathan Slater | Nathan Slater |
| Shannon Draper | Shannon Draper |
| Cyril Sampson | Cyril Sampson |
| Brian Draper | Brian Draper |
| Mooki Plains Clan | Stephen Mathews (replaced by Les Field LJ Consulting) |
| T&G Cultural Consultants | Tony & Greg Griffiths |
| David Horton | David Horton |
| Cindy Foley | Cindy Foley |

Additional groups and individuals who registered interest in The Project after the close of registration period are referred to as Interested Parties and are kept informed of progress through an annual information session that is open to all Interested Parties and RAPs. Annual information sessions may be combined with ASCF meetings. From time to time BCO may chose to reopen expressions of interest to the broader indigenous community to ensure a wide range of experience and knowledge can be consulted.

2.0 Conditions and Review

The preparation, review, and implementation of the HMP remains the responsibility of BCOP's Environmental Superintendent.

2.1 Conditions of the Project Approval

The HMP has been developed in accordance with conditions 56 and 57 of schedule 3 of the Project Approval. Table 2 notes the sections of the HMP that satisfies the requirements of conditions 56 and 57.

Table 2 HMP concordance of Project Approval Schedule 3 Conditions 56 and 57

| Condition | HMP Section |
|--|---|
| The Proponent shall prepare and implement a Heritage Management Plan for The Project to the satisfaction of the Director - General. This plan must: | Whole Document |
| (a) Be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Director-General; | Section 4.4.6 |
| (b) Be prepared in consultation with the OEH and the local Aboriginal stakeholders (in relation to the management of Aboriginal heritage values); | Section 2.5 |
| (c) Be submitted to the Director-general for approval prior to any development that may impact Aboriginal objects, unless the Director-General agrees otherwise; | Section 2.4 |
| (d) Include the following for the management of Aboriginal heritage: <ul style="list-style-type: none"> • A detailed plan for the implementation of the approved Aboriginal Heritage Conservation Strategy; • A description of the measures that would be implemented for ; <ul style="list-style-type: none"> ○ protecting, monitoring and managing Aboriginal sites on the site which are outside of the approved disturbance area; ○ maintaining and managing reasonable access for Aboriginal stakeholders to Aboriginal objects on the site and within the Biodiversity Offset Strategy areas; ○ managing the discovery of any human remains or previously unidentified Aboriginal objects on site, including (in the case of human remains) stop work provisions and notification protocols; ○ ongoing consultation of the local Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage both on-site and within any Aboriginal heritage conservation areas; ○ ensuring any workers on site receive suitable heritage inductions prior to carrying out any activities which may disturb Aboriginal sites, and that suitable records are kept of these inductions; • A strategy for the storage and management of any Aboriginal objects salvaged on site, both during The Project and long term. | Strategy approved Section 4.1 Section 3.9.4 Section 3.6-3.7 Section 2.4-2.5 Section 3.5.2 Section 4.4 |

| | |
|---|---|
| <p>(e) Include the following for the management of historic heritage;</p> <ul style="list-style-type: none"> • A detailed plan for the implementation of mitigation and management measures for historic heritage items identified to be impacted by The Project, in particular proposed consultation, archival recording, research and archaeological investigations to be undertaken for the locally significant Heathcliffe residence prior to and during any disturbance; • A detailed plan for management measures for maintaining or enhancing the heritage values of heritage items on project – related land which are outside of the approved disturbance area; • A description of the measures that would be implemented for; <ul style="list-style-type: none"> ○ Managing the discovery of human remains or previously unidentified heritage item on site; and ○ Ensuring worker on site receive suitable heritage induction prior to carrying out any development on site, and that suitable records are kept of these inductions. | <p>Section 5 Section 5.3.2</p> <p>Section 5.3.5</p> <p>Section 3.5 & 5.3.6</p> <p>Section 3.5.2</p> |
| <p>57. The proponent shall prepare and implement an Archaeological Salvage Program for The Project to the satisfaction of the Director-General. This Program must:</p> | <p>Whole Document</p> |
| <p>(a) Be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Director –General;</p> | <p>Sections 2,3,4 & Appendix G</p> |
| <p>(b) be prepared in consultation with DCCEEW and the local Aboriginal stakeholders;</p> | <p>Sections 2,3,4 & Appendix H</p> |
| <p>(c) incorporate methodology including:</p> <ul style="list-style-type: none"> • sub-surface testing • staged salvage, based on anticipated mine planning; • pre-disturbance monitoring; • site assessment and reporting protocols; • research objectives to inform knowledge of Aboriginal occupation; • protection, storage and management of salvaged Aboriginal objects; • addressing relevant statutory requirements under the National Parks and Wildlife Act 1974; and • proposed long term plan for protection of salvaged Aboriginal objects. | <p>Section 4.3.3 Section 3 Section 7.1 Section 4.4.4 Section 4.4.6 & Section 9 Section 4.4.5 Whole Document & Appendix B Sections 1.2.1 & 4.4.5</p> |

Table 3 details the sections of the HMP that address the recommendations made by Heritage NSW following their review of the HMP in 2017.

Table 3 Heritage NSW Recommendations

| Heritage NSW Recommendations | HMP Section |
|--|---|
| <p>1. The proponent establishes adequate planning and communication systems to manage the multiple Plan commitments, particularly during on-ground operations when undertaking and maintaining the protection and mitigation measures.</p> | <p>Section 3.5, Section 4, Section 11</p> |
| <p>2. The proponent regularly review the efficiency and success of its systems for undertaking mitigation and protection of heritage.</p> | <p>Section 8, Section 9</p> |
| <p>3. OEH recommends that the proponent carry out on-going evaluations of the consultation process and document any modifications to the process based on the evaluation results.</p> | <p>Section 2.4</p> |
| <p>4. The AHMP research and archaeological work should inform the broader ACH conservation strategy.</p> | <p>Approved Aboriginal Heritage Conservation Strategy</p> |

2.2 Development and Review

Since the original HMP was prepared in 2012 the plan has been reviewed and refined over time. An outline of the development of the HMP and reviews that have been undertaken is provided in Appendix C.

2.3 Ongoing Consultation

2.3.1 Aboriginal Stakeholder Community Forum (ASCF)

Ongoing consultation with Aboriginal stakeholders is facilitated through the BCOP Aboriginal Stakeholder Consultative Forum (ASCF). The ASCF provides a platform for information exchange between BCOP and stakeholders and a method of efficiently disseminating information to the Aboriginal community and seeking input and feedback about project activities.

The ASCF is open to all RAPs that have registered within the prescribed timeframes during the BCOP project. It provides an avenue for continued consultation of BCOP activities and/or Project Approval modifications and a forum for raising general issues by stakeholders or BCOP.

ASCF meetings are held bi-annually to keep RAPs informed of the mine's progress and discuss ongoing cultural heritage impact mitigation measures. Additional meetings are held as may be required and also include the wider Aboriginal community. Although the ASCF meetings are targeted at RAPs, they are often also attended by members of the broader Aboriginal community who have a general interest in the project.

Once a year, a broader information meeting will be open to attendance by any Aboriginal community member. Annual information sessions may be combined with ASCF meetings. If for any reason it is not possible to hold a general meeting, a newsletter will be made available to the broader community by means of the Red Chief LALC and the Gomerai Traditional Elders Group.

2.4 Aboriginal Heritage Conservation Strategy

- In addition to the HMP, the Project Approval requires the preparation of an AHCS. The AHCS has a broader regional focus and provides the following functions: Identify the Aboriginal cultural heritage values within the BOAs
- Identify areas of high Aboriginal cultural heritage significance within the site and the Boggabri Tarrawonga Maules Creek (BTM) Complex
- Identify a range of options for enhancing and conserving Aboriginal cultural heritage values, with specific consideration of the potential for the long-term protection and management of significance sites within either the site, the BOAs, or other lands within the BTM Complex identified as having high cultural heritage significance to the Aboriginal community
- Consider cumulative impacts and potential for developing joint initiatives with other mines within the BTM Complex for enhancing and conserving Aboriginal cultural heritage values
- Satisfy in part the requirements of condition 55 of Schedule 3 of the Project Approval.

Options to enhance and conserve heritage values and mitigate cumulative impact within the BTM Complex will include the following points, drawn from the Statement of Commitments in the EA. These avenues have been developed in consultation with Aboriginal stakeholders:

1. The management of cultural heritage values in the offset areas
2. Provide ongoing pathways for the management of Aboriginal objects into the future.

2.4.1 Implementing the Recommendations of the AHCS

The final AHCS (University of Queensland Culture & Heritage Unit 2017)¹ was approved by the Secretary.

The mechanisms for the implementation of the AHCS have been adopted by BCOP. These mechanisms include the continuation of Aboriginal community consultation, maintenance of an Aboriginal sites database for sites within the BOAs, and ongoing management of Aboriginal cultural heritage values within the BOAs including targeted areas for archaeological surveys.

In accordance with the AHCS, updates on the implementation of the AHCS within the BOAs will be provided to RAPs, interested parties and the broader Aboriginal community through the ASCF meetings and discussions.

Aboriginal cultural heritage values identified through ongoing field work in the BOAs will be incorporated into subsequent revisions of the HMP as per AHCS requirements.

Section 7.2.4 of the AHCS outlines the following management measures:

In accordance with the relevant approved Biodiversity Offset Strategy (or equivalent), portions of the biodiversity offset areas are proposed to be re-vegetated. Any known and/or undisturbed Aboriginal sites located within these areas would be avoided by surface disturbance or revegetation works where possible.

In the event that avoidance of any known and/or undisturbed Aboriginal sites is not possible, the management of these sites would be developed in consultation with the OEH and DP&E (now Heritage NSW and the Department of Planning and Environment [DPHIDPHI]) (UQCHU 2017:46).

¹https://www.idemitsu.com.au/mining/wp-content/uploads/2016/02/BTM-Aboriginal-Heritage-Conservation-Strategy-revised-DPHIDPHI-feedback_clean.pdf

3.0 Aboriginal Cultural Heritage Values

3.1 Aboriginal Cultural Heritage Values - Project Approval Area

3.1.1 Background

The identification of Aboriginal cultural heritage values within the Project Approval boundary has been undertaken by archaeological assessments prepared by ARAS Pty Ltd (2004, 2007) and Insite Heritage (2009). Additional sites have been located in subsequent archaeological assessments by Insite Heritage to support modifications to the Project Approval and due diligence assessments.

The location of all Aboriginal archaeological sites located within the Project Approval boundary that have been identified during the various archaeological assessments are shown on Figures 3, 4, and 5.

3.1.2 BCOP Aboriginal Archaeological Salvage Works

Since Project Approval in 2012, a number of Aboriginal archaeological sites have been subject to archaeological salvage activities in accordance with the requirements of the approved HMP. An extensive archaeological salvage program was undertaken in 2013 as part of the BCOP Stage 1 archaeological salvage works. Details of these salvage activities have been documented in the Stage 1 Archaeological Salvage Report (Insite Heritage 2014).

Archaeological salvage works have also been undertaken following subsequent Modification approvals and the annual BCOP Tree Clearing Programme. Results of these salvage activities have been documented in previous HMP revisions, ASCF meetings, and annual reporting. Drawing on the salvage reports prepared at the conclusion of each salvage activity, a detailed archaeological salvage report will be prepared at the end of mining activities in accordance with approval conditions (refer Section 4.4.4).

3.1.3 BCOP Aboriginal Archaeological Site Status

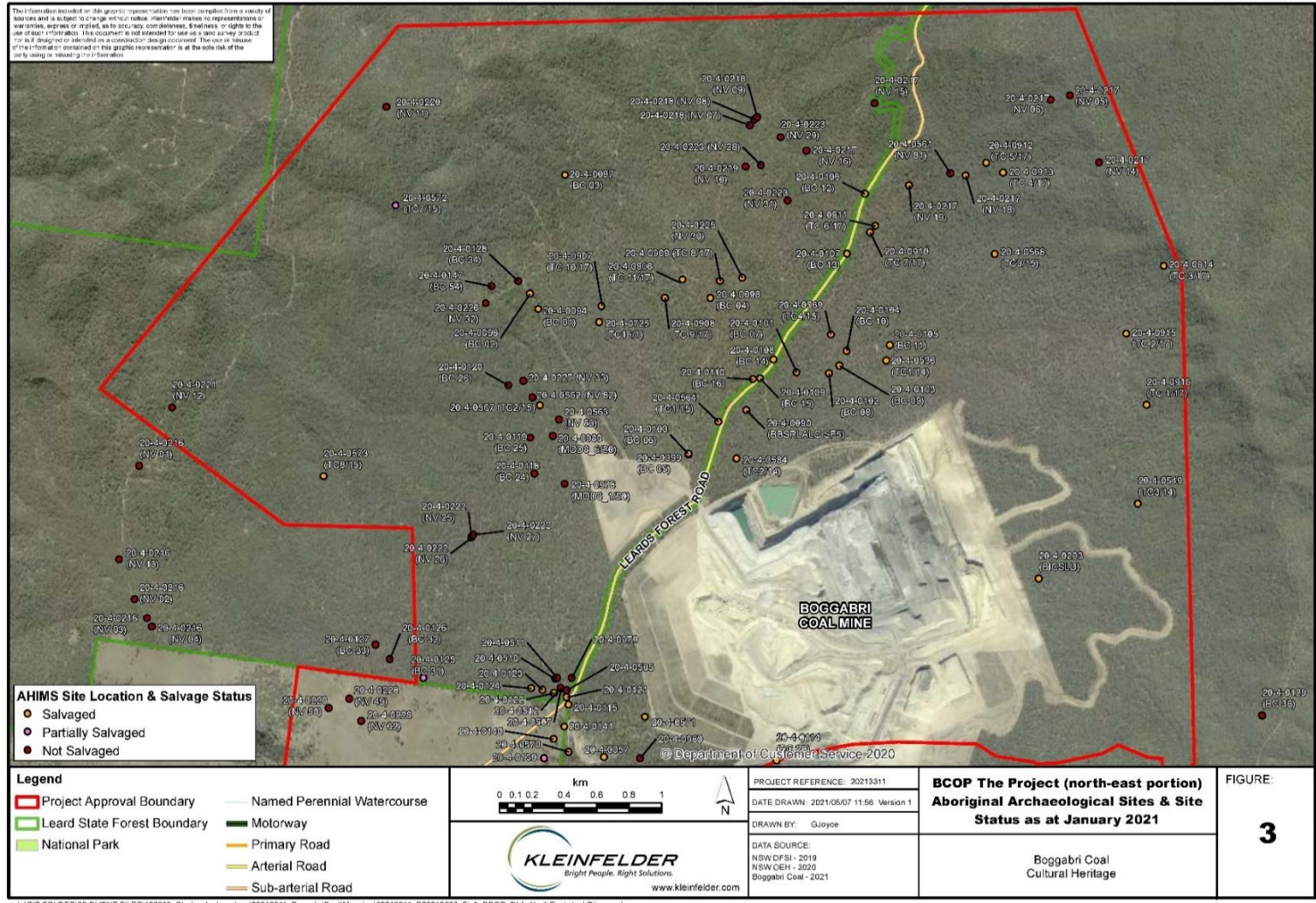
A register of all sites and their status is maintained by BCOP's Environmental Superintendent and is updated as mining progresses and salvage activities take place. An extract from the register showing the status of all sites within the Project Approval boundary is provided in Appendix D and sites within the BOAs and agricultural land is provided in Appendix E. The register includes site details and status and generally updated every six months. Sites are classified into one of three categories:

- sites which have been salvaged under the HMP
- sites which are partially salvaged and portions of sites that remain extant

- extant sites.

Extant sites are either to be conserved in situ or are to be conserved until approved impacts occur. The updated register will be incorporated into subsequent HMP revisions. Figures 3, 4, and 5 detail the current status of Aboriginal archaeological sites within the Project Approval boundary.

Fourteen Aboriginal archaeological sites were recorded on BCOP property in the south eastern corner of the Project Approval boundary during the course of the Tarrawonga Cultural Heritage Assessment (Kayandal Archaeological Services 2011). Five of these identified sites are located within the BCOP Project Approval boundary and will not be impacted by BCOP activities. All 14 sites are included on BCOP's register of sites and will be conserved in situ. If Tarrawonga Mine develops this area, the identified sites will be managed in accordance with the relevant Project Approval requirements for that project.



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Figure 3 BCOP The Project Approval Boundary (north-east portion) Aboriginal Archaeological Sites & Site Status as at January 2021

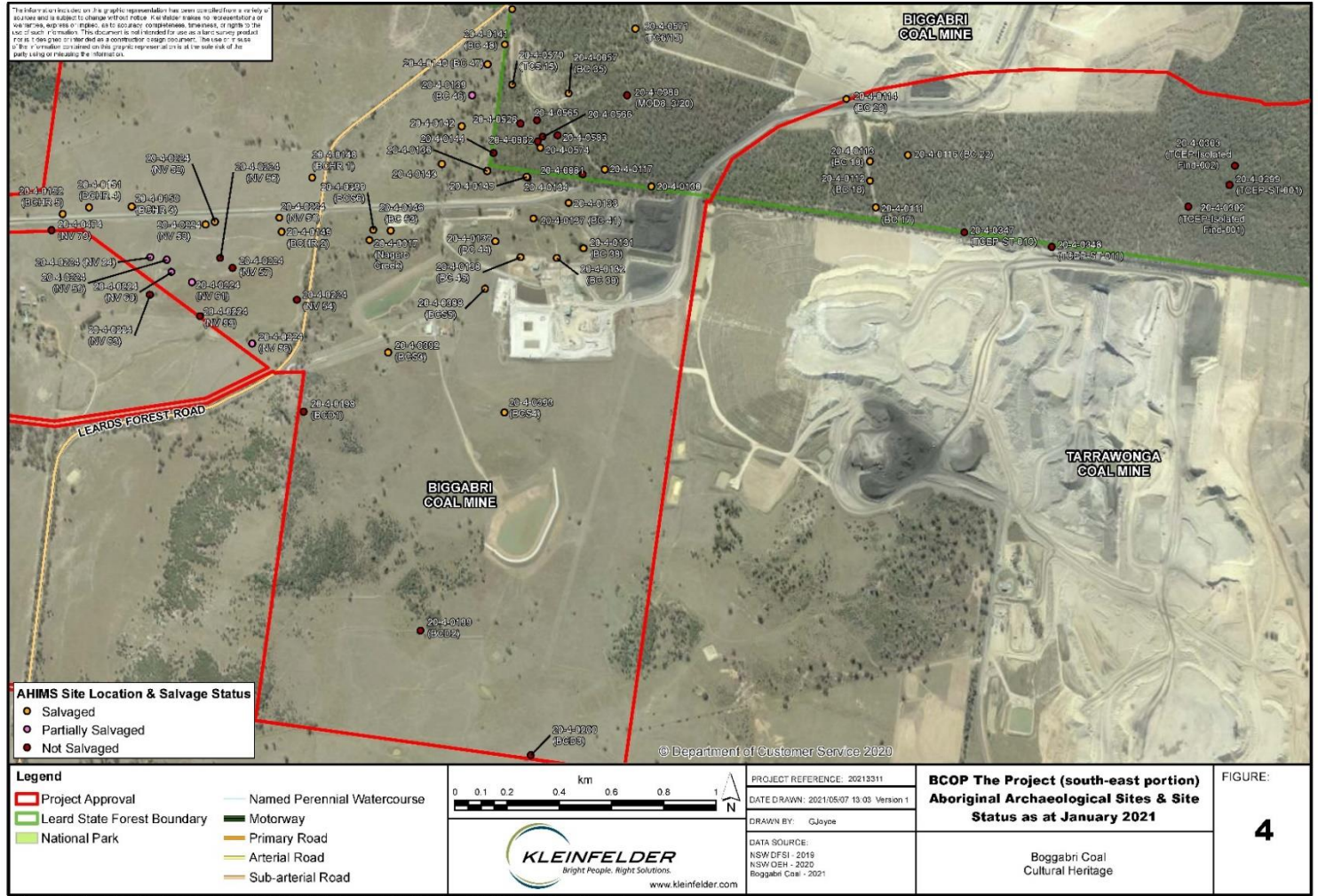


Figure 4 BCOP The Project Approval Boundary showing the mining infrastructure area) Aboriginal Archaeological Sites & Site Status as of January 2021

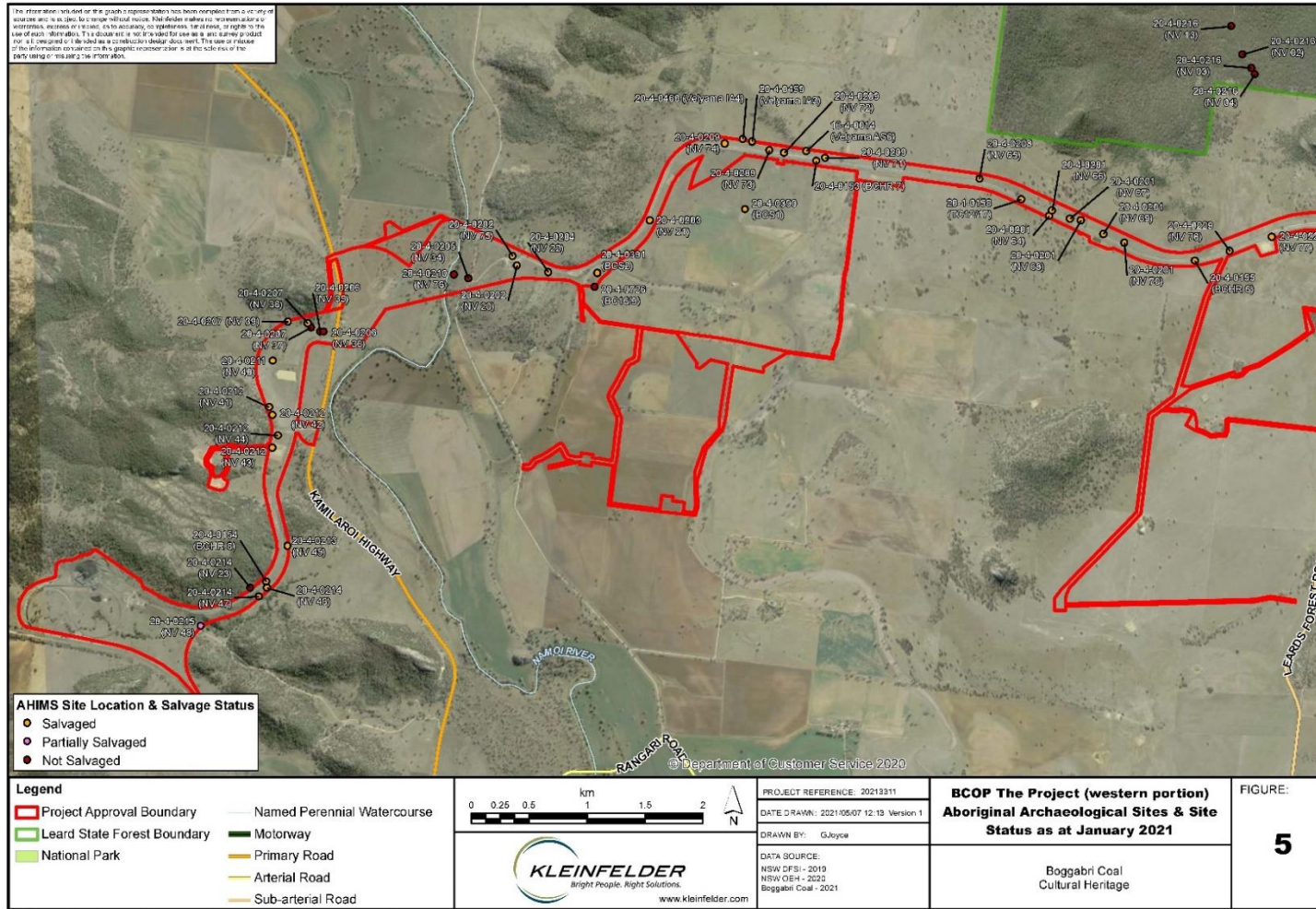


Figure 5 BCOP The Project Approval Boundary (western portion) Aboriginal Archaeological Sites & Site Status as at January 2021

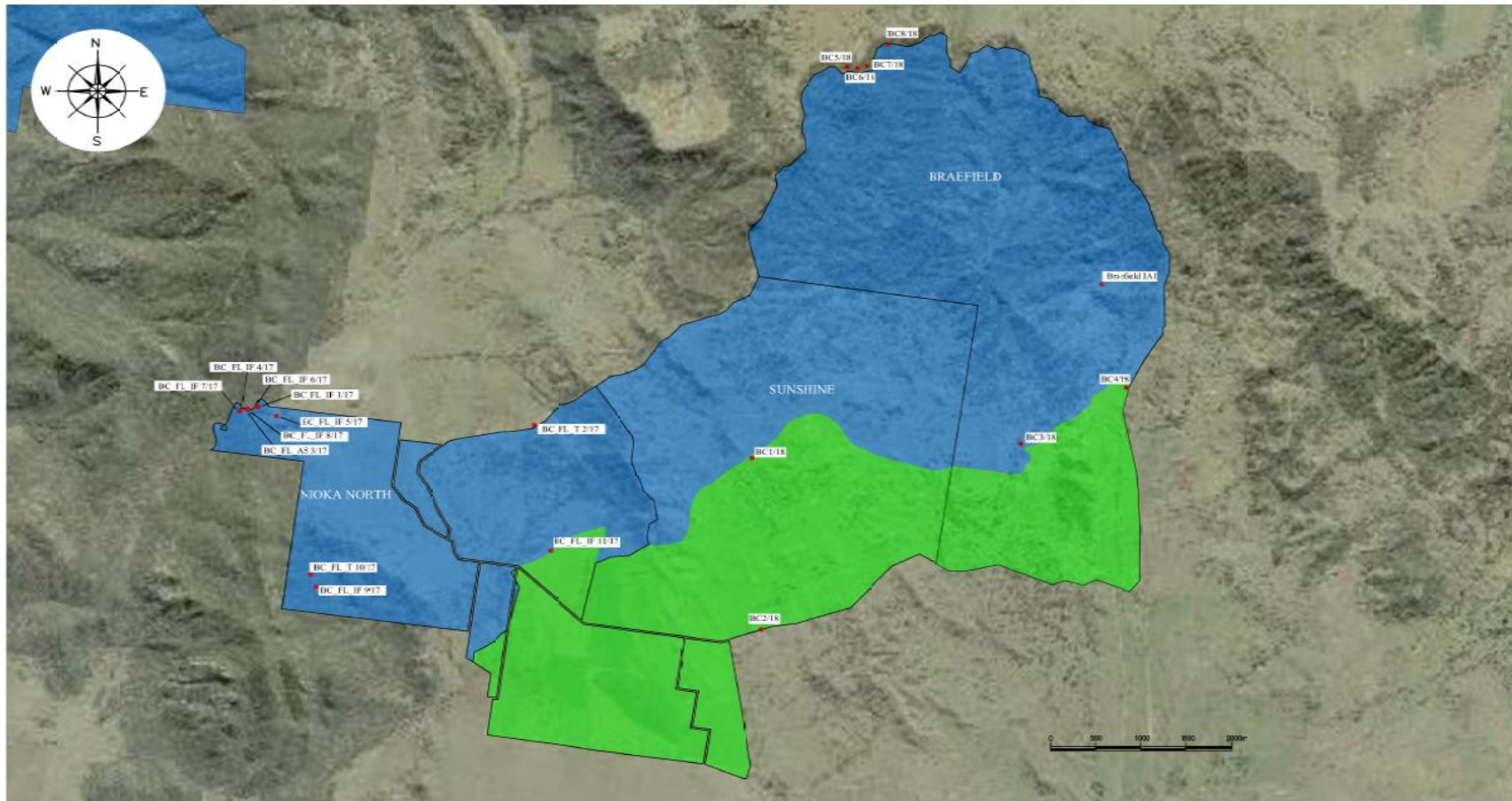
3.2 Aboriginal Cultural Heritage Values - Biodiversity Offset Areas and Non Operational Land

The ACHS requires targeted archaeological surveys of BOAs to be undertaken to identify and develop the cultural heritage values contained within the BOAs. 160 Aboriginal archaeological sites have been recorded within the BOAs to date (refer Figures 6, 7, and 8). The details of identified sites are included Appendix E (BCOP BOA & Agricultural Land Sites Register). Aboriginal cultural heritage values within the BOAs will be updated in subsequent revisions of the HMP as the survey work progresses in line with the requirements of the ACHS.

A number of the properties within the BOAs also include agricultural land. For management purposes, these properties have been included in the HMP. Management of cultural heritage values in these areas will be subject to management of cultural heritage values by means of the approved AHCS (refer Section 2.4). Section 7.2.4 of the approved ACHS notes that sections of BOAs, will be subject to revegetation works in accordance with the approved Biodiversity Offset Strategy. The ACHS provides the following management strategy for revegetation works:

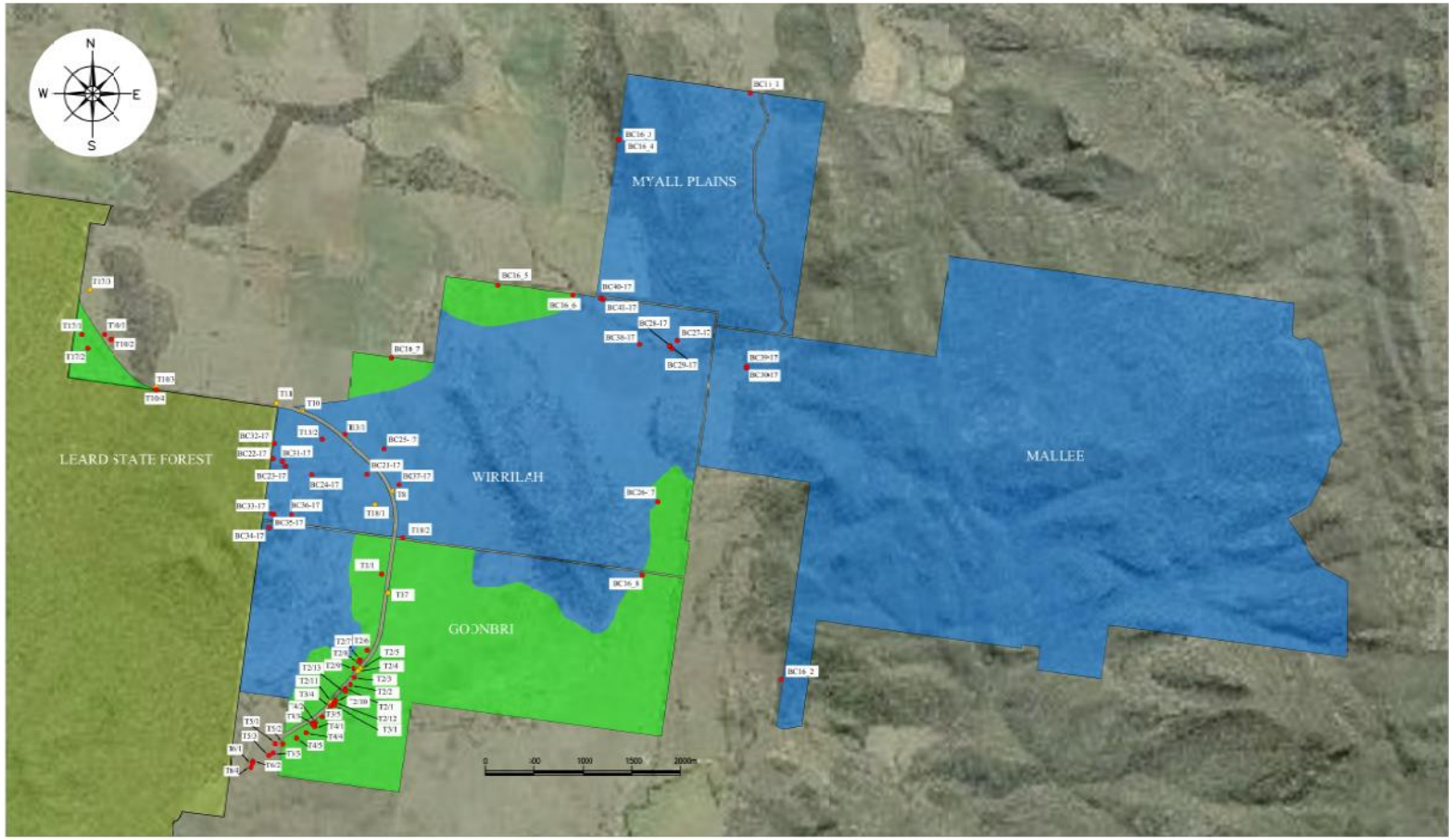
Aboriginal sites located within these areas would be avoided by surface disturbance or revegetation works where possible. In the event that avoidance of any known and/or undisturbed Aboriginal sites is not possible, the management of these sites would be developed in consultation with the OEH and DP&E (now Heritage NSW, DPHIDPHI) (UQCHU 2017:46).

Aboriginal cultural heritage values located within BCOP owned property outside the Project Approval boundary shall be identified and managed in accordance with the Due Diligence Code of Practice (outlined in Section 4.1) where ground disturbance works are proposed.



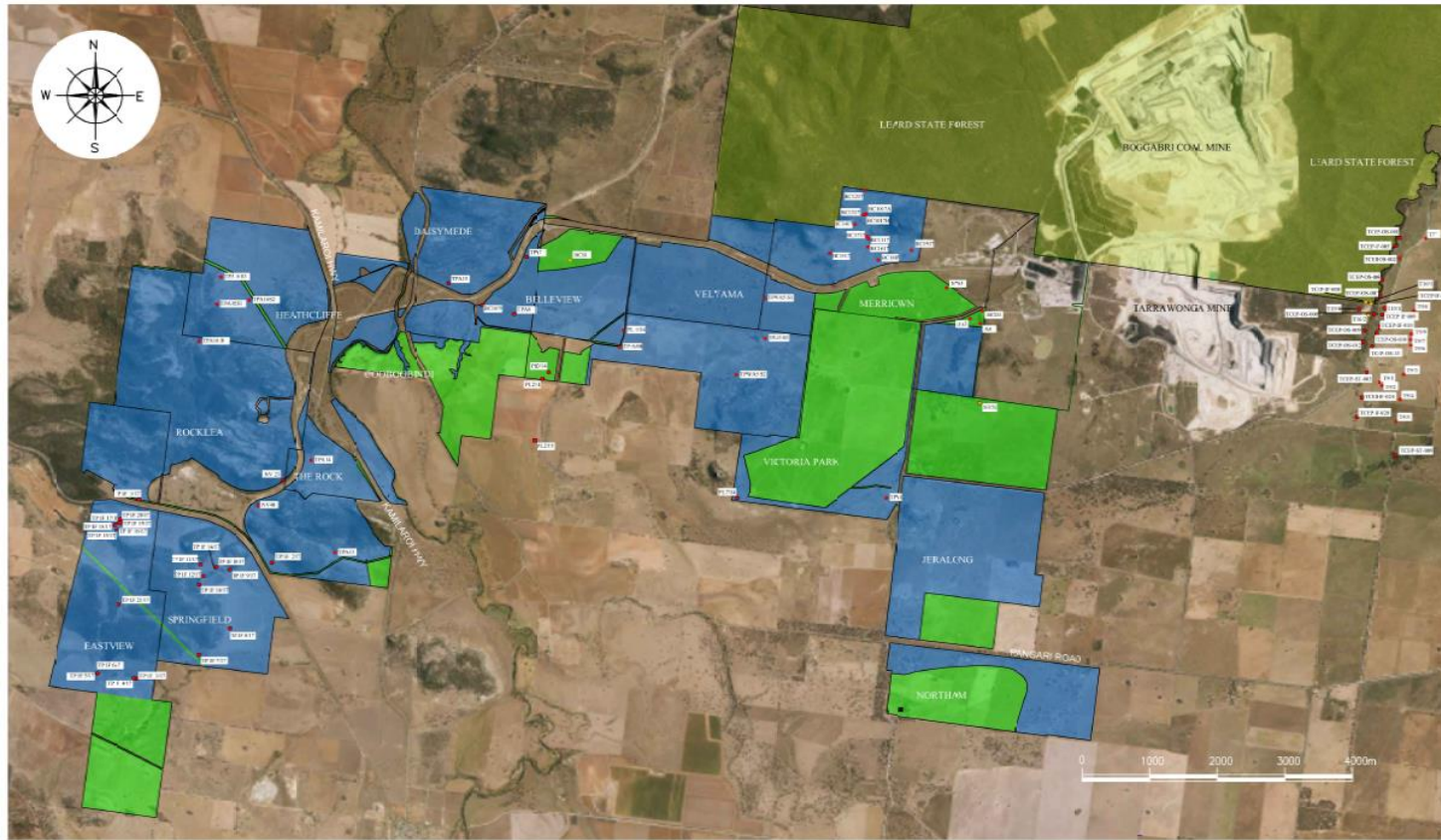
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| | | | | | REVIEW | NAME | SIGNATURE | DATE | See Bar Scale | | | |
| | | | | DRAWN | SETAWENGE | | | FIGURE | 6 | | | |
| | | | | Drawn only Other Areas Agricultural Land Areas State Forest / Conservation Area Aboriginal Artifacts Not Salvaged Artifacts | | | | | | | | |
| Compliance of this Quality Record is evidence that the design and drawing have been created in accordance with the requirements of the Quality Plan. Where the Quality Plan is amended, all amendments shall be clearly identified by the project manager and the client. | | | | | | | | | | | | |
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Figure 6 BCOP BOAs & Agricultural Land Aboriginal Archaeological Sites & Site Status



| REV | REVISIONS | DATE | QUALITY RECORD | | | | SCALE | FILE REF: | Boggabri Coal Mine | |
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| | | | DRAWN | NAME | | | | | | |
| | | | DESIGNED | | | | FIGURE: | JOB REF: 0415 | BOAs & Non-operational Land (central) Aboriginal Archaeological Sites & Site Status | |
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| <small>Copyright of the State of Queensland. All rights reserved. This map and the data contained herein are the property of the State of Queensland. The State of Queensland is not responsible for any errors or omissions in this map.</small> | | | | | | | | | | |

Figure 7 BCOP BOAs & Agricultural Land Aboriginal Archaeological Sites & Site Status



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| <small>Copyright © 2014 Boggabri Coal is a wholly owned subsidiary of Idemitsu Bussan Energy Services Co., Ltd. All rights reserved. This drawing is the property of Idemitsu Bussan Energy Services Co., Ltd. and is not to be used for any other purpose without the written consent of Idemitsu Bussan Energy Services Co., Ltd.</small> | | | <table border="1"> <thead> <tr> <th>REVIEW</th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | | | | REVIEW | NAME | SIGNATURE | DATE | | | | | | | | | | | | | FIGURE: 8 | | PLOT FILE: Block-unity Off-peak Plan (1912)C.dwg | | BOAs & Non-operational Land (Namoi) Aboriginal Archaeological Sites & Site Status | | DRAWING NO: 1912C3 | | | | | | | | | | | | | | | | | | | | | |
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Figure 8 BCOP BOAs & Agricultural Land Aboriginal Archaeological Sites & Site Status

3.3 Standard Site Management

The following generic safeguards will be applied during operational phase of the BCM.

3.3.1 Standard Work Practices

BCOP's ongoing risk management approach to minimising impacts on cultural resources during operations of the project will involve implementing the following standard work practices:

- Due diligence assessments for any ground disturbance in areas that have not been previously cleared of archaeological sites (refer to Figure 9)
- Where known sites may be impacted outside the Project Approval boundary, an Aboriginal Heritage Impact Permit (AHIP) will be required. Where a site is located inside the Project Approval boundary, HMP the appropriate management strategy set out in the HMP will be applied
- An expression of interest email outlining required works, timing and personnel requirements will be sent to the RAPs list. The RAPs will then be drawn from a standing roster and a minimum of two RAPs will be invited to attend site where works are required
- Sites will be kept intact and preserved until they are required to be salvaged due to pending approved impact
- The condition of extant and partially salvaged sites within the outside the approved disturbance boundary will be monitored on an annual basis. Two RAPs will be invited to attend the inspections with the BCOP Environment Superintendent, or their representative, during the operational phase of the project
- Sites within 100 m of proposed works within the approved disturbance boundary will be monitored by BCOP Environmental Superintendent / BCOP nominated representative on a six monthly basis or more frequently if deemed necessary in response to a potential threat (such as active erosion)
- Sites within the Project Approval boundary will be actively managed to avoid unintentional impacts. Sites will be clearly identified in the field, fenced and appropriate signage erected where sites are located within 100 m of ground disturbance works that may have the potential to impact on the surrounding area (i.e. vehicle ingress and egress, laydown areas, or compounds)
- Staff (including contractors) will be inducted and made aware of their responsibilities concerning sites and operational activities
- Work practices will clearly define the roles and responsibilities of all staff in managing Aboriginal cultural resources at the BCM
- Supervisors and plant operators will be made aware of the location of sites prior to commencing in a specific area by means of BCOP internal procedures
- Constraint / control plans and operation notes will clearly display the location of known sites.

3.3.2 Site Inductions

BCOP's site induction program includes a cultural heritage component that all staff and contractors must attend. Aboriginal stakeholders (by means of the ASCF) are able to review and provide suggestions for improvements to the cultural heritage component of the BCOP induction program. Induction sessions aim to increase the level of cultural awareness and ensure that staff

and contractors are aware of their obligations regarding the preservation of items that are of Aboriginal Cultural Heritage significance and historic significance.

Records of the employees and contractors inducted in archaeology and cultural heritage management will be maintained in the BCOP induction database.

3.3.3 Ground Disturbance, Trenching and Excavation Permit

Before the commencement of new works (including tree clearing), BCOP staff and contractors must complete a 'Ground Disturbance, Trenching and Excavation Permit' which must be reviewed and approved by BCOP Environmental Superintendent or delegate prior to commencing work.

The aim of this process is to identify the status of archaeological sites identified during site surveys as per methodology in 4.2.2 (in addition to other constraints) and clearly delineate restricted areas in the work area prior to contractors entering the work area. All relevant environmental checklists and permits must be approved before new works can proceed.

To assist with the clear identification of those sites/areas that have been salvaged, a 'cleared area' procedure has been implemented. The concept, developed with the ASCF, is when a site/area is salvaged, by object collection, subsurface excavation or sample grader scrapes, the RAPs involved in the process, will sign a form acknowledging the approved methodology has been followed. recording the results of the activity and any comments they may have about the activity HMP. The 'Archaeological Clearance Form' including a roles and responsibilities matrix used to record this process is provided in Appendix F.

If satisfaction from BCO, the archaeologist and at least two RAPs cannot be reached to sign off the site has been salvaged adequately, then only two parties are required to sign the clearance form. If a previously unknown Aboriginal object is suspected or identified, then all work will cease and the object assessed in accordance with the procedure outlined in Section 3.4.

3.4 Discovery of an Unknown Object

The following procedure should be adopted when a previously **unidentified Aboriginal site** is located or suspected in the Project Approval boundary:

- Work will immediately cease in the area and the find reported to BCOP's Environmental Superintendent
- The advice of a suitably qualified archaeologist will be sought to determine if the item is an Aboriginal object
- If the item is an Aboriginal object, the potential significance of the object will be assessed in consultation with RAPs (a minimum of two to be invited to attend) and an archaeologist
- A methodology for the management of the object or site will be developed by an archaeologist and circulated to all RAPs for their consideration
- The methodology will be consistent with the principles of the HMP (i.e. the item's position is recorded by GPS and an artefact identification number given as a minimum)
- Where the site can remain in situ, the site will be recorded, and details sent to the BCOP site data base and an Aboriginal Heritage Information Management System (AHIMS) site card submitted. The site will be fenced if it is located within 100 m of a construction/mining area, or otherwise managed in a manner commensurate with other sites in the locality

- Work is not to recommence until the management measures have been implemented (i.e. the site is appropriately salvaged or conserved in situ)
- If the object is salvaged, the RAPs present at the salvage will complete the archaeological clearance form
- When a previously **unidentified Aboriginal site** is located or suspected in a location outside the Project Approval boundary, work shall cease immediately and the Environmental Superintendent shall be informed. The site/object must be conserved in situ until the site is properly assessed by an archaeologist and protection measures are established. Any harm to Aboriginal sites outside the Project Approval Boundary will require an approved AHIP prior to any impacts occurring.

3.5 Discovery of Possible Human Remains

The following procedure is to be followed if possible human remains are uncovered:

- If any potential human skeletal remains are uncovered during works, all work in the immediate area of the remains will stop immediately. The incident will be immediately reported to BCOP's Environment Superintendent and the NSW Police
- Dependant on the recommendations of NSW Police, Heritage NSW will be contacted
- Human skeletal remains can be subject to three separate acts: *Coroner's Act 1980*, the *National Parks & Wildlife Act 1974*, and the *Heritage Act 1977*. The appropriate Act and therefore management of the site will be determined by the NSW Police and Heritage NSW
- Work will not proceed in the immediate area until clearance is provided by the relevant authority
- Details of the incident will be documented in an Incident Report prepared in accordance with BCOP's Incident Management Procedure (see Section 9.1).

3.6 Damage to a known Aboriginal Site

Where a known Aboriginal site is unintentionally damaged the following procedure applies:

- Work will stop immediately in the immediate area of the artefact / site, and the incident will be reported to BCOP's Environment Superintendent. BCOP's Environment Superintendent will prepare an incident report that will outline how the event occurred and measures to be taken to ensure the event is not repeated. Reporting to regulatory authorities shall be in accordance with the Project Approval incident reporting requirements
- In consultation with the RAPs, a management strategy will be developed to ensure the site is secured and any further threat of impact eliminated. Where the management strategy cannot be agreed by BCOP and the RAPs, an archaeologist will be consulted. Should agreement still not be reached, Heritage NSW will be consulted
- Work in an area subject of the incident will not recommence until the execution of the management strategy is to the satisfaction of DPHI and the Secretary.
- Details of the incident will be documented in an Incident Report prepared in accordance with BCOP's Incident Management Procedure (see Section 9.1).

3.7 Aboriginal Sites In Situ Conservation

Sites outside the Project Approval boundary offer the opportunity for in situ conservation. The principles of in situ conservation are protection from inadvertent impacts and management to prevent or slow natural weathering processes, such as active soil erosion.

A total of 50 loci (each with a site name) listed under 28 AHIMS numbers will be conserved by BCOP during the course of the project in a manner which will retain archaeological and cultural values. Of the 50 loci which will be conserved, five have been partially salvaged during the Stage 1 salvage works and nine were newly identified sites. Four sites were identified as impacted under the Stage 1 salvage works but the impacts have been mitigated allowing the sites to be conserved.

Site types represented in the conserved examples are 22 artefact scatters, 16 isolated artefacts, two quarry sites, and 10 scarred trees. A register of all archaeological sites and their current status is maintained by BCOP's Environmental Superintendent. An extract from the register which includes the sites conserved in situ and mitigation measures is presented in Appendix D.

Conservation of the sites will be managed by the application of the standard work practices detailed in Section 3.3..

3.7.1 Fencing

Within the Project Approval boundary, sites which are located within 100 m of works will have site boundaries ground-truthed and fenced to provide management by exclusion. The extent of the site will be determined by the archaeologist in consultation with the RAPs. The fencing of sites will be prioritised by their proximity to any proposed works the appropriateness of controls at these locations will be discussed with RAPs during the annual inspections (Section 6) and/or at ASCF meetings. Any proposed changes to the controls will be discussed with the archaeologist to assess their suitability.

Fencing should be to a standard that prevents inadvertent human impact. Key sites located in close proximity to works may require additional signage or fencing, to ensure they are highly visible to all workers including operators of equipment.

Signage will be placed on the fence as currently managed by BCOP – 'Archaeological Site – Do Not Disturb - Contact Environment Superintendent.'

Sites and fences will be inspected annually by the Environment Superintendent (or delegate) to ensure there have been no adverse impacts to the object. A minimum of two RAPs will be asked to attend the inspection, should there be no interest/response from the RAPs to attend, the inspection' will be carried out by the BCOP officer and results reported to the RAPs via an email. If required, repairs/recommendations (where practicable) will be undertaken as soon as practicable. While work is being conducted in the area, site protection measures will be inspected with greater frequency as commensurate with the vicinity of the works by BCOP staff. A requirement to report any disrepair, damage or compromise to the site protective fencing will be a condition of works commencing near the site.

Potential threats to these sites include:

- Impact from fire trail maintenance
- Impact from various monitoring activities
- Firefighting or emergency activities
- Accumulation of vegetation within the fenced area, increasing the risk of fire damage (e.g modified trees)

The role of RAPs at the inspections is to provide input into the identification of site extent in the first instance as new sites move into the 100m buffer zone. RAPs roles in post fencing annual inspection is to identify hazards, the assessment of fencing condition and consideration of fencing effectiveness.

RAPs can also reinspect the immediately adjacent ground to identify any recently exposed Aboriginal artefacts. Where the artefact is considered moved by natural processes (eg. Surface water) the artefact could be replaced within the fenced area.

After annual inspections, a summary of the results of the inspection shall be included in the next scheduled ASCF. RAPs who were involved in the inspection, should be available at the ASCF to contribute to discussion with the broader RAP group regarding the activity in which they were involved.

In some locations where there are no proposed or planned work activities, or work is complete, fencing may no longer be considered necessary. The appropriateness of controls at those locations will be discussed with RAPs during the annual inspection (Section 6) and/or at ASCF meetings.

3.7.2 Management of Environmental Impacts

The monitoring program (Section 6) includes those areas that have been fenced to prevent inadvertent incursions. Checks are made to ensure the ground surface has not been impacted by water channelling, rill, or sheet erosion. This can result from runoff from natural processes and/or land management practices such as grazing and/or cropping. Where ground surface impacts are identified remediation measures may be implemented to prevent further damage. In some locations where there are no proposed or planned work activities, sites/areas fencing may not be considered necessary as there is minimal risk of disturbance. A summary of site management measures is captured in the register of sites maintained by the Environmental Superintendent (Appendix E).

3.7.3 Management of Potential Blasting Impacts

Any sites identified as potentially vulnerable to blasting damage will be monitored to ensure that damage from fly rock or vibration has not occurred. In general, this situation will not impact sites as the pit expansion zone will have been cleared of sites in the previous tree clearing program year. Modelling of blast impact zones that indicate that a site is likely to be impacted by vibration or fly-rock, the site shall be considered for salvage as part of the annual pit expansion salvage program.

Sites shall be identified by an overlay of the modelled fly rock and vibration zones over the location of cultural heritage sites. Depending on the site type and location and current condition (e.g. ground / leaf / vegetation cover) and the size and amount of modelled fly rock etc, measures including protection with an overlay of geofabric may be considered. The geofabric can be kept

in place until the completion of blasting that may impact the site. In other cases, the amount of groundcover may provide sufficient protection.

Where sites located outside the approved disturbance area require protection, approval of the method of protection will be sought from DPHI.

In the event of damage to a known site, BCOP's incident management procedure outlined in Section 9.1 will be followed (see also Section 3.6).

3.7.4 Aboriginal Community Access to Cultural Sites

To facilitate access for Aboriginal community stakeholders to the cultural heritage sites within the Project Approval boundary (and once identified the sites in the BOAs) the following protocols will be implemented.

Community access requests will be considered by BCOP management. An appropriate level of work health safety and environmental risk mitigation will be applied to the event following a risk assessment by BCOP.

Community access events may be restricted by unforeseen circumstances such as construction/mining activities, lease arrangements, supervision availability, and/or adverse weather events.

BCO will also facilitate requests from the community to access salvaged cultural Aboriginal objects currently curated in temporary storage.

4.0 Archaeological Mitigation

4.1 Due Diligence Assessment

The Due Diligence Code of Practice will be applied where a ground disturbance activity is proposed in a location that has not been subject to previous archaeological assessment. A due diligence assessment may also be triggered where a previously unassessed activity is proposed under a Project Approval Modification within the Project Approval boundary.

The NSW *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* (OEH 2010) will be followed where the proposed activity is not listed as either an exempt activity as listed in the NPW Regulation (OEH 2010: Section 7.2) or is a low impact activity for which there is a defence in the Regulation (OEH 2010: Section 7.5). Examples of low impact activities for which there is a defence in the Regulation include maintenance of existing roads and tracks, costeaning, bulk sampling, or drilling on disturbed land that contain no known Aboriginal objects. Note that the defence of a low impact activity does not apply to situations where there are known Aboriginal objects or places. This defence does not authorise harm to known Aboriginal objects or places.

The Due Diligence Code of Practice (shown on Figure 9) has been adopted by the project.

The location of proposed activities will be changed to avoid impact to any known sites with the aim of retaining cultural heritage in situ. Where sites are at risk due to natural processes such as erosion, recommendations will be made to stabilise the condition of the site if possible. Any recommended site stabilisation/protection works outside of the Project Approval boundary will also need to be undertaken in accordance with NPW Act Regulation. Where a site cannot be avoided further assessment will be carried out as per the Due Diligence Code of Practice.

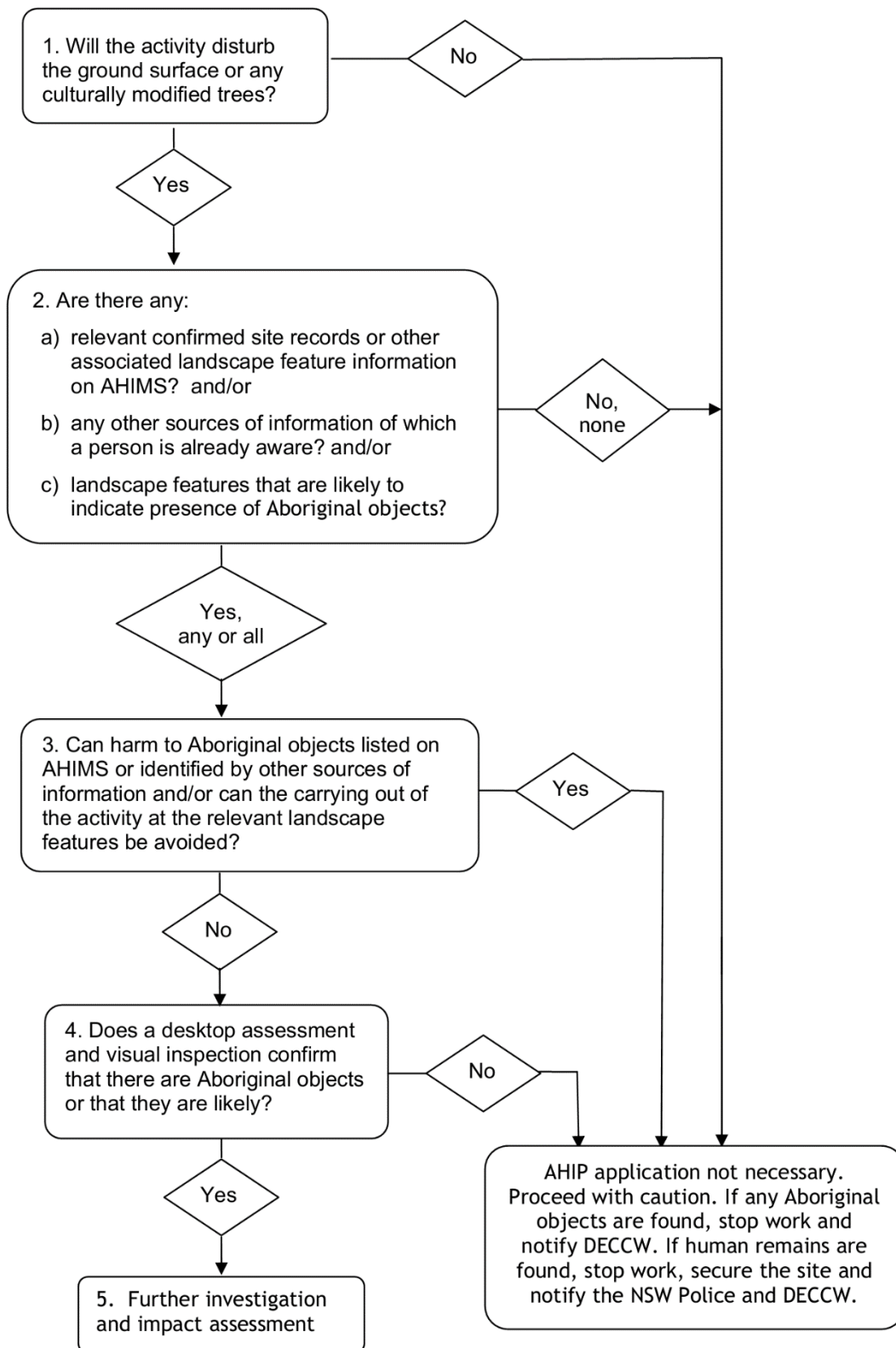


Figure 9 Due Diligence Process Flow Chart (The Department of Environment, Climate Change and Water, 2010 NSW Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales (2010))

4.2 Implementation of Mitigation by Salvage

The following section specifies measures to be implemented during the salvage of surface and subsurface artefacts within the Project Approval boundary. The salvage program recognises that the potential for subsurface artefacts is greater in the Leard State Forest and part of the Baan Baa Ranges, in intact duplex soils². A register of all archaeological sites and their current status is maintained by BCOP's Environmental Superintendent. An extract from the register which includes details of the sites salvaged and partially salvaged is found in Appendix D.

Previously unknown Aboriginal objects identified within the Project Approval boundary (refer Section 3.40), may be subject to the salvage methodologies including test excavations, grader scrapes, or monitoring of topsoil removal in consultation with an archaeologist, RAPs, and BCOP's Environmental Superintendent.

The management of any artefacts located in the due diligence process will be carried out in accordance with the procedure detailed in Section 4.1. Due diligence reports that detail the process undertaken and details of those who participated will be kept by BCOP and provided to Heritage NSW upon request.

The methodology employed in salvage of sites is detailed in Section 4.3.

4.2.1 Infrastructure Archaeological Clearance

If additional infrastructure is required, the impact will be assessed under the Due Diligence Code of Practice (Section 4.1).

When additional infrastructure is approved under subsequent Project Approval Modifications the archaeological mitigation measures noted in Section 4 of the HMP will apply. Where necessary, the archaeological salvage methodology will be applied to sites within the approved disturbance boundary.

4.2.2 Approved Mine Disturbance Area

In consultation with RAPs, the previous revision of the HMP (Rev 7) proposed to modify the salvage methodology by timetabling surveys to occur before tree clearing programs.

Rather than undertaking stick raking salvage post tree clearing, it was proposed to deploy resources prior to understorey clearing and target potentially more sensitive landform units such as creek terraces. The returns of post stick raking inspections had been poor..

Tree clearing areas were surveyed for archaeological sites during the Environmental Assessment process and each tree clearing area is re-inspected during annual tree clearing programs and stick-raking post tree clearing (until end of program 2016). Since 2016 the tree clearing areas have been inspected prior to tree clearing to allow for pit progression. This allows for the identification of areas of archaeological potential (if any) and the collection of flora resources as identified by the RAPs.

² ARAS 2007 and Insite Heritage 2015 BCPL Salvage Report

Surface artefacts are collected and documented on standard recording forms including the original location on hand held GPS and any revised information such as the extent of the site and / or the extent of surface visibility. Locations that present numerous artefacts / or the potential for subsurface artefacts are subject to test pits. Sensitive landform units (i.e. creek terraces) may be tested where the A soil horizon is greater than 200 mm deep and there is the potential for artefacts to be located on the top of the B horizon.

4.3 Methodology Applied for the Salvage of Aboriginal Objects

The following staged methodology is applied during salvage of Aboriginal objects during construction works and the annual tree clearing programs ahead of pit progression. A flow chart showing the salvage methodology utilised for disturbance inside the Project Approval boundary is shown on Figure 10

Prior to 2016, due diligence inspections for the annual tree clearing program were undertaken after Stage 1 and prior to Stage 2. This was to take advantage of the increased surface visibility after stick raking. However, the method resulted in poor returns and due diligence inspections are now undertaken prior to the commencement of tree clearing. The change has allowed more time for inspections and testing of more sensitive landform units where warranted. Salvage works to date have shown terraces associated with drainage lines are the more sensitive areas within the Leard State Forest.

For sites that are in the BOAs, BCOP will aim to conserve these in situ by relocation or redesign of the proposed activity. Where this is impractical, then further assessment will be applied to any ground disturbance activities in the BOAs in accordance with Due Diligence Code of Practice (Section 4.1).

A flow chart showing the key steps followed by BCOP is shown on Figure 10 and described in the following sections.

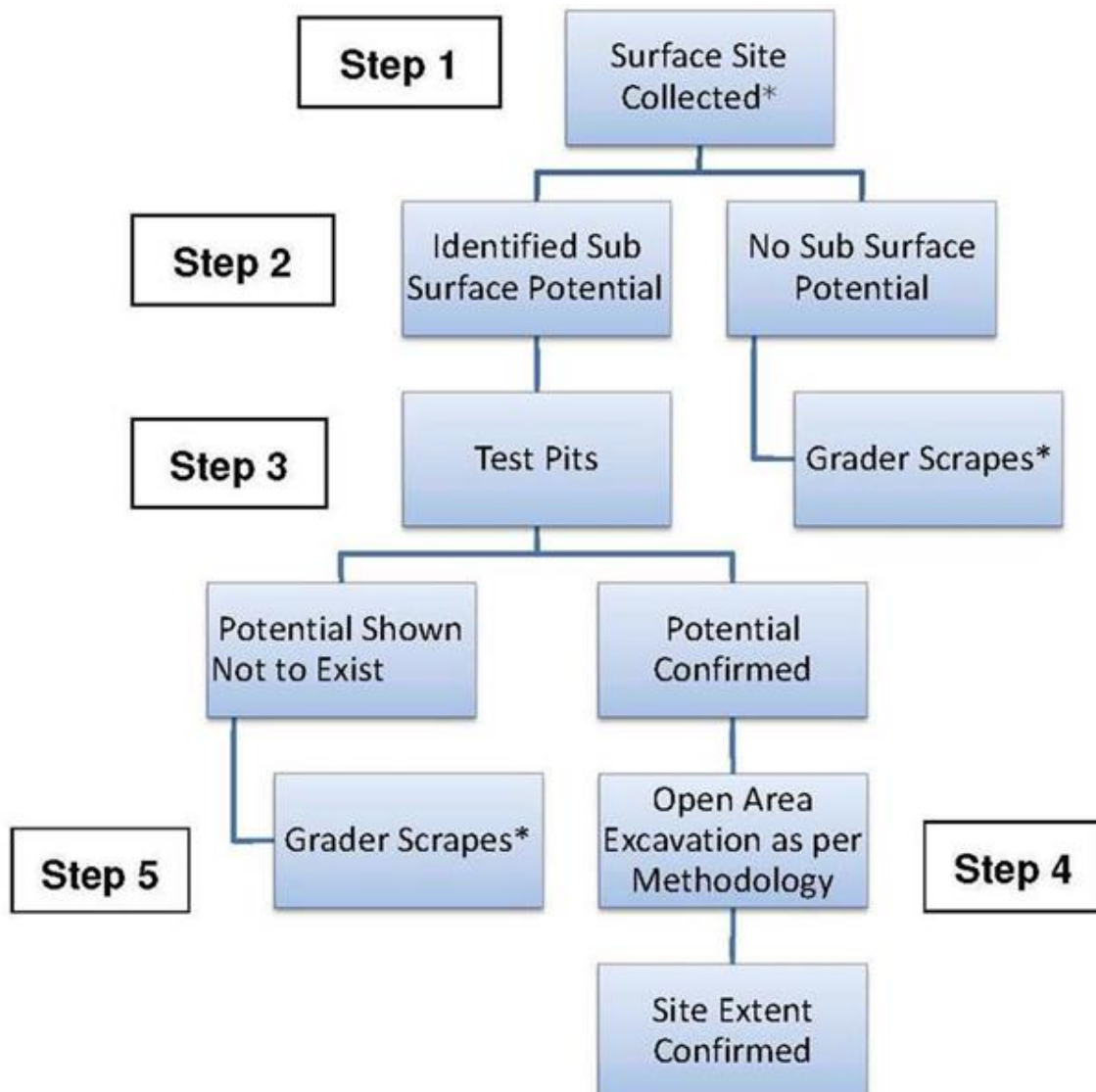


Figure 10 Site Mitigation by Salvage Flow Chart

Notes *The Leard State Forest has been identified to have general subsurface potential. Proceed straight to step 2 for specific activity areas when working in this zone.

*Grader Scrapes 50-100 mm per pass, to be taken down to clay (B horizon) where grader use is deemed practical. Lenses or discreet clusters of artefacts excavated in 1 m² units. Inspection by RAPs may take the place of grader scrapes in instances where the use of a grader is determined to be impractical by the BCOP Environmental Superintendent.

4.3.1 Step 1 Surface Collection

The following is undertaken during the surface collection:

- Known objects as identified in Appendix D of this HMP will be collected and relocated.
- Each object / site will be logged by GPS prior to collection.
- Inspection of surrounding area will be undertaken for additional objects recently exposed and the collection and recording program will include those objects
- Recording of site context / condition at time of collection will be undertaken
- Artefacts collected will be handled stored and recorded as outlined in Section 4.4.5
- Elsewhere outside of the Leard State Forest, where no A1 or A2 soil horizon is identified no further work is required
- Where there is potential for artefacts to be obscured by vegetation, sample grader scrapes may be undertaken to facilitate collection, where practical.

4.3.2 Step 2 Subsurface Potential

The Environmental Assessment identified areas of subsurface potential within the Project Approval boundary. The potential for subsurface material is closely linked to the presence of an A soil horizon. The Namoi River plain consists of cultivated clays with broad cracking resulting from wetting / drying cycles. The potential for subsurface artefacts in this environment is negligible.

The Baan Baa Range has some areas of potential where there has been little cultivation and the soil profile has retained its integrity – particularly in the saddle area. The Leard State Forest has duplex soils which have been shown to have subsurface potential.

If additional ground disturbance works are required, outside of the Leard State Forest, the following methodology, in consultation with the RAPs present, will be applied:

- Each collection location will be assessed by the archaeologist and the RAPs (who are on site at the time) for subsurface potential
- Identifying any area of potential deposits, indicated by undisturbed A1 and A2 soil horizons with a depth of 200 mm or more overlying B horizon clays or rock
- Where no subsurface deposit is identified go on to sample grader scrapes (i.e. in locations with less than 200 mm of A1 and/or A2 soil horizon). This process will enable the collection of artefacts that are not subsurface but are obscured by vegetation.
- Where subsurface potential is identified, BCOP will consult with the RAPs on the need for test excavation - Step 3.
- Recording environmental context of the locale.

4.3.3 Step 3 Test Excavation

Where subsurface potential is identified, BCOP will undertake test excavation in consultation with the RAPs. Test excavation shall occur in the following manner:

- Test excavation will generally be excavated in 0.25 - 1m² probes. Initial test probes, particularly in areas that have not been subject to visual disturbance / or / have been

identified as having greater stratigraphic potential, will be excavated in 50 mm spits and quadrates

- Once the stratigraphy of the location is understood the probes may be dug in one square metre area units and stratigraphical horizontal units as appropriate to the stratigraphy and level of disturbance. In some circumstances (with approval of Heritage NSW and agreement of RAPs) mechanical means may be used to dig test probes to minimise the potential damage to material in hard compacted soils
- Test probes will be extended in transects over the sample area at appropriate spacing being no more than 15 m between probe locations
- Transects will be placed to test different landform units and will be up to 150 m in length dependent upon the area of the landform unit. Therefore, transects will be placed on creek flats, plain, slope, and ridge landform units, where these units have A1 and A2 soil horizons greater than 200 mm deep
- Deposit will be dry sieved through 5 mm sieves. Wet sieving will be reverted to in response to damp and or heavy clay soil
- All excavated artefacts will be recorded, collected, and relocated in accordance with the process outlined in Section 4.4.5.

4.3.4 Step 4 Excavation

Where test excavation confirms artefact bearing deposits, excavation will be undertaken as follows:

- Test probes will be placed to determine the full extent of artefact bearing deposit. The central area of the site will be expanded until sterile deposit is reached / or a statistically valid sample has been retrieved and artefact numbers have diminished to a level that indicates that the main body of the site has been salvaged, as per the approved methodology agreed upon by all parties
- At the open area excavation stage, excavation units may be expanded in 0.25 m² – 1 m² units.
- Deposit will be excavated in arbitrary 100 mm spits or in stratigraphic sequence as appropriate
- Evidence or otherwise of bioturbation and taphonomic processes will be recorded in detail
- Deposits will be dry sieved in 5 mm sieves. Wet sieving will be used in response to damp and or heavy clay soil. Where a reduction event is suspected 3 mm sieves will be used
- Excavation of specific features such as potential hearths or stone treatment pits will be excavated in 50 mm spits by hand. Any feature that is particularly rare or of very high significance, as deemed by the archaeologist in consultation with the RAPs, will be subject to a reviewed methodology developed in consultation with the RAPs and Heritage NSW
- Samples of charcoal in stratified deposits will be retained for dating purposes
- All excavated artefacts will be recorded, collected, and relocated in accordance with the process outlined in Section 4.4.5.

4.3.5 Step 5 Grader Scrapes

Grader scrapes may be conducted in areas where deemed necessary by the archaeologist, in consultation with the RAPS on completion of test excavations where no further excavation is warranted or on completion of open area excavation.

The rational for grader scrapes are:

1. To expose subsurface features, such as ovens or hearths, that may be missed by test pits and open area excavations on the completion of archaeological salvage.
2. Where sites cover a broad area it is not feasible to excavate the area in its entirety. Grader scrapes can reveal concentrations of dense artefacts and features that may be missed by testing and open areas.
3. Grader scrapes provide an additional opportunity for cultural collection in areas that will be completely destroyed by approved activities.

Grader scrapes are concluded once a representative sample has been revealed, that is between 20 and 50% dependant on terrain and obstacles such as trees, rock outcrops and break of slope.

Where significant features such as ovens, hearths or very dense concentrations of artefacts are exposed, and the potential for the feature to continue to greater depth is confirmed by the known soil profile of the locale, scrapes will cease in that location, and the salvage process will revert to hand excavation.

In the case of an unusual feature such as an oven, excavation by hand will proceed in 50mm spits and 50 x 50cm units (quads).

Visual inspection by RAPs may take the place of grader scrapes in instances where the use of a grader is determined to be impractical by the BCOP Environmental Superintendent.

Where grader scrapes are undertaken these will include:

- Grader scrapes will be conducted over identified areas with passes removing 50–100 mm of soil per pass, dependant on grass cover etc.
- Scrapes will be continued aiming at 50 mm per pass where possible.
- Where significant features such as ovens, hearths or very dense concentrations of artefacts are exposed, and the potential for the feature to continue to greater depth is confirmed by the known soil profile of the locale, scrapes will cease in that location, and the salvage process will revert to hand excavation.
- Isolated finds and open sites revealed in the grader scrapes will be recorded in detail, collected and their location recorded by GPS
- Salvaged artefacts will be recorded, collected, and relocated in accordance with the process outlined in Section 4.4.5.

4.3.6 Step 6 Salvage Conclusion

The area cleared form will be used by the BCO, the archaeologist and the RAPs in attendance to sign following completion of salvage works in a designated area. When a site/area is salvaged, by object collection, subsurface excavation, or grader scrapes, the RAPs on site at the time, archaeologist and Boggabri Coal Operations will sign a form recording the results of the activity and any comments they may have about the activity. If satisfaction can't be reached by all three parties, only two parties will be required to sign off on the area as cleared to proceed. A responsibility matrix and an example form is included in Appendix F.

The aim of salvage is to retrieve a sample sufficient to characterise site content and internal structure to an extent conducive to description and analysis with little or no uncertainty. The salvage samples should exemplify the scientific heritage values of the site according to research potential / contribution and rarity and representativeness resulting in a contribution to local / regional understanding of occupation.

Large sites are not able to be salvaged in their entirety. Larger, spatially disperse sites require collection of a representative sample to identify and demonstrate internal variation. A sound representative sample has been established once repetition of relative ratios of artefacts types and materials is reflected across the site. The completion of this task will be determined by the archaeologist in consultation with the RAPs.

Although salvage works may have been completed in an area, it should be noted that if any potential human remains are observed work will cease and the NSW Police and Heritage NSW contacted for further investigation.

4.4 Artefact Curation

The following curation will be applied to Aboriginal objects salvaged as part of the project.

4.4.1 Treatment of Retrieved Materials

During the salvage process objects will be stored on site in a secure facility. A chain of custody will be prepared for any artefacts that leave site for specialist analysis. Ultimately the artefacts will be stored in a Keeping Place facilitated by BCOP in consultation with the ASCF (Section 4.6).

4.4.2 Analysis of Stone Artefact Material

General principles that apply to salvaged artefacts includes:

- Excavated artefacts will be bagged by location, date, probe, and spit at a minimum. Details will be collated into a catalogue in hard and electronic format
- Artefacts will be individually bagged or bagged in identifiable units back referenced to the catalogue. Bags will to be labelled outside and internally with archive quality recording media
- Excavated units suitable for answering specific research questions may be forwarded to an artefact analysis specialist for detailed analysis.

The central aim of the stone artefact analysis is to provide data to answer the research questions posed in Section 4.4.6. Assemblage character (type and function), raw material distribution and use, implement types, and function are the main stone tool issues requiring consideration. Artefact analysis may consist of:

- Bulk weight, minimum count of broken flakes and angular fragments. Recording raw material (colour, type) and presence / quantity of cortex / lustre – to identify potential primary reduction events and or heating / shatter events
- Identifying artefact attributes on whole flakes, size, cortex, platform, terminations, and breakage patterns
- Identifying artefact types such as flakes, implements, and debitage
- Identifying implement types by morphology and probable use (where the necessary features are exhibited) by analysis of residues and use wear
- Sample knapping events, where suitable, will be used to identify different technological reduction processes. Questions will include evidence of raw material conservation or otherwise, possible raw material sources, and reduction strategies. Techniques to be applied include conjoining, the analysis of shatter patterns, and lustre colour (heat treatment effects) on appropriate sample units
- Identifying activity areas or knapping floors (workshop areas) using the mapping of artefact distribution by artefact type and material and interpretation of same in a landscape context
- Documenting bioturbation and post taphonomic processes evident in the salvage process.

4.4.3 Scarred Tree Salvage and Curation

The salvage of the scarred trees will include:

- Archival photographic record of the tree will be undertaken in situ.
- Removing the scarred section of tree with as extensive non-scarred area as possible. Cut through the tree at ninety degrees to the trunk and leave the full thickness of trunk on behind the scar
- Two RAPs as per the roster will be invited to attend
- Scarred tree sections to be temporarily stored in a secure location on site. Ultimately the scarred trees will be housed at an appropriate facility with a roof to slow the rate of weathering or otherwise managed as agreed by the RAPs
- Tree sections to be mounted on a white ant barrier if on display
- The location/storage of the trees will be carried out in consultation with RAPs at the Keeping Place (Section 4.6) and can be carried out as planned by the RAPs.

4.4.4 Reporting

A brief annual review is prepared to document the year's salvage activity and is held by BCOP. A final report will be prepared upon the completion of the salvage activities associated with the project and will be submitted to DPE. The final report, which will incorporate the Stage 1 Salvage Report and subsequent salvage results, will address the research questions, and be submitted to DPE within 12 months of the completion of final salvage activities.

4.4.5 Artefact Management

Artefacts collected or excavated shall be managed as prescribed in the Code of Practice:

- Attributes as per the AHIMS site card will be recorded
- Artefacts will, initially, be bagged in excavation units
- In collection areas artefacts will be bagged and assigned an artefact ID. The location of collection will be recorded in GDA by handheld GPS
- Artefacts will then be recorded in detail and double bagged with tyvek tags
- Artefacts will be stored in the temporary facility at BCOP's site office. A chain of custody will be used to record the location of any assemblage that leaves site for further analysis
- Artefacts will eventually be stored in a Keeping Place the location of which will be determined in consultation with the RAPs and the ASCF (Section 4.6).

4.4.6 Interpretive Context

Research questions give context to the analysis of the sites salvaged during the project. The following questions are posed because of the Stage 1 salvage results.

- Within the Leard State Forest topography, is there variation between site frequency and density and aspect?
- What is the correlation between surface visibility/density of artefacts and the potential for subsurface deposits on the western slopes?

- ARAS Pty Ltd suggested that site BC34 may have had a ceremonial function. Is function reflected in the artefact assemblage?

The research questions will be amended / expanded or altered as a result of ongoing consultation with RAPs. The salvage data will be used to answer the research questions, as they develop, particularly with the cultural heritage values raised through the AHCS. The final salvage report will incorporate the research questions and will be submitted to DPE within 12 months of the completion of all salvage works at the mines end of life. All stages of the salvage will be managed by a qualified archaeologist.

4.5 Site Status Database

BCOP maintain a central on-site register of cultural heritage objects associated with the Boggabri Coal Project. The register will be updated when new sites are identified or have been salvaged. The register also captures Areas where salvage activities have taken place.

Appendix D details the status of sites within the BCOP Project Boundary. Aboriginal archaeological sites located in the BOAs and BCOP agricultural land are included in Appendix E. The register will be subject to internal audit during reviews of the HMP.

As sites are salvaged their details will be recorded in the annual salvage review and the AHIMS data base updated within two months via Aboriginal Site Impact Recording Form (ASIRF).

4.6 Keeping Place

As stated in BCOP statement of commitments, a Keeping Place is required to be established. The Keeping Place development and scope is the subject of ongoing discussions between BCOP and RAPs during ASCF meetings. Until the Keeping Place is established, salvaged artefacts will remain in temporary storage in a locked facility at BCOP offices until a permanent storage plan is developed.

5.0 Historic Cultural Heritage

Plan of Management

5.1 European Heritage

The Environmental Assessment prepared in 2010 identified a number of items of moderate to high heritage value within the Project Approval boundary and adjacent BCOP owned properties. The distribution of all sites referred to in the EA is illustrated on Figure 11.

Heathcliffe had been identified as an item of local significance and at the time of the EA was thought to be subject to impact by the proposed rail viaduct. Minor project changes have avoided this and Heathcliffe has not been directly impacted.

The Piggery at Daisymede 3 was impacted by the construction of the rail and required demolition. The site had low heritage significance and has been managed in accordance with the EA commitments.

In 2013 a dilapidation report was prepared for Heathcliffe homestead prior to construction of the rail loop. In December 2018 the building burnt down and all that remains is the original chimney.

The remaining heritage items will not be impacted by the project and are located outside the Project Approval boundary. The mitigation measures will be undertaken in accordance with the standards and procedures outlined by Heritage NSW.

The Environmental Assessment (2010) identified assessed a number of heritage items. Table 4 shows those items ranked as moderate or high significance and the proposed management measures.

Table 4 Heritage Items of Moderate or High Significance

| Item ID | Item | Criteria and Significance | Management Measure |
|---------|-------------------------------------|---------------------------|--|
| EH4 | Merriown - homestead | Moderate (3) (5) local | Will be maintained and used for accommodation |
| EH5 | Daisymede 1 homestead | Moderate (3) (5) local | Will be maintained and potentially used as an office |
| EH 6 | Daisymede 2 shearing shed and yards | Moderate (3) (5) local | Maintained and leased |

| | | | |
|--------------|-------------|--|--|
| EH 8 | Heathcliffe | Moderate (3) local high (5) local | This building burnt down in 2018 and only the brick chimney survives |
| EH 10 | The Rock 2 | High (1) local and Moderate (5) local | Will be maintained |
| EH 11 | Harvester 1 | Moderate (3) local | Will be relocated if necessary |
| EH 12 | Harvester 2 | Moderate (3) local | Will be relocated if necessary |

Source: Continuation of Boggabri Coal Mine Environmental Assessment, Hansen Bailey (2010)

The items deemed to be of low local heritage significance in the Environmental Assessment (2010) are presented in Table 5.

Table 5 Heritage Items of Low Local Significance

| Item Id | Item | Criteria & Significance | Management Measure |
|-------------|--------------------------|--|---|
| EH 1 | Leard State Forest | Low local - Scant evidence of past forestry activities | Partial impact by pit. No heritage measures required |
| EH 2 | Nagero 1 - Residence | Low local due to modification | Adaption and use as offices |
| EH 3 | Nagero 3 – Shearing Shed | Low local. A common feature, poor condition | No impact will be maintained |
| EH 7 | Daisymede 3 - Piggery | Low local significance – poor condition | Will be impacted by rail corridor. Has been recorded and demolished |
| EH 9 | The Rock 1 - Homestead | Low local– common feature without evidence of early occupation | No impact. Will be maintained and used for accommodation |

Source: Continuation of Boggabri Coal Mine Environmental Assessment, Hansen Bailey (2010)

Key for Tables 4 & 5

Significance Grading

High - High degree of original fabric. High degree of intactness. Item can be interpreted relatively easily. Fulfils criteria for local or State listing.

Moderate - Altered or modified elements. Elements of little heritage value but which contribute to the overall significance of the item. Fulfils criteria for local or State listing.

Low - Alterations detract from significance. Difficult to interpret. Does not fulfil criteria for local or State listing.

Significance Criteria

- (1) An item is important in the course, or pattern, of NSW's cultural or natural history (or the cultural or natural history of the local area).
- (3) An item is important in demonstrating aesthetic characteristics and /or a high degree of creative or technical achievement in NSW (or local area).
- (5) An item has potential to yield information that will contribute to an understanding of NSW's cultural or natural history (or the natural or cultural history of the local area).

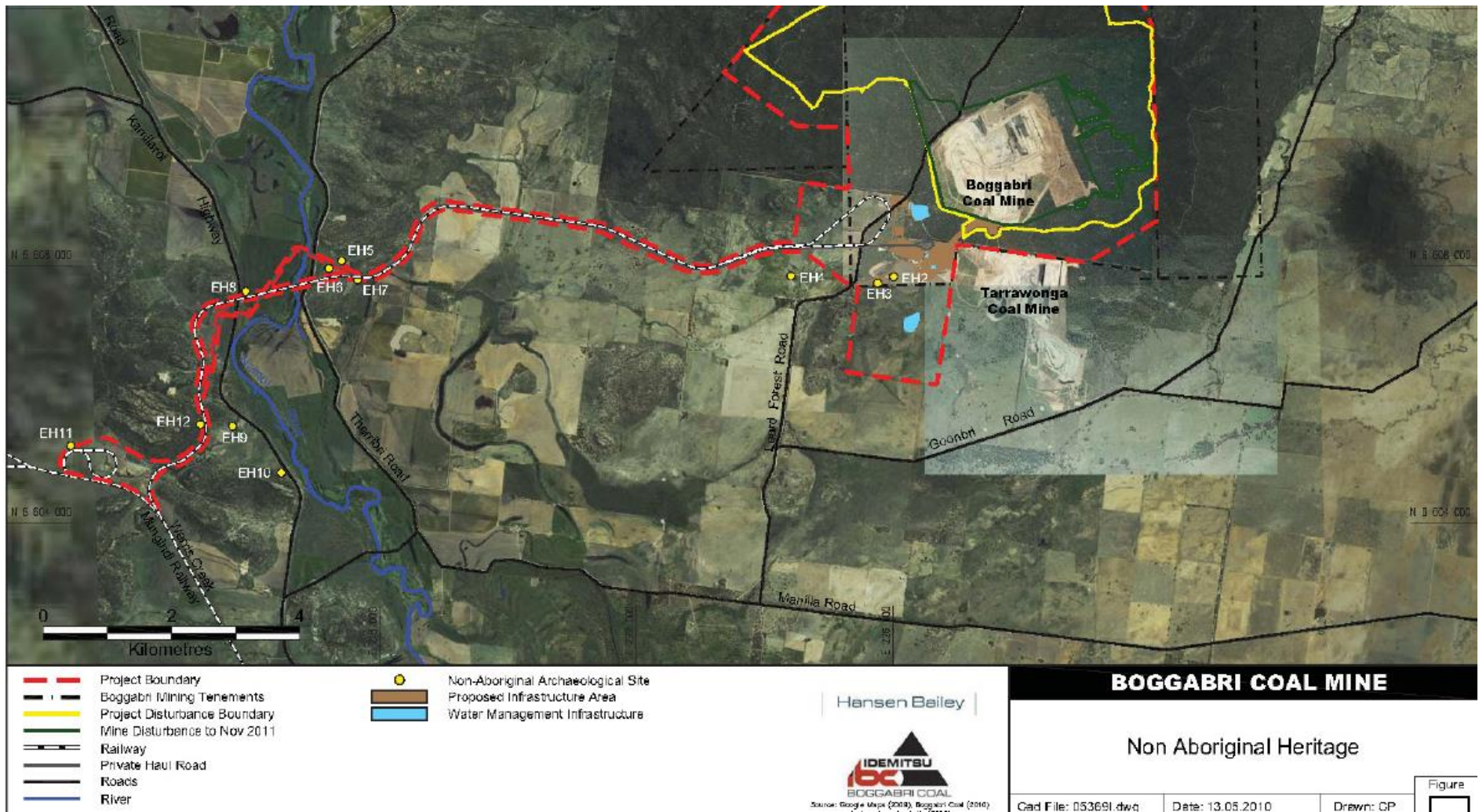


Figure 11 Distribution of heritage sites in or near the Project Approval boundary

5.2 General Management

5.2.1 Heritage Structure Maintenance Principles

The maintenance of the buildings will be undertaken to ensure that:

- The buildings remain at (minimum) their current level of repair
- Deterioration caused by ingress of weather or vermin will be minimised
- The structural soundness of the buildings is maintained
- Buildings will remain in a weather proof and stable condition.

Any changes or modifications to the buildings on BCOP holdings (outside the Project Approval boundary) remain subject to Narrabri Council requirements. At this time, no buildings on BCOP holdings are listed on any heritage register.

As part of the management of BOA properties, buildings will be assessed for heritage values and listed on the Narrabri Local Environmental Plan as warranted. Where applicable (i.e. on a listed heritage structure) the following principles will apply.

Conservation works to heritage buildings will be planned and undertaken to conserve the heritage significance of the structure. The *Burra Charter*³ principles to “do as much as necessary, but as little as possible” will be applied. Conservation techniques will apply best practice techniques. The principles of the Heritage Office 1998 maintenance series⁴ and will be applied in the maintenance of any listed heritage buildings identified BCOP properties.

5.3 Heritage Structure Recording

As outlined in Appendix B, the *Heritage Act 1977* provides the legislative framework for protecting and maintaining the historic heritage of NSW. The Act is concerned with all aspects of the protection and conservation of environmental heritage, including buildings, works, places, or relics that are of historic, scientific, cultural, social, archaeological, architectural, natural, or aesthetic significance to the State of New South Wales (but not being related to Aboriginal settlement).

Heritage items have been identified either within or in close proximity to the Project Approval boundary. However, these items are unlikely to be impacted by the operation of the mine. In accordance with item 28 of the Statement of Commitments (SOC) particular items will be archivally recorded if they are to be impacted or moved.

The following heritage items have been identified in the BCOP project boundary and assessed as being of moderate local significance. These items, except for Daisymede 3, will not be impacted by the project.

³ Australian ICOMOS *Charter for the Conservation of Places with Cultural Significance* (also known as the *Burra Charter*) <http://australia.icomos.org/publications/charters/>

⁴ <http://www.environment.nsw.gov.au/Heritage/publications/index.htm#maintenance>

5.3.1 Daisymede 1, 2, & 3

These sites are located outside the impact area.

Daisymede 1 – the homestead - is located about 100 m from the proposed construction works. Daisymede 1 will not be directly impacted, however, in accordance with the maintenance principles the building will be maintained in its current condition.

Daisymede 2 – woolshed and sheep yards. The woolshed is in good condition and will be maintained in its current condition. The sheep yards are in poor condition and will be fully recorded and managed as an archaeological site.

Daisymede 3 – the piggery was in poor condition and demolished prior to the construction of the rail spur. The site was rated as of low local significance and an archival recording was prepared in 2014 by Insite Heritage.

5.3.2 Heathcliffe

Individually most structures at Heathcliffe are of little significance. However, collectively they provide a detailed insight into vernacular design and construction from over a century of occupation. Heathcliffe will not be directly impacted by the construction of the rail spur however the close proximity may indirectly impact on the site.

An archival recording has been prepared of the building and will be submitted to the Narrabri Council – Local Studies Library.

This building burnt down in 2018 and only the brick chimney survives.

5.3.3 Harvesters 1 & 2

These items are of relatively low significance and have not been impacted. The harvesters can remain in situ or be offered to the Boggabri Historical Society for display opportunities.

5.3.4 The Rock Inn & Cemetery

The Rock cemetery is of local significance and will not be impacted by the project. As the property owner, BCOP shall proactively manage the site to conserve and maintain the site's significance. Baseline data and detailed recording of the site, including scale plans and photographic record will be prepared for archival recording.

The site will be subject to a full significance assessment, after definition of boundaries and archaeological potential, and listing on the Narrabri Local Environmental Plan as warranted.

5.3.5 Merriown

Will be maintained and used for accommodation.

5.3.6 Other Heritage Assets on BCOP Property

BCOP has purchased additional properties for management and biodiversity offset purposes. The heritage assets on these properties, where they exist, will not be impacted by the project.

- **Research**

Identify if the property has a history of occupation of any type. The historical context of the property will be investigated to identify potential thematic values and to place the property in an historical context. Assess the community's understanding of any potential item.

- **Identification of Heritage Assets**

The properties will be inspected by BCOP's historic archaeologist, to identify the heritage value of standing structures. The inspection will identify the history of the item, the fabric of the item.

- **Identification of Archaeological Potential**

The historical context and a site inspection / field survey will be carried out to identify any potential archaeological relics and or deposit.

- **Assess the Significance of the Item**

- Summarise the process above
- Describe previous and current uses of the item, its association with individuals or groups and its meaning to those people
- Assess the significance of the item using NSW heritage assessment criteria
- Prepare a succinct statement of heritage significance.

- **Notification**

The Heritage NSW will be notified of any assets with local or state significance in accordance with the Section 146 of the *Heritage Act 1977*.

- **Prepare Appropriate Management Strategies**

Property specific management strategies shall be prepared for the heritage assets on each property. The strategies will include the implications of the item's significance level, the constraints and opportunities arising from the significance. The strategy will then be referenced in the updated Cultural Heritage Management Plan.

5.3.7 Unidentified Heritage Items

Should the new discovery be suspected to be human remains, the procedure in Section 3.5 will be followed.

Where previously unidentified heritage items are located within the Project Approval boundary or within acquired BCOP properties, the following process will be applied.

There may be heritage items outside the Project Approval boundary on properties purchased by BCOP for management and offset purposes. These properties will be subject to a heritage assessment and any heritage assets identified will be managed according to the heritage structure maintenance requirements. Any archaeological assets will be fenced and managed to avoid any inadvertent impact.

Section 146 of the *Heritage Act, 1977* requires that the discovery of a previously unknown relic of state or local heritage significance be reported to the Heritage Council within a reasonable time of its discovery. As such, staff involved in the planning and development of the proposed works will be made aware of:

- The location and nature of known items of heritage significance
- Measures to avoid impact on known items
- The potential for the existence of previously unknown heritage items
- The nature of such items
- Protection afforded these items by the *Heritage Act, 1977*
- Appropriate action if any items of potential heritage value are located.

6.0 Monitoring

The monitoring associated with this HMP is detailed in the following sections.

6.1 Aboriginal Heritage

The condition of extant sites within the Project Approval boundary will be monitored on an annual basis. Two RAPs will be invited to attend the inspections with the BCOP Environment Superintendent, or their representative, during the operational phase of the project. Sites within 100 m of active work areas will be monitored more frequently if deemed necessary in response to potential additional threats (such as active erosion).

6.2 Historical Sites

The process for monitoring of earthworks where potential archaeological deposits have been identified is described in Section 3.3.3. Earthworks are not proposed in the vicinity of heritage items except for Heathcliffe where the earthworks were undertaken outside the area of archaeological potential. Heathcliffe has subsequently burnt down.

Should an unidentified heritage item suspected to have heritage significance be found, then the procedure outlined in Section 5.3.7 will be followed.

7.0 Auditing

The Project Approval (Schedule 5, Condition 10) requires that an independent environmental audit, which will include a review of the HMP, is commissioned by the end of June 2014 and every three years thereafter, unless the Secretary directs otherwise. In May 2014 BCOP was subject to an independent environmental audit in satisfaction of Schedule 5, Condition 10 Recommended measures and actions identified in relation to cultural heritage management during the audit have been incorporated into revisions of the HMP. The most recent Independent Environmental Audit was undertaken in 2020 and recommendations including the revision of the HMP have been undertaken.

The Project Approval also allows for an independent review of heritage management should it be requested in writing to the Secretary and deemed warranted by the Secretary. The review

must be carried out by a suitably qualified, experienced, and independent person, whose appointment has been approved by the Secretary. If an independent review is commissioned, the findings of the review will be incorporated into future revisions of the HMP.

8.0 Reporting and Review

Various reports will be prepared at regular intervals detailing the management of Aboriginal objects at BCOP. These reports and reporting periods are discussed in detail below.

8.1 Salvage Report

A salvage report was prepared and submitted following the end of Stage 1 salvage works.

Salvage works undertaken ahead of mining and are generally planned to cover the proposed tree clearing area for the following 12 months. At the end of each salvage activity a report summarising the findings is prepared by the archaeologist and submitted to BCOP.

In accordance with Project Approval conditions a compiled salvage report will be submitted to DPE within twelve months of the completion of salvage works at the end of mining.

8.2 Annual Report

BCOP prepares and submits an Annual Review in respect of the environmental performance of the development to the relevant agencies.

The Annual Review must be submitted by the end of March each year for the previous calendar year reporting period, unless otherwise specified.

The Annual Review contains a section on cultural heritage management during the reporting period.

8.3 Incident Reporting

The process undertaken to deal with incidents such as the discovery of a previously unknown object (Sections 3.4 and 5.3.7), discovery of potential human remains (Section 3.5), or damage to a known Aboriginal site (Section 3.6) will be reported, recorded, and investigated in accordance with BCOP's Incident Management Procedure. Incident reports are stored in accordance with procedure and will be available to the relevant authority upon request.

Where notification is a requirement, the incident report will contain relevant details of the investigation and will be forwarded to DPE, Heritage NSW, and RAPs.

8.4 HMP Review

In accordance with Project Approval (Schedule 5 Condition 5), within 3 months of the submission of an annual review, incident report, audit, or any modification to the conditions of

the Project Approval, BCOP will undertake a review of the HMP and if necessary revise the document and submit the revision to DPHI for approval.

Revisions of the HMP will be consulted with Indigenous stakeholders via ASCF meetings prior to submission with DPHI/DPHI.

The HMP has been reviewed over time and processes amended (in consultation with the Department and RAPs) to improve the outcome of salvage activities. Future review of the HMP may be undertaken where the outcomes of field work, investigations and/or consultation with RAPs identifies potential opportunities to improve the efficiency or effectiveness of procedures and mitigation strategies.

8.5 Contract Specific Environmental Management Plans

Contract specific environmental management plans (EMPs) may be required to be prepared by individual Contractors who undertake contract work for BCOP.

These Tier 3 environmental management system documents will reflect the intent of BCOP's environmental management documents such as the mining operations plan, environment protection licence, and EMPs.

BCOP's representative will review and audit the contract specific EMPs for compliance against their own EMP before commencement of work on site.

9.0 Incident and Complaint Management

Construction and mining contractors may identify incidents associated with cultural heritage management during the project through their monitoring programs and inspections.

The public and RAPs may also identify incidents associated with cultural heritage management at BCOP.

9.1 Incident Management

All incidents impacting or potentially impacting cultural heritage will be managed in accordance with BCOP or contractors' Incident Management Procedure. This procedure outlines a standard process for reporting and responding environmental incidents for all BCOP employees, contractors, and subcontractors at the project.

9.2 Complaint Management

All community complaints relating to cultural heritage from the project are to be managed in accordance with the BCOP Incident Management Procedure for community complaint

management. This procedure outlines a standard process for reporting and responding to community complaints for all BCOP employees and contractors at the Boggabri Coal Mine.

10.0 Corrective and Preventative Actions

Contractors and BCOP employees will be involved in implementation of corrective and preventative actions during the operation of the project.

10.1 Non-Compliance and Corrective Actions

Following an identification of a non-compliance or incident, corrective actions will be identified and agreed on with relevant personnel (and regulators if required) prior to implementation. Where the non-compliance or incident issue is associated with an inspection, audit or monitoring event, the actions will be linked to the record of the event. Incident reports will be reviewed on a regular basis to ensure actions are progressed appropriately.

11.0 HMP Aboriginal object of Commitments

Table 6 EA Statement of Commitments – Actions and Outcomes

| Statement of commitments | Action | Outcome |
|---|--|---|
| 21. The salvage and the protection of all known Aboriginal objects within The Project Boundary will continue to be managed in accordance with a revised HMP in consultation with the Aboriginal community and OEH. | <p>Protection of site throughout the life of the project where these are located outside the project approval boundary. Protection by fencing, exclusions zones, and induction. Protection of sites that are listed for salvage until impact is required.</p> <p>Salvage of sites as per the HMP prior to impact.</p> | <p>Sites remain in situ at the end of the project.</p> <p>Archaeological values are retained in-situ until the site is salvaged.</p> <p>Artefacts and their context are recorded in detail and analysis of the data will provide an interpretation of the Aboriginal occupation of the Project Approval boundary.</p> |
| 22. BCOP will establish a keeping place for the purpose of housing salvaged Aboriginal artefacts from the mine site. | <p>A Keeping Place working group shall be established to progress the establishment of a Keeping Place. Members of the working group will represent a cross section of community groups and be tasked with consulting with those groups.</p> | <p>Artefact management will be undertaken by community members at the Keeping Place.</p> |
| 23. BCOP will undertake archival recordings of the Daisymede shearing shed and yards, Daisymede piggery and the Heathcliff property residence prior to any disturbance or relocation of these sites. | <p>Should any activity potentially impact on the sites identified in Tables 13 and 14 the appropriate HMP mitigation measure will be undertaken including recording of archaeological deposits where they occur.</p> | <p>The heritage values of the structures have been recorded to archival quality. Any archaeological deposits will be recorded and interpreted in a local / regional context.</p> <p>The Heathcliff property burnt down in 2018.</p> |
| BCOP undertake to prepare and implement an Aboriginal Heritage Conservation Strategy for The Project and biodiversity offset areas. | <p>Funding made available to identify the Aboriginal cultural heritage values in the offset areas, identify the significance of those values, identify options for enhancing and conserving those values and consider cumulative impacts and the potential for joint initiatives with other mines for enhancing and conserving those values.</p> | <p>Additional data gained about areas that otherwise may not have been assessed and develop strategies to preserve those values in the long term.</p> <p>The AHCS has been developed and approved in consultation with Maules Creek and Tarrawonga Coal Mines.</p> |

12.0 Roles and Responsibilities

Compliance with this HMP is the responsibility of all project personnel, including BCOP employees and contracted staff. The key roles and responsibilities for cultural heritage management are detailed in Table 6.

Table 7 Key Roles and Responsibilities

| Role | Responsibility |
|-----------------------------------|---|
| BCOP General Manager | Ensuring appropriate resources are available for the implementation and maintenance of appropriate cultural heritage protection and management measures within The Project Boundary and other BCOP owned property associated with the project. |
| BCOP General Manager Operations | Ensuring that appropriate cultural heritage management measures are implemented and maintained on site by BCOP subcontractors and employees. |
| BCOP Environmental Superintendent | <p>Assisting the Training Coordinator to ensure appropriate training and awareness programs are developed and implemented.</p> <p>Managing cultural heritage values within the Project Approval boundary and other BCOP owned property associated with the project through the management of contractors (ground disturbance works) by due diligence, and completion of activities prescribed under the salvage, in situ conservation, monitoring and reporting requirements where necessary.</p> <p>Providing assistance and advice to all project personnel to fulfill the requirements of this HMP.</p> <p>Delegating specific HMP tasks to appropriately qualified and experienced personnel.</p> <p>Acting as the principal point of advice in relation to the cultural heritage management performance of the project</p> <p>Addressing complaints and providing project-wide advice to ensure a consistent approach and achievement of the objectives outlined in Section 1.</p> <p>Liaising with relevant authorities and RAPs as necessary.</p> <p>Arranging appropriate consultation with the RAPs throughout the course of the project.</p> <p>Undertake modeling of fly rock and vibration zones at the location of known sites identified as potentially vulnerable to blasting.</p> |

| Role | Responsibility |
|---|--|
| | Review and revision of HMP. |
| BCOP Health & Safety Superintendent | <p>Ensuring appropriate training, induction and awareness programs are developed and implemented through the induction program and general toolbox meetings.</p> <p>Ensuring all project personnel have received appropriate training and are qualified to undertake their role.</p> <p>Training, induction, and awareness activities.</p> |
| All project personnel (BCOP employees and mine contractors) | <p>Undertaking all activities in accordance with the requirements of this HMP.</p> <p>Informing supervisors of any cultural heritage management issues as they arise.</p> |

13.0 References

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Department of Environment, Climate Change and Water (DECCW), 2010. *NSW Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.*

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Appendix A. Conditions of Consent 55, 56 & 57 Aboriginal Heritage Conservation Strategy, Heritage Management Plan & Salvage Program

HERITAGE

Aboriginal Heritage Conservation Strategy

55. The Proponent shall prepare and implement an Aboriginal Heritage Conservation Strategy for The Project and the Biodiversity Offset Strategy areas to the satisfaction of the Director-General. This Strategy must enhance and conserve the Aboriginal cultural heritage values (both cultural and archaeological) and provide for their long-term protection and management. The strategy must:
- (a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Director-General;
 - (b) be prepared in consultation with OEH, the local Aboriginal community and other mines within the Leard State Forest Mining Precinct, and submitted to the Director-General for approval within 18 months from the date of project approval;
 - (c) identify the Aboriginal cultural heritage values of the Biodiversity Offset Strategy areas;
 - (d) identify areas of high Aboriginal cultural heritage significance within both the site and the Leard State Forest Mining Precinct;
 - (e) identify a range of options for enhancing and conserving Aboriginal cultural heritage values, with specific consideration of the potential for the long-term protection and management of significant sites within either the site, the Biodiversity Offset Strategy areas or other lands within the Leard State Forest Mining Precinct;
 - (f) consider cumulative impacts and potential for developing joint initiative with other mines within the Leard State Forest Mining Precinct for enhancing and conserving Aboriginal cultural heritage values.

Heritage Management Plan

56. The Proponent shall prepare and implement a Heritage Management Plan for The Project to the satisfaction of the Director - General. This plan must:
- (a) Be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Director-General;
 - (b) Be prepared in consultation with the OEH and the local Aboriginal stakeholders (in relation to the management of Aboriginal heritage values);
 - (c) Be submitted to the Director-general for approval prior to any development that may impact Aboriginal objects, unless the Director- General agrees otherwise;
 - (d) Include the following for the management of Aboriginal heritage:
 - A detailed plan for the implementation of the approved Aboriginal Heritage Conservation Strategy;
 - A description of the measures that would be implemented for ;
 - Protecting, monitoring and managing Aboriginal sites on the site which are outside of the approved disturbance area;
 - Maintaining and managing reasonable access for Aboriginal stakeholders to Aboriginal objects on the site and within the Biodiversity Offset Strategy areas;
 - Managing the discovery of any human remains or previously unidentified Aboriginal objects on site, including (in the case of human remains) stop work provisions and notification protocols; ongoing consultation of the local Aboriginal stakeholders in the conservation and management of Aboriginal cultural heritage both on-site and within any Aboriginal heritage conservation areas; ensuring any workers on site receive suitable heritage inductions prior to carrying out any activities which may disturb Aboriginal sites, and that suitable records are kept of these inductions;
 - A strategy for the storage and management of any Aboriginal objects salvaged on site, both during The Project and long term.
 - (e) Include the following for the management of historic heritage:
 - A detailed plan for the implementation of mitigation and management measures for historic Aboriginal objects identified to be impacted by The Project, in particular proposed consultation, archival recording, research and archaeological investigations

to be undertaken for the locally significant *Heathcliffe* residence prior to and during any disturbance;

- A detailed plan for management measures for maintaining or enhancing the heritage values of Aboriginal objects on project – related land which are outside of the approved disturbance area;
 - A description of the measures that would be implemented for;
 - Managing the discovery of human remains or previously unidentified Aboriginal objects on site; and
 - Ensuring worker on site receive suitable heritage induction prior to carrying out any development on site, and that suitable records are kept of these inductions.

Notes – The Department acknowledges that the initial Heritage Management Plan may not include a detailed plan for the implementation of the Aboriginal Heritage Conservation Strategy. If this occurs the Proponent will be required to update the plan as soon as practicable following the Director-General's approval of the Aboriginal Heritage Conservation Strategy.

Archaeological Salvage Program

57. The proponent shall prepare and implement an Archaeological Salvage Program for The Project to the satisfaction of the Director-General. This Program must:

- (a) Be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Director –General;
- (b) be prepared in consultation with the OEH and the local Aboriginal stakeholders;
- (c) incorporate methodology including:
 - Sub-surface testing
 - Staged salvage, based on anticipated mine planning;
 - Pre-disturbance monitoring;
 - Site assessment and reporting protocols;
 - Research objectives to inform knowledge of Aboriginal occupation;
 - Protection, storage and management of salvaged Aboriginal objects;
 - Addressing relevant statutory requirements under the National Parks and Wildlife Act 1974; and
 - Proposed long term plan for protection of salvaged Aboriginal objects.

Appendix B. Relevant Legislation

Statutory Requirements

Statutory requirements include any Commonwealth, State or local requirements under any provisions of relevant acts and regulations, environmental planning instruments (e.g. State Environmental Planning Policies, Regional Environmental Plans, Local Environmental Plans and Development Control Plans) and any other relevant guidelines.

While all efforts are made to detail these legislative requirements at the time of the preparation of this document, it is BCOPBCOP's Environment Superintendent's responsibility to ensure identification of, and compliance with, all relevant legislative requirements.

Commonwealth

The following Commonwealth statutory requirements associated with the management of cultural heritage issues during the operations phase of The Project have been considered during the development of this HMP.

Aboriginal and Torres Strait Islander Heritage Protection (Interim Protection) Act 1984

The *Aboriginal and Torres Strait Islander Heritage Protection (Interim Protection) Act 1984* allows Aboriginal people to apply to the Commonwealth Minister for the Environment to make a protective declaration where a site or area of "particular significance to Aboriginal in accordance with Aboriginal tradition" from desecration. The Minister is required to consider whether the site is afforded adequate protection prior to making the declaration. The declaration can be of any length of time and is subject to public submissions. Declarations are put before both Federal Houses of Parliament and can be disallowed. Section 13(3) allows the Minister to nominate a mediator to resolve matters to which the declaration application relates (Farrier et al. p 328-329).

No applications within the Project Approval boundary or the near vicinity have been made.

Native Title Act 1993

The Native Title Act 1993 (NT Act) establishes a framework for the protection and recognition of native title in Australia. It is administered by the Native Title Tribunal, which is responsible for maintaining a register of native title claimants and holders. Under this Act, native title claimants and holders must be consulted before a mining lease is granted on land over which a native title claim applies. The NT Act prescribes that native title can be extinguished under certain circumstances, including the granting of freehold land.

There is one active registered native claim (Tribunal File Number NC2011/006) over The Project area, which was filed in December 2011 by the Gomeroi People. BCOP will undertake appropriate consultation as required for any land impacted by the claim.

Environment Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) is the Australian Government's key piece of environmental legislation which commenced 16 July 2000.

The EPBC Act focuses Commonwealth Government interests on the protection of matters of national environmental significance, with the states and territories having responsibility for matters of state and local significance. The Commonwealth Government Department of Climate Change, Energy, Environment and Water administers the EPBC Act. The objectives of the EPBC Act are to provide for the protection of the environment, on matters of national environmental significance, conserve Australian biodiversity, provide a streamlined national environmental assessment and approvals process, enhance the protection and management of important natural and cultural places. The Act also controls the international movement of plants and animals (wildlife), wildlife specimens and products made or derived from wildlife. The Act aims to promote ecologically sustainable development through the conservation and ecologically sustainable use of natural resources.

No cultural places subject to this Act are known to occur within or in the near vicinity of the Project Approval boundary. Under the EPBC Act, Matters of National Environmental Significance (MNES) were assessed and identified, including Box Gum Woodland CEEC and habitat for threatened species. Mitigation and offset measures have been proposed.

New South Wales

The following New South Wales' statutory requirements associated with the management of cultural heritage issues during the operations phase of the project have been considered during the development of this HMP.

Environmental Planning and Assessment Act 1979

In summary, the *Environmental Planning and Assessment Act 1979* (EP&A Act), facilitates mechanisms to encourage:

- The proper management, development, and conservation of natural and artificial resources, including agricultural land, natural areas, forests, minerals, water, cities, towns and villages for the purpose of promoting the social and economic welfare of the community and a better environment
- The promotion and co-ordination of the orderly and economic use and development of land
- The protection of the environment, including the protection and conservation of native animals and plants, including threatened species, populations and ecological communities, and their habitats
- The sharing of the responsibility for environmental planning between the different levels of government in the state.

The EP&A Act also provides for consideration of Aboriginal heritage and referral to Heritage NSW as part of the development approval process, where an Aboriginal object or place is to be harmed. DPHIDPHI is the approval body for BCOP Continuation of Mining which has been assessed as a transitional Part 3A project. Part 3A approvals “turn off” the requirement for permits, such as AHIPs, under s87 and s90 of the *National Parks and Wildlife Act 1974*.

National Parks and Wildlife Act 1974

The *National Parks and Wildlife Act 1974* (as amended) (NPW Act) is the primary legislation regulating the protection of Aboriginal heritage through the administration of Part 6 of the NPW Act.

An Aboriginal object is any deposit, object, or material evidence (not being a handicraft made for sale) relating to Aboriginal habitation of the area that comprises NSW being inhabited before or concurrent with the occupation of that area by persons of non-Aboriginal extraction and includes Aboriginal remains (as defined within the meaning of the NPW Act).

An Aboriginal place is a place which has been declared so by the Minister administering the NPW Act because he or she believes that the place is or was of special significance to Aboriginal culture. It may or may not contain Aboriginal objects.

Heritage NSW’s responsibilities under Part 6 of the NPW Act are triggered where a development activity is likely to impact on Aboriginal objects (also referred to as sites) and declared Aboriginal places. The requirement for an approval for impact by Heritage NSW under sections 90 and 87 of the NPW Act (known now as AHIPs) is not required for this project which is subject to the Part 3A approval process.

Obligations to report the recording of new sites and impacts / salvage of known sites are required to be met under Section 89A of the NPW Act. The purpose of this section is to keep the AHIMS database informed of sites recorded and changes in condition.

The ongoing management of objects after salvage is managed through the HMP and a Care Agreement under s89 is not required for Part 3A approvals.

Brigalow and Nandewar Community Conservation Area Act 2005

The *Brigalow and Nandewar Community Conservation Area Act 2005* (BNC Act) provides the framework for the management of all the land in the Community Conservation Area (BNC Conservation Area) of the Brigalow and Nandewar area. The BNC Act was entered into by the Minister for Climate Change and the Environment, the Minister for Primary Industries and the Community Conservation Council who manage the agreement through OEH.

The agreement applies to crown land that has been divided into four zones:

- Zone 1 – national park managed under the NPW Act
- Zone 2 – Reserved Aboriginal Area under the NPW Act
- Zone 3 – State conservation area under the NPW Act for the purposes of conservation, recreation, and exploration, mining and petroleum production
- Zone 4 – dedicated as state forest under the Forestry Act 1916 for the purposes of forestry, recreation, and mineral extraction.

The Leard State Forest, and therefore most of the Project Approval area, is located in Zone 4.

Heritage Act 1977

The *Heritage Act 1977* is concerned with all aspects of conservation ranging from the most basic protection against damage and demolition, to restoration and enhancement. It recognises two levels of heritage significance, State significance and local significance, across a broad range of values.

Some key provisions of the Act are:

- The establishment and functions of the Heritage Council (Part 2)
- Interim heritage orders (Part 3)
- The State Heritage Register (Part 3A)
- Heritage Agreements (Part 3B)
- The protection of archaeological deposits and relics (Part 6)
- The management of State government owned and managed items (Part 8).

Generally, this Act provides protection to items that have been identified, assessed, and listed on various registers including state government Section 170 registers, Local Environment Plans, and the State Heritage Register. The only 'blanket' protection provisions in the Act relate to the protection of archaeological deposits and relics.

The usual requirement for a S140 permit or excavation exemption prior to disturbance of archaeological deposits and relics is not required under a Part 3A approval, and the management of those activities are prescribed through the approved HMP.

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007 (Mining SEPP) aims to provide for the proper management and development of mineral, petroleum, and extractive material resources for the social and economic welfare of the state.

Clause 7 of the Mining SEPP lists ‘*mining*’ as permissible on any land, with development consent when carried out on ‘*land where development for the purposes of agriculture or industry may be carried out (with or without development consent) or land that is, immediately before the commencement of this clause, the subject of a mining lease under the Mining Act 1992 or a mining licence under the Offshore Minerals Act 1999*’.

Part 3 of the SEPP provides matters for consideration by the consent authority before determining an application including natural resource management and environmental management.

Local

The following local statutory requirements associated with the management of cultural heritage issues during the operations phase of the project have been considered during the development of this HMP.

Narrabri Local Environmental Plan 2012

The *Narrabri Local Environmental Plan* sets the framework for the land use in the Narrabri Shire. The plan includes a set of land use zones and provides detailed requirements for development. It also establishes what types of development may be permitted on a particular parcel of land with the permission of Council.

The objective of the following division is to protect and conserve archaeological sites and places of Aboriginal, natural, or European cultural significance. It does this by making provisions that conserve the remaining fabric, relics, settings, and views, and evidence of the cultural significance of Aboriginal objects and the environment of heritage conservation areas.

No items within the Project Approval boundary are listed on the *Narrabri Local Environmental Plan*. However, should BCOP intend to alter or impact upon any building on the properties owned by the company, where the proposed activity did not form part of the Part 3A project approval, then the activity would be subject to Narrabri Council’s requirements and approvals, namely:

Part 5.10 - Heritage conservation

1. **Objectives** The objectives of this clause are as follows—
 - (a) to conserve the environmental heritage of Narrabri,
 - (b) to conserve the heritage significance of Aboriginal objects and heritage conservation areas, including associated fabric, settings and views,
 - (c) to conserve archaeological sites,
 - (d) to conserve Aboriginal objects and Aboriginal places of heritage significance.

2. **Requirement for consent** Development consent is required for any of the following—
 - (a) demolishing or moving any of the following or altering the exterior of any of the following (including, in the case of a building, making changes to its detail, fabric, finish or appearance)—
 - i. (i)a Aboriginal object,

- ii. (ii) an Aboriginal object,
- iii. (iii) a building, work, relic or tree within a heritage conservation area,
- (b) altering a Aboriginal object that is a building by making structural changes to its interior or by making changes to anything inside the item that is specified in Schedule 5 in relation to the item,
- (c) disturbing or excavating an archaeological site while knowing, or having reasonable cause to suspect, that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed,
- (d) disturbing or excavating an Aboriginal place of heritage significance,
- (e) erecting a building on land—
 - (i) on which a Aboriginal object is located or that is within a heritage conservation area, or
 - (ii) on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance,
- (a) subdividing land—
 - (i) on which a Aboriginal object is located or that is within a heritage conservation area, or
 - (ii) on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.

(3) **When consent not required** However, development consent under this clause is not required if—

- (a) the applicant has notified the consent authority of the proposed development and the consent authority has advised the applicant in writing before any work is carried out that it is satisfied that the proposed development—
 - (i) is of a minor nature or is for the maintenance of the Aboriginal object, Aboriginal object, Aboriginal place of heritage significance or archaeological site or a building, work, relic, tree or place within the heritage conservation area, and
 - (ii) would not adversely affect the heritage significance of the Aboriginal object, Aboriginal object, Aboriginal place, archaeological site or heritage conservation area, or
- (b) the development is in a cemetery or burial ground and the proposed development—
 - (i) is the creation of a new grave or monument, or excavation or disturbance of land for the purpose of conserving or repairing monuments or grave markers, and
 - (ii) would not cause disturbance to human remains, relics, Aboriginal objects in the form of grave goods, or to an Aboriginal place of heritage significance, or
- (c) the development is limited to the removal of a tree or other vegetation that the Council is satisfied is a risk to human life or property, or
- (d) the development is exempt development.

(4) **Effect of proposed development on heritage significance** The consent authority must, before granting consent under this clause in respect of a Aboriginal object or heritage conservation area, consider the effect of the proposed development on the heritage significance of the item or area concerned. This subclause applies regardless of whether a heritage management document is prepared under subclause (5) or a heritage conservation management plan is submitted under subclause (6).

(5) Heritage assessment The consent authority may, before granting consent to any development—

- (a) on land on which a Aboriginal object is located, or
 - (b) on land that is within a heritage conservation area, or
 - (c) on land that is within the vicinity of land referred to in paragraph (a) or (b),
- require a heritage management document to be prepared that assesses the extent to which the carrying out of the proposed development would affect the heritage significance of the Aboriginal object or heritage conservation area concerned.

(6) Heritage conservation management plans The consent authority may require, after considering the heritage significance of a Aboriginal object and the extent of change proposed to it, the submission of a heritage conservation management plan before granting consent under this clause.

(7) Archaeological sites The consent authority must, before granting consent under this clause to the carrying out of development on an archaeological site (other than land listed on the State Heritage Register or to which an interim heritage order under the [Heritage Act 1977](#) applies)—

- (a) notify the Heritage Council of its intention to grant consent, and
- (b) take into consideration any response received from the Heritage Council within 28 days after the notice is sent.

(8) Aboriginal places of heritage significance The consent authority must, before granting consent under this clause to the carrying out of development in an Aboriginal place of heritage significance—

- (a) consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and
- (b) notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration any response received within 28 days after the notice is sent.

Note—

Aboriginal objects (if any) are listed and described in Schedule 5. Heritage conservation areas (if any) are shown on the [Heritage Map](#) as well as being described in Schedule 5.

Appendix C HMP Development and Review

Development of the HMP

The following processes were undertaken in the development of the HMP:

- An inception meeting in 2010 attended by the Part 3A – Continuation of Mining Project - Registered Aboriginal Parties (RAPs) and representatives from BCOP and OEH,
- Meeting with OEH’s regional representative;
- Consultation with RAPs ahead of Project Approval Modification 3 project. Consultation from that point included RAPs inclusive of the Part 3A Continuation of Mining Project and the Modification 3 projects. This increased the number of RAPs from 6 to 31 in total;
- Consulting with regional OEH representative, DRE and DPHIDPHI representatives;
- Receiving and incorporating development consent conditions;
- DPHIDPHI approval for Angela Besant (Insite Heritage) and Christopher Carter (Archaeology Australia) to prepare the HMP (22/08/2012) (Appendix I);
- Distribution of the final draft HMP to the RAPs for review and comment;
- Review of the final draft HMP by regional OEH representative and DPHIDPHI;
- Meeting (16/08/2012) one week prior to the closure of the 30 day review period to facilitate discussion and to receive feedback;
- Incorporating submissions from the consultative period and other meetings;
- Review by DPHIDPHI and incorporation of their comments in the revised HMP;
- DPHIDPHI approval of the HMP (dated 7/09/2012) (Appendix H); and
- DPHIDPHI approval of revision 4 of the HMP (29/1/2014) refer Table 8 below.

Review of the HMP

The HMP will be revised following consultation of improvements proposed by RAPs or BCOP or following direction by Heritage NSW or DPIE. Consultation of proposed revision of the HMP will be undertaken during ASCF meetings. If the review results in amendments other than administrative controls, approval shall be sought from DPIE within six months of the ASCF. Additionally, the HMP is required to be reviewed within 8 months of approval of the Aboriginal Heritage Conservation Strategy (refer Section 2.5 below)

A summary of previous HMP revisions is included in Table 8 below. Discussions and reviews of draft documents have been carried out with and by Heritage NSW throughout the development and revision of the HMP. Further details regarding RAP comments received and consultation undertaken for previous HMP revisions (2014-2016) is included in Revision 7 (Section 2.4 and Appendix G).

Table 8 HMP Revisions

| HMP Revision No & Date | Details & Outcome |
|--|---|
| Revision 4 February 2013 | Adjustment to the shape of the pit progression plan |
| Revision 5 & 6 (12/02/2015 and October 2015) | Administrative revision |
| Revision 7 November 2016 | Amendment of the tree clearing methodology. Targeted re-inspection of the years' tree clearing area to occur prior to under-scrubbing instead of post under-scrubbing. Incorporation of Modification 5 into The Project boundary |
| Revision 8 January 2021 | Administrative updates to streamline the HMP document, updating of site status and associated figures. |
| Revision 9 September 2023 | Administrative updates including legislative changes, updates of site status and figures. Streamlining area clearance methodology |

Appendix D Aboriginal Archaeological Site Status – BCOP Project Approval Area

Table 9 Aboriginal Archaeological Site Status - BCOP

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|--------------|-------------|-----------------|---|--|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------------------------------------|
| 16-4-0014 | Velyama AS6 | Salvaged | N | Very disturbed, located on edge of ploughed paddock. Artefact not relocated | Site identified within Maults Creek HMP to be salvaged by BCOP | | INSITE HERITAGE | BCPL HMP | 23/10/2014 | | 219812 | 6608891 | |
| 20-4-0017 | Nagero Creek | Salvaged | N | | | | INSITE HERITAGE | BCPL HMP | 12/02/2015 | | 225704 | 6608190 | 225600, 6608000 salvaged coordinate |
| 20-4-0564 | TC1/15 | Salvaged | | Isolated artefact collected during 2015 Tree Clearance Works | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 227174 | 6610814 | |
| 20-4-0057 | BC 35 | Salvaged | | Artefact scatter 179 artefacts. Excavated into open area | | | ARAS | #2369 | | | 226468 | 6608751 | |
| 20-4-0090 | BBSRLALC SF5 | Salvaged | N | Isolated Find - recorded in AMG. Site has been salvaged. Two artefacts identified. Area has been stick raked. | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | | 227346 | 6610886 | |
| 20-4-0094 | BC 01 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 226063 | 6611506 | |
| 20-4-0096 | BC 02 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 226011 | 6611602 | |
| 20-4-0097 | BC 03 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 226229 | 6612333 | |
| 20-4-0098 | BC 04 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227126 | 6611577 | |
| 20-4-0099 | BC 05 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 226989 | 6610613 | |
| 20-4-0100 | BC 06 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 226988 | 6610617 | |
| 20-4-0101 | BC 07 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227656 | 6611117 | |
| 20-4-0102 | BC 08 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227855 | 6611113 | |
| 20-4-0103 | BC 09 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227920 | 6611159 | |
| 20-4-0104 | BC 10 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227966 | 6611252 | |
| 20-4-0105 | BC 11 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 228231 | 6611286 | |
| 20-4-0106 | BC 12 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 228078 | 6612217 | |
| 20-4-0107 | BC 13 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227968 | 6611850 | |

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| 20-4-0108 | BC 14 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227512 | 6611198 | |
| 20-4-0109 | BC 15 | Salvaged | N | Isolated Find | | | ARAS | #2369 | | | 227431 | 6611081 | |
| 20-4-0110 | BC 16 | Salvaged | N | Modified Tree. AHIMS coordinate incorrect. Hamm Report shows the site at coordinates listed under easting and northing in this spreadsheet. ASIR Card has been lodged with AHIMS. | | | ARAS | #2369 | 11/02/2015 | | 227387 | 6611077 | AHIMS COORDINATES: 228387, 6611077 |
| 20-4-0111 | BC 17 | Salvaged | N | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | Tarrawonga | BCPL HMP | | | 227644 | 6608315 | |
| 20-4-0112 | BC 18 | Salvaged | N | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | Tarrawonga | BCPL HMP | | | 227622 | 6608416 | |
| 20-4-0113 | BC 19 | Salvaged | N | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | Tarrawonga | BCPL HMP | | | 227622 | 6608492 | |
| 20-4-0114 | BC 20 | Salvaged | N | | | | ARAS | #2369 | | | 227531 | 6608729 | |
| 20-4-0115 | BC 21 | Salvaged | N | Isolated find | | | ARAS | #2369 | | | 226251 | 6609073 | |
| 20-4-0116 | BC 22 | Salvaged | N | Isolated find | conserved under BCOP HMP until managed by Tarrawonga | | Tarrawonga | BCPL HMP | | | 227767 | 6608516 | |
| 20-4-0117 | BC 23 | Salvaged | N | | | | ARAS | #2369 | | | 226605 | 6608460 | |

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| 20-4-0118 | BC 24 | Extant | | Isolated Find | Conserve in situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 226039 | 6610496 | |
| 20-4-0119 | BC 25 | Extant | | Isolated Find | Conserve in situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 226014 | 6610716 | |
| 20-4-0120 | BC 26 | Extant | | Isolated Find | To be managed as part of Leard State Forest assemblage - potential locations for test probes | Moderate | | BCPL HMP | | | 225879 | 6611038 | |
| 20-4-0121 | BC 27 | Salvaged | | Isolated Find | | | GH | #2369 | 5/07/2013 | | 226238 | 6609120 | |
| 20-4-0122 | BC 28 | Salvaged | | Isolated Find | | | GH | #2369 | 5/07/2013 | | 226159 | 6609147 | |
| 20-4-0123 | BC 29 | Salvaged | | Isolated Find | | | GH | #2369 | 5/07/2013 | | 226090 | 6609164 | |

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| 20-4-0124 | BC 30 | Salvaged | | ID used for tree and Isolated Find - Isolated Find salvaged - Tree extant | | | GH | #2369 | 5/07/2013 | | 226018 | 6609174 | |
| 20-4-0125 | BC 31 | Partial | N | Surface artefacts collected close to BC 31. Accredited to BS 31 on ASIRF. Original recording in situ. | Conserve in situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 225354 | 6609238 | |
| 20-4-0126 | BC 32 | Salvaged | | Isolated Find | Conserve in situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 225147 | 6609354 | |
| 20-4-0127 | BC 33 | Salvaged | | Artefact scatter. 5 artefacts | Conserve in situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal | Moderate-High | | BCPL HMP | | | 225058 | 6609442 | |

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| | | | | | environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | | | | | | | | |
| 20-4-0128 | BC 34 | Salvaged | | Artefact Scatter. 60 artefacts. Insite 2009: Site relocation. Site has been salvaged but some artefacts still noted. 1 x mudstone flaked piece, 1 x chalcedony flake and 1 x silcrete flake. The site is located on a ridge creek/margin | Apply HMP methodology with test pits where warranted and potential salvage excavations. | | | BCPL HMP | | | 225940 | 6611680 | |
| 20-4-0129 | BC 36 | Salvaged | | Isolated Find | Conserve in situ. Manage environmental impacts within precincts i.e. soil erosion by the management of runoff, vehicle tracks, soil stabilisation in areas of active erosion. | Moderate-Low | | BCPL HMP | | | 230527 | 6609006 | |
| 20-4-0130 | BC 37 | Extant | N | Historic Scarred Tree | | | | BCPL HMP | 18/06/2015 | | 226785 | 6608396 | |
| 20-4-0131 | BC 38 | Extant | | Artefact Scatter 144 artefacts | | | ARAS | #2369 | | | 226524 | 6608158 | |
| 20-4-0132 | BC 39 | Extant | y | Isolated Find | | | GH | #2369 | | | 226422 | 6608122 | |
| 20-4-0133 | BC 40 | Extant | y | 10 artefacts - grader scraped | | | ARAS | #2369 | | | 226468 | 6608332 | |
| 20-4-0134 | BC 42 | Extant | Y | Artefact Scatter 6 artefacts. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226309 | 6608430 | |
| 20-4-0136 | BC 43 | Extant | Y | Artefact Scatter 15 artefacts. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226155 | 6608455 | |

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| 20-4-0137 | BC 41 | Extant | y | 30 artefacts - grader scraped | | | ARAS | #2369 | | | 226333 | 6608273 | |
| 20-4-0137 | BC 44 | Extant | | 4 artefacts collected | | | ARAS | #2369 | 5/07/2013 | | 226186 | 6608185 | |
| 20-4-0138 | BC 45 | Extant | | 4 artefacts collected | | | ARAS | #2369 | 5/07/2013 | | 226282 | 6608124 | |
| 20-4-0139 | BC 46 | Partial | N | Grader scrapes very close by, located in environmental conservation corridor. 28 artefacts. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226098 | 6608743 | |
| 20-4-0140 | BC 47 | Salvaged | Y | Original artefact not relocated. 2 artefacts within BC boundary Collected within ~30m of site. Area has been ploughed. More artefacts identified outside of BC boundary. (219377, 6608971) | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226157 | 6608862 | |
| 20-4-0141 | BC 48 | Salvaged | | Artefact Scatter 3 artefacts | | | ARAS | #2369 | | | 226223 | 6608938 | |
| 20-4-0142 | BC 49 | Salvaged | Y | Isolated Find | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226057 | 6608625 | |
| 20-4-0143 | BC 50 | Salvaged | N | This Modified Tree incorrectly identified in the 2005 report should be BC 51 located to the north east. Photo in report shows tree BC51 and no tree located at co-ords of BC50 | Not a site | | INSITE HERITAGE | BCPL HMP | 12/02/2014 | | 225982 | 6608482 | |
| 20-4-0144 | BC 51 | Extant | | Modified Tree | To be salvaged. Retain in-situ | Cultural Significance - High. Arch Significance - Low | | BCPL HMP | | | 226179 | 6608523 | |
| 20-4-0145 | BC 52 | Salvaged | | Modified Tree | | | INSITE HERITAGE | BCPL HMP | 18/06/2015 | | 226306 | 6608432 | |

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| 20-4-0146 | BC 53 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 225786 | 6608227 | |
| 20-4-0147 | BC 54 | Extant | | <p>Artefact Scatter, Grinding Grooves, Modified Tree. 81 artefacts. Relocation of previously recorded site. Large site. Artefacts located at 225659, 6611616 (16 artefacts, 1 angular fragment quartz), 225701, 6611587 (15 artefacts, 1 x angular fragment quartz milky, 1 x grey FGS heat shatter. Grinding Grooves IF at 225861, 6611635. Two sets of grinding grooves located on sandstone boulder approx 1.5m x 1m x 0.4m. GG1 dimensions: 410 x 50 x 15mm. GG2 390 x 30 x 10mm. Boulder orientated NW/SE. 225654, 6611616-225662,6611570 13 angular fragments (3 mudstone, 7 chalcedony, 3 quartz)</p> <p>Also in this section 3 flakes chalcedony, 6 flakes mudstone, 2 silcrete blades, 1 silcrete flake</p> <p>225670,6611557 Angular fragments 11 chalcedony, 1 mudstone. 3 chalcedony flakes, 2 mudstone flakes, 1 chalcedony blade, 2 chalcedony broken flakes 225632,6611566 quartz core</p> <p>Also recorded just west of nearby Modified tree: 4 mudstone broken flakes, 1 mudstone flake, 1 chalcedony flake, 1 chalcedony broken flake, 1 chalcedony angular fragment.</p> <p>At 225778,6611540 Angular fragments: 3 chalcedony, 3 quartz. 6 chalcedony broken flakes, 8 chalcedony flake, 2 chalcedony flaked piece, 2 fgs flake, 3 fgs broken flake, 4 fgs flakes.</p> | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 225773 | 6611647 | |

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| | | | | 1 quartz flake, 1 silcrete flake, 1 fgs scraper At 225785,6611456 Volcanic broken hand axe | | | | | | | | | |
| 20-4-0148 | BCHR 1 | Salvaged | | Isolated Find | | | ARAS | #2369 | 5/07/2013 | | 225485 | 6608430 | |
| 20-4-0149 | BCHR 2 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 225368 | 6608222 | |
| 20-4-0150 | BCHR 3 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 224793 | 6608318 | |
| 20-4-0151 | BCHR 4 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 224630 | 6608316 | |

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| 20-4-0152 | BCHR 5 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 224530 | 6608290 | |
| 20-4-0153 | BCHR 7 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 219896 | 6608809 | |
| 20-4-0154 | BCHR 8 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 215153 | 6605186 | |
| 20-4-0155 | BCHR 6 | Salvaged | | Isolated Find | | | ARAS | #2369 | | | 223161 | 6607947 | |
| 20-4-0198 | BCD1 | Extant | | Quarry site south side front entrance. Plentiful chalcidony fragments of natural and cultural origin. Outcropping natural chalcidony. Opaque grey chalcidony core and three flakes. Exposure variable 200m x 50m. | Conserve in-situ. Managed by exclusion of earth disturbing activity. Confirm current fencing defines site boundaries. | Moderate-High | | BCPL HMP | | | 225453 | 6607535 | |
| 20-4-0199 | BCD2 | Extant | | Artefact scatter. Located on two parallel contour banks - mudstone grey/brown 2% cortex, edge damage, flake chalcidony orange with retouch | Conserve in-situ. Managed by exclusion of earth disturbing activity. Confirm current fencing defines site boundaries. | Low | | BCPL HMP | | | 225900 | 6606697 | |
| 20-4-0200 | BCD3 | Extant | | Isolated find. Flake IMT grey/black, 2% cortex, edge damage. 12m x 0.5-2m exposure. | Conserve in-situ. Managed by exclusion of earth disturbing activity. Confirm current fencing defines site boundaries | Low | | BCPL HMP | | | 226322 | 6606222 | |
| 20-4-0201 | NV 64 | Salvaged | N | Isolated Find 1 chalcidony flake, disturbed context, 5m x 5m exposure. Area surrounding Site subject to test pits and grader scrapes. 1 Artefact located ~100m to the east of site centre | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 221905 | 6608334 | |

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| 20-4-0201 | NV 66 | Salvaged | Y | 3 artefacts (2x chalcedony cores, 1 x chalcedony flake) and several angular fragments noted. Site situated on slight slope, located in exposure north of Haul Rd. 3m x 25m. | 1 artefact located ~60m from centre point | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 221930 | 6608381 | |
| 20-4-0201 | NV 67 | Salvaged | Y | Artefact scatter located in exposure approx 25 x 2m. Numerous artefacts of chalcedony also noted. Site comprises of 5x flakes of chalcedony. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 222084 | 6608311 | |
| 20-4-0201 | NV 68 | Salvaged | Y | Artefacts located on contour bank. 1x chalcedony core, 1x chalcedony flake. Numerous angular fragments on red and white chalcedony also noted. 50m x 2m exposure. | 3 artefacts located within site boundary | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 222179 | 6608296 | |
| 20-4-0201 | NV 69 | Salvaged | Y | Isolated artefact in 1m x 1m exposure | 1 artefact located in test pits. 1 artefact located in grader scrape | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 222374 | 6608176 | |
| 20-4-0201 | NV 70 | Salvaged | Y | Isolated artefact in 1m x 1m exposure | 1 artefact located | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 222557 | 6608102 | |
| 20-4-0202 | NV 20 | Salvaged | Y | Located in exposure in thick grass cover, west of property 'Daisymede'. 2x flakes of chalcedony and mudstone and 2x angular fragments of chalcedony noted. 5m x 5m exposure. | Artefacts not relocated. 2 Pieces of material found. No evidence of conchoidal fracturing | | INSITE HERITAGE | BCPL HMP | 9/10/2014 | | 217315 | 6607905 | |
| 20-4-0202 | NV 75 | Salvaged | N | 1 mudstone flake in small 1m x 1m exposure on gentle slope | Area heavily disturbed, artefacts not relocated | | INSITE HERITAGE | BCPL HMP | 9/10/2014 | | 217277 | 6607988 | |

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| 20-4-0203 | NV 21 | Salvaged | Y | Located adjacent to Haul Rd. Visibility poor due to thick grass cover. Artefacts located over area approx. 100m x 10m. 8 Artefacts and 10 angular fragments identified. Angular fragments noted included 6x chalcedony, 1x quartz, 3x chert, 1x silcrete. | 4 artefacts located ~50m south of site centre point. | | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 218459 | 6608295 | |
| 20-4-0204 | NV 22 | Salvaged | N | Artefacts recorded over an approx. 270 x 90m area (217588 6607848 - 215317,6605940). Located near corner of property 'Daisymede'. 7 artefacts in total: 1x silcrete flake, 1x volcanic flake, 2x chalcedony flakes, 3x chalcedony broken flakes, 4x angular fragments of chalcedony, 2x angular fragments of quartz. 270m x 90m exposure. | Artefacts Not Relocated. | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 217588 | 6607848 | |

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| 20-4-0205 | NV 34 | Extant | | Modified Tree. 3x scars located on a river red gum. Tree located at a base of knoll on the flood plain. Circumference of tree at breast height 4.90m. Scar 1 1250x420x280mm at 150mm above ground level. Scar 2 1410x650x220 at 300mm above ground level. Scar 3 approx 8m from ground level - not measured. Re-recording of 20-4-0074 | To be salvaged. Retain in-situ | Cultural Significance - High. Arch Significance - Low | | BCPL HMP | | | 216897 | 6607795 | |
| 20-4-0206 | NV 35 | Extant | | Modified Tree in midst of TSR holding paddock. 2x scars on a 'Brimble Box'. Scars No.1, located on right hand side of tree situated 52cm above base of tree - 330mm long x 340mm wide x 200mm deep. Regrowth noted. Scar No. 2 (left hand side of tree) 500mm x 160mm x 160mm (regrowth). | Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact Detailed recording and review of trees condition as part of HMP annual reviews. | High | | BCPL HMP | | | 215619 | 6607338 | |
| 20-4-0206 | NV 36 | Extant | | Modified Tree. Scar dimensions: 380mm x160mm x 200mm regrowth. Scar situated 960mm from base of tree. | Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact Detailed recording and review of trees condition as part of HMP annual reviews. | High | | BCPL HMP | | | 215647 | 6607336 | |

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| 20-4-0207 | NV 37 | Extant | | Modified Tree. 1 artefact Collected ~25m from Modified Tree. Located near an unformed track. A very old scar on a 'Brimble Box'. 1000mm x 1150mm x 100-190mm regrowth. Tree still living. | Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact Detailed recording and review of trees condition as part of HMP annual reviews. | High | | BCPL HMP | 5/07/2013 | | 215541 | 6607376 | |
| 20-4-0207 | NV 38 | Salvaged | N | 1 x reddish volcanic flake located in exposure in stony paddock. Background gravels of similar rock type noted. 6m x 6m exposure. | Surface artefact collected close by. Grader scrape not done as area not suitable . | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215511 | 6607407 | |
| 20-4-0207 | NV 39 | Salvaged | N | Artefact scatter. 1 x green volcanic flake. Located adjacent to exposure in gateway. Background gravel. 1 x volcanic core, 4 x chalcedony angular fragments. 1m x 4m exposure. Surface artefact collected close by. | Grader scrape not done as area not suitable | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215342 | 6607421 | |
| 20-4-0208 | NV 65 | Salvaged | Y | Exposure in cleared paddock. Numerous chalcedony fragments across paddock. 8 artefacts (2x mudstone flakes, 1x mudstone core, 1x chalcedony core, 1x volcanic core, 1x volcanic flake, 1x chalcedony flake and 1x chalcedony broken flake). 3m x 30m exposure. | 2 artefacts located ~60m off the site centre point | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 221304 | 6608652 | |

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| 20-4-0209 | NV 71 | Salvaged | Y | Isolated artefact located in exposure adjacent to trackway on flood plain. 1x mudstone flake. 2m x 35m exposure | 1 artefact located | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 219975 | 6608835 | |
| 20-4-0209 | NV 72 | Salvaged | Y | Exposure along track way. 1x chalcedony flake located. | 1 artefact located | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 219620 | 6608878 | |
| 20-4-0209 | NV 73 | Salvaged | Y | Two artefacts located in exposure adjacent to track way. 1x chalcedony flake, 1x mudstone flake. 25m x 2m exposure. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 219494 | 6608900 | |
| 20-4-0209 | NV 74 | Salvaged | Y | 1 mudstone flake 10m x 2m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 219106 | 6608955 | |
| 20-4-0210 | NV 76 | Extant | | Modified tree, located on level flood plain in cleared heavily grassed grazing approx. 40m from the Namoi River. One scar identified: Length 1570mm, Width at mid point 210mm, regrowth left 180mm, regrowth right 220mm. Scar commences 850mm from base of tree. Fire damage, rot and limb fall also noted. | To be salvaged. Retain in-situ | Cultural Significance - High. Arch Significance - Low | | BCPL HMP | | | 216773 | 6607827 | |

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| 20-4-0211 | NV 40 | Salvaged | Y | Artefact scatter. Located in exposure in stony ploughed paddock adjacent to vehicle track. 1 x chalcedony core. 1 x large chalcedony core. At 215076, 6606823 1 x flake chert. 2 x chalcedony angular fragment. 20m x 20m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215209 | 6607087 | |
| 20-4-0212 | NV 41 | Salvaged | Y | Located in stony cleared paddock/grazing area. 1 x white FGS flake/core. 5m x 5m exposure. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215177 | 6606688 | |
| 20-4-0212 | NV 42 | Salvaged | Y | 1 x chalcedony core in eroded exposure in paddock. 5m x 5m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215206 | 6606618 | |
| 20-4-0212 | NV 43 | Salvaged | Y | Located in exposure in unformed road in a stony cleared paddock. 2x chalcedony cores situated approx. 10m apart. 10m x 5m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215205 | 6606338 | |
| 20-4-0212 | NV 44 | Salvaged | Y | 1 x silcrete core located in cleared stony paddock on Lower scree slope. 3m x 2m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215253 | 6606444 | |
| 20-4-0213 | NV 45 | Salvaged | Y | 1 x chalcedony flake ex located on property "The Rock". 5m x 5m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 215339 | 6605495 | |
| 20-4-0214 | NV 23 | Extant | N | Artefact Scatter. High percentage of chalcedony. Located on the opposite side of rd to NV 48 . Located on lower forest slopes on the west side of the Haul Rd. 1x chalcedony scraper and 1x chalcedony broken flake. 4x mudstone angular fragments also noted. 10m x 10m exposure | remains in situ | Cultural Significance - High. Arch Significance - Low | | BCPL HMP | | | 215017 | 6605133 | |

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| 20-4-0214 | NV 46 | Salvaged | N | 1 x chalcedony flake, 5m x 5m exposure | | | INSITE HERITAGE | BCPL HMP | 23/10/2014 | | 215158 | 6605133 | |
| 20-4-0214 | NV 47 | Salvaged | N | 2 x chalcedony flakes | | | INSITE HERITAGE | BCPL HMP | 23/10/2014 | | 215091 | 6605058 | |
| 20-4-0215 | NV 48 | Partial | | <p>Site within BCOP project boundary fully salvaged. Located on lower slopes adjacent to cleared area for cattle (fences, water troughs ect). At 214606, 6604800 2x chalcedony flaked pieces, 1 x chalcedony flake 25x15x5, 1x chalcedony flake distal end 15x10x5mm</p> <p>At 214577,6604813 2x angular fragments chalcedony, 1 x pot lid piece of chalcedony, 1 x light grey FGS, 1 FGS flake, 1 x chalcedony flake. At 214572,6604814 1x chalcedony flake, 1 x cream/pink FGS, 2x angular fragments chalcedony. 1x FGS flake possible blade, usewear both margin, distal snap. 1x cream/pink quartz flake . Approx 2m east 2x angular fragments chalcedony. 4 x chalcedony flakes, 1 x chalcedony angular fragment. 40 x 15m exposure.</p> | Portion of site which lies outside BCOP project boundary remains extant and will be conserved during the course of the project | | | | | | | | |

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| 20-4-0216 | NV 01 | Extant | | Artefact scatter. Located in exposure in track way. 1x chalcedony core and 1x chalcedony flake identified Approx. 10m south on west side of road 3x chalcedony cores and 1x chalcedony flake also located. 6m x 6m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 223601 | 6610542 | |
| 20-4-0216 | NV 02 | Extant | | Artefact scatter. Two flakes of mudstone and chalcedony located in forest track way located approx. 20m apart. 25m x 5m exposure. | | Moderate-High | | BCPL HMP | | | 223572 | 6609722 | |
| 20-4-0216 | NV 03 | Extant | | Artefact scatter. Continues on to NV4 located approx 60m SE. Artefact scatter in track way approx 4,5m wide. Scatter located at intersection of two forest track ways. Site comprises of two Loci of artefacts several meters apart. 1x mudstone flake at 223650, 6609605 and 5x flakes of chalcedony at 223658, 6609601 . 15m x 5m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen | Moderate-High | | BCPL HMP | | | 223650 | 6609605 | |

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| | | | | | suitable activities (i.e. apply fencing if within 100m S3.7.1). | | | | | | | | |
| 20-4-0216 | NV 04 | Extant | | Artefact scatter. Located in track way, and small track offshoot approx. 40m long which ended at 223846,6611269. Site defined by surface disturbance.. 39 Artefacts located at site. Quartz artefacts included: 1 blade, 5 broken flakes, 1 core, 7 flakes, 3 flaked pieces. Artefacts manufactured from Chalcedony: 4 broken flakes, 4 flakes. Chert artefacts: 1 broken flake, 1 flake. FGS artefacts: 1 broken flake, 4 flakes, Silcrete: 2 broken flakes, 2 flakes, Volcanic: 1 broken flake, 1 flake, 1 flaked piece. 7x angular fragments of quartz and 12x angular fragments of chalcedony also noted at the site. In two exposures 15m x 20m, 5m x 40m. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 223679 | 6609552 | |
| 20-4-0216 | NV 13 | Extant | | Artefact scatter | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen | Moderate-High | | BCPL HMP | | | 223477 | 6609967 | |

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| | | | | | suitable activities (i.e. apply fencing if within 100m S3.7.1). | | | | | | | | |
| 20-4-0217 | NV 05 | Extant | | Artefact scatter - 2 artefacts 1x Black/grey volcanic flake, and a volcanic broken axe head which has been pecked on one side located in track way along ridge line. 5m x 5m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 229342 | 6612823 | |
| 20-4-0217 | NV 06 | Extant | | Isolated Find. 1 x brown red mudstone flake mid section possible redirecting located on vehicle track to the south off main ridge road. Track ends approx. 50m past location of the artefact. 5m x 5m exposure | To be salvaged | | | BCPL HMP | | | 229224 | 6612795 | |

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| 20-4-0217 | NV 14 | Extant | | Isolated Find. Mudstone broken flake located in exposure in forest track way. 4m x 4m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 229522 | 6612412 | |
| 20-4-0217 | NV 15 | Extant | | Artefact Scatter. 2x chalcedony flakes located approximately in a fairly steep forestry track. 4m x 4m exposure. | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 228138 | 6612774 | |
| 20-4-0217 | NV 16 | Extant | | Isolated Find. Small mudstone flake located in exposure on gentle slope. 5.5m x 4m exposure. | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 227717 | 6612483 | |
| 20-4-0217 | NV 18 | Salvaged | N | Artefact Scatter. Site located approx. 5m south of forest trackway in cleared area on a gentle slope. One artefact, a mudstone flake, located in cleared area, and a small silcrete flake located in track offshoot nearby. 5m x 5m exposure. | To be salvaged. Isolated find collected | Moderate-High | INSITE HERITAGE | BCPL HMP | 5/03/2018 | | 228700 | 6612330 | |

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| 20-4-0217 | NV 19 | Salvaged | N | Isolated find collected . Isolated artefact located in forest track way offshoot which terminates in a cleared area approx. 40x50m in size | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | INSITE HERITAGE | BCPL HMP | 5/03/2019 | | 228350 | 6612270 | |
| 20-4-0218 | NV 07 | Extant | | Isolated Find. Located in the Leard State Forest at the base of slope in an access road. White /pink silcrete flake possible scraper. 5m x 5m exposure. | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 227368 | 6612638 | |
| 20-4-0218 | NV 08 | Extant | | Isolated Find. 1 x mudstone flake, distal portion with multi directional dorsal scars. 5m x 5m exposure. | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 227396 | 6612675 | |
| 20-4-0218 | NV 09 | Extant | | Isolated Find. 1x grey, fine grained silcrete flake, distal portion located in road way at base of slope. 5m x 5m exposure. | To be salvaged. Apply HMP methodology with test pits where warranted and potential salvage excavations. | Moderate-High | | BCPL HMP | | | 227413 | 6612688 | |
| 20-4-0219 | NV 10 | Extant | | Artefact Scatter. Located on creek flats/terrace in sandy soil. All artefacts located in exposure previously dug over by wild pigs 2 x FGS flakes and 2x FGS broken flakes identified. 3m x 6m exposure. | To be salvaged | | | BCPL HMP | | | 227341 | 6612386 | |

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| 20-4-0220 | NV 11 | Extant | | Isolated Find. Isolated artefact, 1 x chalcedony flake located on track way through forest. 3m x3m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 225126 | 6612750 | |
| 20-4-0221 | NV 12 | Extant | | Isolated Find. Isolated chalcedony flake located in track way. 4m x 4m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing if within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 223805 | 6610902 | |
| 20-4-0222 | NV 25 | Extant | | Modified tree. 1 scar identified on a 'White Box'. 580mm x 120 mm x 90mm. Located 1100mm above ground level. | Conserve in-situ. Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact . Detailed recording and review of trees condition as part of HMP annual reviews. | Moderate | | BCPL HMP | | | 225651 | 6610109 | |

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| 20-4-0222 | NV 26 | Extant | | Modified Tree. 1x scar identified on a 'White Box'. 800x250x300mm located <100mm above ground level | Conserve in-situ. Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact . Detailed recording and review of trees condition as part of HMP annual reviews. | Moderate | | BCPL HMP | | | 225649 | 6610101 | |
| 20-4-0222 | NV 27 | Extant | | Modified Tree. 1x scar identified on a 'White Box' 780x100x100mm located on tree <100mm from ground level. | Conserve in-situ. Trees retained in-situ and managed, i.e. fenced and protected from inadvertent impact . Detailed recording and review of trees condition as part of HMP annual reviews. | Moderate | | BCPL HMP | | | 225661 | 6610119 | |
| 20-4-0223 | NV 28 | Extant | | Modified tree. 1x scar identified on an iron bark. Tree has fallen over. 520x195x65mm. Scar located approx 2.3m above ground level. | To be salvaged. These trees will require relocation to an appropriate location as determined by the stakeholders | High | | BCPL HMP | | | 227436 | 6612395 | |
| 20-4-0223 | NV 29 | Extant | | Modified tree. 1x scar located on iron bark 1260x250x80mm approx 6.5m from ground level. Tree is lying on ground. | To be salvaged. These trees will require relocation to an appropriate location as determined by the stakeholders | High | | BCPL HMP | | | 227556 | 6612564 | |
| 20-4-0223 | NV 31 | Extant | | Modified tree - not a site | Not a site | | INSITE HERITAGE | BCPL HMP | 5/03/2018 | | 227602 | 6612176 | |

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| 20-4-0224 | NV 54 | Extant | | Artefact Scatter. Located on contour bank. Site runs along exposure created by contour bank 5m x 100m. Archaeological visibility hindered by vegetation and surface disturbance. 7 artefacts recorded (1x chalcedony broken flake, 1x mudstone core, 1x mudstone flake, 1x mudstone broken flake, 3x chalcedony flakes) 2 angular fragments of chalcedony also noted. | Conserve in-situ. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term with possible salvage Isolated Find required as necessary | Moderate | | BCPL HMP | 28/08/2014 | | 225426 | 6607961 | |
| 20-4-0224 | NV 55 | Extant | | Artefact Scatter. One isolated artefact located in a small exposure in a paddock. Loci 2 located in small exposure 3x1m 100% SV, 75%AV - 1x silcrete flake. Ephemeral drainage depression located approx. 25m. Approx. exposure 20m x 5m | Conserve in-situ. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term with possible salvage Isolated Find required as necessary | Moderate | | BCPL HMP | 28/08/2014 | | 225055 | 6607899 | |
| 20-4-0224 | NV 57 | Extant | | Artefact Scatter. 4m x 10m exposure. Site located on contour bank. 5 artefacts (1x mudstone core, 1x silcrete core, 2x chalcedony flakes and 1x mudstone flake). Angular fragments of silcrete and mudstone also noted. | Conserve in-situ. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term with possible salvage Isolated Find required as necessary | Moderate | | BCPL HMP | 28/08/2014 | | 225180 | 6608085 | |

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| 20-4-0224 | NV 58 | Extant | | Isolated Find - mudstone flake in small exposure along contour bank. 1m x 1m exposure. | Conserve in-situ. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term with possible salvage Isolated Find required as necessary | Moderate | | BCPL HMP | 28/08/2014 | | 225132 | 6608121 | |
| 20-4-0224 | NV 63 | Extant | N | Artefact Scatter. Partially salvaged under DD mitigation. 6 artefacts recorded (4x chalcedony flakes, 1x chalcedony broken flake, 1x mudstone broken flake). 15m x 20m | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | | BCPL HMP | 28/08/2014 | | 224863 | 6607981 | |
| 20-4-0224 | NV 56 | Partial | N | Quarry. Partially salvaged under DD mitigation . Creek line, ephemeral located approx. 10m away. Potential quarry site. Some chalcedony nodules outcropping in bed rock | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 225256 | 6607795 | |
| 20-4-0224 | NV 59 | Partial | Y | Artefact Scatter. Partially salvaged under DD mitigation . 2 mudstone flakes located approx 20m from contour bank, 3m x 3m exposure. | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 224928 | 6608115 | |

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| 20-4-0224 | NV 60 | Partial | Y | Artefact Scatter. Partially salvaged under DD mitigation . 9 artefacts recorded (6x chalcedony flakes, 1x mudstone flake, 1x mudstone core). Disturbance from sedimentation. 1st order ephemeral stream located approx. 40m. 6m x 50m exposure. | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 224946 | 6608068 | |
| 20-4-0224 | NV 61 | Partial | Y | Isolated Find. 1 x volcanic flake 10m x 5m exposure. Salvaged under DD mitigation | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 225024 | 6608030 | |

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| 20-4-0224 | NV 24 | Partial | Y | <p>Artefact Scatter. Located in a disturbed context on a contour bank. Closest water ephemeral depression located approx. 50m.</p> <p>Loci 1 225330, 6608190 3 x mudstone flake, 1 x chalcedony flake.</p> <p>Loci 2 225260, 66082051 flake, 1 broken flake FGS</p> <p>Loci 3 225067, 6608198 1 chalcedony flake</p> <p>Loci 4 224913, 6608182 1 chalcedony flake, 1 chalcedony angular fragment</p> <p>Loci 5 224900, 6608119 1 chalcedony flake, 1 mudstone core, 1 mudstone flake</p> <p>Loci 6 224897, 6608109 1 mudstone flake, 1 chalcedony flake</p> <p>Continuation of site in eroded exposures approx. 50m south of the Haul Rd; Loci (224491, 6608238)</p> <p>Chalcedony Broken flake, 2 mudstone Broken Flake Loci (224692, 6608607)</p> <p>Mudstone Flake Loci (224865, 6608124). 101 artefacts identified at this location and 39 angular fragments. Artefacts identified; 44x Flakes (16x chalcedony, 1x chert, 1x FGS, 21x mudstone, 1x silcrete, 1x volcanic). 38 Broken flakes (15x chalcedony, 2x chert, 21x mudstone), 4 cores (2x chalcedony, 2 x mudstone), 11 broken cores (7x chalcedony, 4x mudstone) and 4 implements (1x mudstone scraper, 1x possible quartzite hammerstone, 1x sandstone manuport, 1x sandstone axe head). Broken hammerstone located at (224841, 6608086). Angular fragments noted at the site: 33x</p> | extant portion to be conserved unless salvage required. Within Project area outside footprint of impact. Precinct to be defined. Consultation with BCOP and RAPs as to feasible fencing / exclusion in the short term. | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 224865 | 6608124 | |

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| | | | | <p>Chalcedony, 2x Silcrete, 3x Mudstone, 1x Quartz 1.</p> <p>Partial collection and scrape within the 132KV corridor - remains extant on the southern side of powerline.</p> | | | | | | | | | |

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| 20-4-0224 | NV 51 | Salvaged | Y | Isolated Find - mudstone broken flake. 5m x 5m exposure. | Salvaged under DD mitigation | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 225360 | 6608276 | |
| 20-4-0224 | NV 52 | Salvaged | Y | Isolated find - chalcedony flake. 1m x 1m exposure. | | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 225112 | 6608260 | |
| 20-4-0224 | NV 53 | Salvaged | Y | Isolated find - chalcedony flake in small eroded 1m x 1m exposure. | | Moderate | INSITE HERITAGE | BCPL HMP | 28/08/2014 | | 225076 | 6608251 | |
| 20-4-0225 | NV 30 | Salvaged | N | Modified tree. 1x scar located on a 'White Box'. 750x160x350mm. circumference of tree at breast height 2.03m. Scar located 350mm above ground level | To be salvaged. These trees will require relocation to an appropriate location as determined by the stakeholders | High | INSITE HERITAGE | BCPL HMP | 5/03/2018 | | 227321 | 6611700 | |
| 20-4-0226 | NV 32 | Extant | | Modified tree. 1 scar located on an 'Ironbark' 650mm above ground level. 940x230x70mm. Lateral axe mark at top of scar | To be salvaged. These trees will require relocation to an appropriate location as determined by the stakeholders | High | | BCPL HMP | | | 225740 | 6611543 | |
| 20-4-0227 | NV 33 | Extant | | Modified Tree 1x scar located on White Box 450mm above ground level. 1650x210x120mm. Circumference of tree at breast height 2.13-1.75m. | To be salvaged | Moderate | | BCPL HMP | | | 225971 | 6611066 | |

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| 20-4-0228 | NV 49 | Extant | | Artefact Scatter. Located on slight slope. Visibility good as contour bank runs through centre of site. 15 artefacts recorded (4x mudstone broken flakes, 3x chalcedony flakes, 2x mudstone flakes, 2x chert flakes, 1xFGS broken flakes, 1x mudstone core, 1x chalcedony core, 1x FGS flake)and 4 angular fragments (3 x chalcedony, 1 x chert). ephemeral drainage depression located approx. 10m. Located SW from edge of dam. 25m x 75m. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing Isolated Find within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 224896 | 6609111 | |
| 20-4-0228 | NV 50 | Extant | N | Artefact Scatter. Located approx 50m south east of NV 49 adjacent to ephemeral drainage depression. Moderate slope. Site condition good to disturbed along lower edge. 7 artefacts (3x chalcedony flakes, 1x mudstone core, 1x volcanic flake, 1 x mudstone broken flake, 1 x FGS broken flake) 6 angular fragments (5 chalcedony, 1 mudstone). Exposure 40 x 50m. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing Isolated Find within 100m S3.7.1). | Moderate-High | INSITE HERITAGE | BCPL HMP | | | 224768 | 6609052 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|-------|-------------|-----------------|---|--|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0228 | NV 62 | extant | N | Artefact Scatter. 4 artefacts recorded (1x Volcanic, fine grained broken flake, 1x volcanic flake, fine grained, 1x mudstone flake and 1x mudstone core). 6m x 2m exposure. | Conserve in-situ. Identify site boundary. Exclude activities that involve ground disturbance within the precinct. Identify the precinct as a protected area on project maps etc. Use internal environmental clearance systems to screen suitable activities (i.e. apply fencing Isolated Find within 100m S3.7.1). | Moderate-High | | BCPL HMP | | | 224970 | 6608974 | |
| 20-4-0229 | NV 77 | Salvaged | N | Area heavily disturbed. Site located in grassed area south of Haul Rd. 1x core and 1x broken core of chalcedony noted. Poor visibility between road and adjacent fence line due to grass cover. 1x angular fragment of chalcedony also recorded. 10m x 10m exposure | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 223825 | 6608155 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|------------------------|-------------|-----------------|---|--|-----------------------|-----------------|----------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0229 | NV 78 | salvaged | Y | Site located in exposure in grassed stony paddock. 8x artefacts identified. 4x flakes (3x mudstone, 1x chalcedony), 1x silcrete possible core, 1x basalt possible core, 3x broken cores (quartz, volcanic, chalcedony). Angular fragments noted: 7x chalcedony, 1x volcanic. 150m x 15m exposure. | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 223463 | 6608033 | |
| 20-4-0293 | BICSLU | salvaged | Y | Artefact Scatter. 40 artefacts. | Collected, excavated and post clearance inspection | | INSITE HERITAGE | AHIP 1131458 | 5/07/2013 | | 229150 | 6609849 | |
| 20-4-0299 | TCEP-ST-001 | Extant | | Modified Tree | | | | Tarrawonga | | | 228998 | 6608401 | |
| 20-4-0302 | TCEP-Isolated Find-001 | Extant | | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | | Tarrawonga | | | 228841 | 6608319 | |
| 20-4-0303 | TCEP-Isolated Find-002 | Extant | | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | | Tarrawonga | | | 229020 | 6608474 | |
| 20-4-0306 | TCEP-Isolated Find-005 | Extant | | Isolated Find | conserved under BCOP HMP until managed by Tarrawonga | | | Tarrawonga | | | 231525 | 6608604 | |
| 20-4-0309 | TCEP-Isolated Find-8 | Salvaged | | could not be relocated - area impacted | | | INSITE HERITAGE | AHIP# COOOO303 | 14/07/2014 | | 231076 | 660769 | |
| 20-4-0322 | TCEP-OS-001 | Extant | | Artefact Scatter - 3 artefacts | | | | Tarrawonga | | | 231590 | 66087721 | |
| 20-4-0323 | TCEP-OS-002 | Partial | | Salvaged by excavation partial. Artefact Scatter 3 artefacts. | | | INSITE HERITAGE | AHIP# COOOO303 | 14/07/2014 | | 231503 | 6608363 | |
| 20-4-0324 | TCEP-OS-003 | Extant | | Artefact Scatter - 3 artefacts | | | | Tarrawonga | | | 231338 | 6608099 | |
| 20-4-0325 | TCEP-OS-004 | Extant | | Artefact Scatter - 2 artefacts | | | | Tarrawonga | | | 231340 | 6608288 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|-------------|-------------|-----------------|--|---|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0326 | TCEP-OS-005 | Extant | | Artefact Scatter - 2 artefacts | | | | Tarrowonga | | | 231211 | 6608170 | |
| 20-4-0327 | TCEP-OS-006 | extant | | Artefact Scatter - 6 artefacts | | | | Tarrowonga | | | 231225 | 6607945 | |
| 20-4-0328 | TCEP-OS-007 | Salvaged | Y | salvaged by test pitting - artefacts relocated to T15/1 | | | INSITE HERITAGE | AHIP# C00033 | 14/07/2014 | | 231309 | 6607856 | |
| 20-4-0342 | TCEP-ST-002 | Extant | | Modified Tree | | | | Tarrowonga | | | 231307 | 6608235 | |
| 20-4-0347 | TCEP-ST-010 | Extant | | Modified Tree | conserved under BCOP HMP until managed by Tarrowonga | | | Tarrowonga | | | 227984 | 6608219 | |
| 20-4-0348 | TCEP-ST-011 | Extant | | Modified Tree | conserved under BCOP HMP until managed by Tarrowonga | | | Tarrowonga | | | 228319 | 6608164 | |
| 20-4-0388 | BCS5 | Salvaged | Y | Isolated Find | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226147 | 6608004 | |
| 20-4-0389 | BCS6 | Salvaged | Y | Flaked piece | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 225719 | 6608229 | |
| 20-4-0390 | BCS1 | Salvaged | N | ground axe | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 219285 | 6608390 | |
| 20-4-0391 | BCS2 | Salvaged | Y | 1 flake 1 grinding flat | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | 5/07/2013 | 218010 | 6607841 | |
| 20-4-0392 | BCS3 | Salvaged | Y | | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 225775 | 6607762 | |
| 20-4-0393 | BCS4 | Salvaged | Y | 2 x flakes | | | INSITE HERITAGE | BCPL HMP | 5/07/2013 | | 226222 | 6607532 | |
| 20-4-0459 | Velyama IA3 | Salvaged | | Original artefact not relocated. Area has been ploughed. 2 Artefacts Located 30m to east of original recording | Site identified within Mauls Creek HMP to be salvaged by BCOP | | INSITE HERITAGE | BCPL HMP | 23/10/2014 | | 219344 | 6608973 | |
| 20-4-0460 | Velyama IA4 | Salvaged | | Very disturbed, located on edge of ploughed paddock. Artefact not relocated | Site identified within Mauls Creek HMP to be salvaged by BCOP | | INSITE HERITAGE | BCPL HMP | 23/10/2014 | | 219264 | 6608993 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|--|-------------|-----------------|---|--|---|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0474 | NV 79 | Extant | N | Artefact Scatter | Retain in-situ, no current requirement for salvage. Review in future mine plan | Low | | BCPL HMP | | 12/11/2013 | 224486 | 6608228 | |
| 20-4-0505 | Leard Stare Forest Grinding Stone Portable | Extant | | Aboriginal Resource and Gathering : -, Aboriginal Ceremony and Dreaming : -, Artefact : - Recorded By Jane Delaney John. Unverified | Not yet determined. Review validity with RAPs. Review in future mine plans | Unknown | | BCPL HMP | | | 226239 | 6609162 | |
| 20-4-0507 | Isolated Find Flake | Extant | | Recorded By Jane Delaney John | Not yet determined. Review validity with RAPs. Review in future mine plans | Unknown | | BCPL HMP | | | 226201 | 6609171 | |
| 20-4-0510 | Leard Forest | Extant | | Artefact Scatter : - Recorded By Jane Delaney John | Not yet determined. Review validity with RAPs. Review in future mine plans | Unknown | | BCPL HMP | | | 226169 | 6609233 | |
| 20-4-0511 | Leard Forest Old Camp 3 | Extant | | isolated Artefact : - Recorded By Jane Delaney John | Not yet determined. Review validity with RAPs. Review in future mine plans | Unknown | | BCPL HMP | | | 226178 | 6609239 | |
| 20-4-0512 | Leard Forest - Old Camp | Extant | | Isolated Artefact : - Recorded By Jane Delaney John | Not yet determined. Review validity with RAPs. Review in future mine plans | Unknown | | BCPL HMP | | | 226200 | 6609177 | |
| 20-4-0526 | NV 80 | Extant | N | Artefact Scatter | Retain in-situ, no current requirement for salvage. Review in future mine plan | Cultural Significance - Moderate. Arch Significance - Low | | BCPL HMP | | 8/10/2014 | 226282 | 6608635 | |
| 20-4-0536 | TC1/14 | Salvaged | N | Surface collection and test pits | | | INSITE HERITAGE | BCPL HMP | 11/02/2014 | 23/10/2014 | 228209 | 6611192 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|--------|-------------|-----------------|--|--|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0537 | T17 | Extant | | new site relocated artefacts as above | | | INSITE HERITAGE | AHIP C00033 | 14/07/2014 | 27/05/2014 | 234166 | 6612645 | |
| 20-4-0549 | TC3/14 | salvaged | N | Isolated artefact located during 2014 tree clearance works | | | INSITE HERITAGE | BCPL HMP | 11/02/2015 | 11/02/2015 | 229761 | 6610310 | |
| 20-4-0561 | NV 81 | Extant | N | Isolated artefact located during site truthing of NV 18. Located approximately 20m to the west of NV 18 on an unformed vehicle track. ~90% surface visibility. | Likely to be impacted | Moderate | INSITE HERITAGE | BCPL HMP | 5/03/2018 | 3/06/2015 | 228604 | 6612344 | |
| 20-4-0562 | NV 82 | Extant | N | Area of PAD located to the north of TC2/15 on the edge of a large creek line. The area of pad is located on a relatively level area (slope of <5%) between 2 drainage lines toward the mid slopes of the willow tree range. While no artefacts were located, artefacts have been identified within the vicinity. Surface visibility at the time of inspection was considered to be moderate (~50%). Areas of subsurface deposit have been located within similar landform units in the area. | Likely to be impacted. Undertake manual salvage excavations and test probes. Full extent and methodology of excavation undertaken at site to be determined in consultation with the stakeholders. Detailed methodologies to be included in the AHMP. | Moderate-High | | BCPL HMP | | 3/06/2015 | 226028 | 6610965 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|--------|-------------|-----------------|---|--|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0563 | NV 83 | Extant | N | Area of PAD consisting of three consecutive creek terraces leading down toward creek bed on south eastern side of creek to TC2/15 and NV 82. While no artefacts were located, artefacts have been identified within the vicinity. Surface visibility at the time of inspection was considered to be moderate (~50%). Areas of subsurface deposit have been located within similar landform units in the area. | Likely to be impacted. Undertake manual salvage excavations and test probes. Full extent and methodology of excavation undertaken at site to be determined in consultation with the stakeholders. Detailed methodologies to be included in the AHMP. | Moderate-High | | BCPL HMP | | 3/06/2015 | 226189 | 6610827 | |
| 20-4-0565 | NV 84 | Extant | N | Isolated artefact located ~50m to east of NV 80 | Not yet determined. Review validity with RAPs. Review in future mine plans | Low | | BCPL HMP | | 3/06/2015 | 226346 | 6608647 | |
| 20-4-0566 | NV 85 | Extant | N | Isolated artefact located ~100m to SE of NV80 | Not yet determined. Review validity with RAPs. Review in future mine plans | Low | | BCPL HMP | | 3/06/2015 | 226368 | 6608585 | |
| 20-4-0567 | TC2/15 | Salvaged | | Isolated artefact collected during 2015 Tree Clearance Works | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 226072 | 6610917 | |
| 20-4-0568 | TC3/15 | Salvaged | | Isolated artefact collected during 2015 Tree Clearance Works | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 228879 | 6611846 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|--------|-------------|-----------------|---|--|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0569 | TC4/15 | Salvaged | | Modified Tree identified during 2015 tree clearance works - to be salvaged as per HMP | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 227867 | 6611351 | |
| 20-4-0570 | TC5/15 | Salvaged | | 2 Artefacts identified during 75WMod 4 Test pits (Area 4 Pit 1) prior to stick raking | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 226251 | 6608783 | |
| 20-4-0571 | TC6/15 | Salvaged | | 1 artefact identified during 75WMod 4 Test pits (Area 3 pit 2) prior to stick raking | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 226722 | 6608998 | |
| 20-4-0572 | TC7/15 | Partial | | 2 artefacts collected within the tree clearance zone. Area to the immediate south was inspected, no further artefacts were located but surface visibility was very low <20% and landform unit is typical of areas containing artefact scatters. | Likely to be impacted. Undertake manual salvage excavations and test probes. Full extent and methodology of excavation undertaken at site to be determined in consultation with the stakeholders. Detailed methodologies to be included in the AHMP. | Moderate-High | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 225184 | 6612146 | |
| 20-4-0573 | TC8/15 | Salvaged | | 1 artefact identified during Boggabri Coal Tree Clearance Works. Salvaged as per the BCPL HMP. Located on slope above ephemeral drainage line. This site is considered to have low scientific value. | | Low scientific | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 224738 | 6610478 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|------------|---------------|-----------------|---|---|---|-----------------|------------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0574 | TC9/15 | Salvaged | | 1 Artefact identified during 75WMod 4 Test pits (Area 1 Pit 9) prior to stick raking | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 3/06/2015 | 226360 | 6608543 | |
| 20-4-0583 | BC 30 (ST) | Extant | | ID used for tree and Isolated Find - Isolated Find (20-4-0124) salvaged - Tree extant | Not yet determined. Retain in-situ (re-recording of older site) | Cultural Significance - High. Arch Significance - Low | | BCPL HMP | | | 226425 | 6608589 | |
| 20-4-0584 | TC2/14 | Salvaged | N | Site Fully salvaged. Area has been stick raked. | | | INSITE HERITAGE | BCPL HMP | 3/06/2015 | 23/10/2014 | 227285 | 6610588 | |
| 20-4-0725 | TC16/1 | Salvaged | Y | Isolated Find tree clearing | | | INSITE HERITAGE | BCPL HMP | 16/08/2016 | 16/08/2016 | 226438 | 6611427 | |
| 20-4-0726 | BC16/9 | Extant | N | BDO Isolated Find | | | INSITE HERITAGE | DD tree planting | | 16/08/2016 | 217985 | 6607724 | |
| NA | BC16/3 | Extant | N | BDO - historic - survey mark | | | INSITE HERITAGE | DD | | | 236536 | 6617315 | |
| 20-4-0916 | TC 1/17 | Salvaged | N | 1 artefacts salvaged in the tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 229815 | 6610919 | |
| 20-4-0915 | TC 2/17 | Salvaged | N | 1 flake salvaged | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 229691 | 6611356 | |
| 20-4-0914 | TC 3/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 229923 | 6611772 | |
| 20-4-0913 | TC 4/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 228928 | 6612349 | |
| 20-4-0912 | TC 5/17 | Salvaged | N | artefact salvaged in the tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 228827 | 6612408 | |
| 20-4-0911 | TC 6/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 228142 | 6612020 | |
| 20-4-0910 | TC 7/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 228109 | 6611980 | |

| AHIMS # | Site | Site Status | Grader scrape ? | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date SIRF Form Submitted | Site Card Submitted | Easting GDA94 | Northing GDA94 | Notes |
|-----------|-----------|-------------|-----------------|--|---------------------|-----------------------|-----------------|---------------|--------------------------|---------------------|---------------|----------------|-------|
| 20-4-0909 | TC 8/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 227184 | 6611680 | |
| 20-4-0908 | TC 9/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 226844 | 6611577 | |
| 20-4-0907 | TC 10/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 226454 | 6611527 | |
| 20-4-0906 | TC 11/17 | Salvaged | N | isolated artefact salvaged tree clearing | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 226954 | 6611689 | |
| 20-1-0158 | TC12/17 | Salvaged | N | Isolated find | | | INSITE HERITAGE | BCPL HMP | 23/08/2019 | 6/08/2019 | 221664 | 6638474 | |
| 20-4-0978 | MOD8_1/20 | Extant | | Isolated find | | | | | | 26/10/2020 | 226226 | 6601431 | |
| 20-4-0979 | MOD8_2/20 | Extant | | Possible oven | | | | | | 26/10/2020 | 226270 | 6609238 | |
| 20-4-0980 | MOD8_3/20 | Extant | | Flakes x 2 | | | | | | 26/10/2020 | 226691 | 6608744 | |
| 20-4-0981 | MOD8_4/20 | Extant | | Modified tree | | | | | | 26/10/2020 | 226521 | 6608441 | |
| 20-4-0982 | MOD8_5/20 | Extant | | Broken Flake | | | | | | 26/10/2020 | 226349 | 6608568 | |
| 20-4-0983 | MOD8_6/20 | Extant | | Flake x 2 | | | | | | 26/10/2020 | 226151 | 6610727 | |

Appendix E Aboriginal Archaeological Site Status - BCOP BOAs & Agricultural Land

Table 10 Aboriginal Archaeological Site Status BCOP BOAs & Agricultural Land

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|-------|-------------|---------------|--------------|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------|----------|-------|
| 20-4-026 | T6/1 | Extant | | | | | INSITE HERITAGE | | | | 232792 | 6610893 | |
| 20-4-026 | T6/2 | Extant | | | | | INSITE HERITAGE | | | | 232777 | 6610913 | |
| 20-4-0414 | T2/1 | Extant | | | | | INSITE HERITAGE | | | | 233721 | 6611659 | |
| 20-4-0414 | T2/13 | Extant | | | | | INSITE HERITAGE | | | | 233725 | 6611633 | |
| 20-4-0414 | T2/2 | Extant | | | | | INSITE HERITAGE | | | | 233782 | 6611699 | |
| 20-4-0416 | T2/7 | Extant | | | | | INSITE HERITAGE | | | | 233910 | 6611963 | |
| 20-4-0416 | T2/8 | Extant | | | | | INSITE HERITAGE | | | | 233874 | 6611938 | |
| 20-4-0417 | T2/10 | Extant | | | | | INSITE HERITAGE | | | | 233624 | 6611537 | |
| 20-4-0417 | T2/12 | Extant | | | | | INSITE HERITAGE | | | | 233607 | 6611513 | |
| 20-4-0417 | T3/1 | Extant | | | | | INSITE HERITAGE | | | | 233629 | 6611503 | |
| 20-4-0417 | T3/2 | Extant | | | | | INSITE HERITAGE | | | | 233586 | 6611499 | |
| 20-4-0417 | T3/4 | Extant | | | | | INSITE HERITAGE | | | | 233576 | 6611481 | |
| 20-4-0418 | T2/3 | Extant | | | | | INSITE HERITAGE | | | | 233824 | 6611776 | |
| 20-4-0420 | T2/6 | Extant | | | | | INSITE HERITAGE | | | | 233955 | 6612056 | |
| 20-4-0421 | T4/1 | Extant | | | | | INSITE HERITAGE | | | | 233427 | 6611282 | |
| 20-4-0421 | T4/2 | Extant | | | | | INSITE HERITAGE | | | | 233431 | 6611316 | |
| 20-4-0421 | T4/3 | Extant | | | | | INSITE HERITAGE | | | | 233390 | 6611294 | |
| 20-4-0422 | T4/4 | Extant | | | | | INSITE HERITAGE | | | | 233324 | 6611201 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|-------|-------------|---------------|------------------------------|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------|----------|-------|
| 20-4-0423 | T3/5 | Extant | | | | | INSITE HERITAGE | | | | 233490 | 6611371 | |
| 20-4-0424 | T7/1 | Extant | | | | | INSITE HERITAGE | | | | 231967 | 6608717 | |
| 20-4-0425 | T9/1 | Extant | | | | | INSITE HERITAGE | | | | 231291 | 6606581 | |
| 20-4-0427 | T6/3 | Extant | | | | | INSITE HERITAGE | | | | 232942 | 6610976 | |
| 20-4-0428 | T6/4 | Extant | | | | | INSITE HERITAGE | | | | 232759 | 6610848 | |
| 20-4-0429 | T5/2 | Extant | | | | | INSITE HERITAGE | | | | 233079 | 6611092 | |
| 20-4-0431 | T5/1 | Extant | | | | | INSITE HERITAGE | | | | 233003 | 6611091 | |
| 20-4-0432 | T4/5 | Extant | | | | | INSITE HERITAGE | | | | 233231 | 6611151 | |
| 20-4-0433 | T9/5 | Extant | | | | | INSITE HERITAGE | | | | 231537 | 6606001 | |
| 20-4-0434 | T9/6 | Extant | | | | | INSITE HERITAGE | | | | 231751 | 6607129 | |
| 20-4-0435 | T9/2 | Extant | | | | | INSITE HERITAGE | | | | 231331 | 6606532 | |
| 20-4-0436 | T9/3 | Extant | | | | | INSITE HERITAGE | | | | 231648 | 6606698 | |
| 20-4-0437 | T9/4 | Extant | | | | | INSITE HERITAGE | | | | 231594 | 6606326 | |
| 20-4-0438 | T9/7 | Extant | | | | | INSITE HERITAGE | | | | 231747 | 6607214 | |
| 20-4-0439 | T9/8 | Extant | | | | | INSITE HERITAGE | | | | 231795 | 6607642 | |
| 20-4-0440 | T9/9 | Extant | | | | | INSITE HERITAGE | | | | 231758 | 6607298 | |
| 20-4-0441 | T10/3 | Extant | | artefact relocated destroyed | | not - | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 231776 | 6614765 | |
| 20-4-0442 | T10/4 | Extant | | | | | INSITE HERITAGE | | | | 231779 | 6614731 | |
| 20-4-0443 | T10/1 | Extant | | | | | INSITE HERITAGE | | | | 231246 | 6615304 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|-------|-------------|---------------|--|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------|----------|-------|
| 20-4-0444 | T10/2 | Extant | | | | | INSITE HERITAGE | | | | 231311 | 6615253 | |
| 20-4-0445 | T13/1 | Extant | | | | | INSITE HERITAGE | | | | 233721 | 6613277 | |
| 20-4-0446 | T13/2 | Extant | | | | | INSITE HERITAGE | | | | 233490 | 6614226 | |
| 20-4-0453 | T5/3 | Extant | | | | | INSITE HERITAGE | | | | 232983 | 6611000 | |
| 20-4-0465 | T15/1 | Extant | | | | | INSITE HERITAGE | | | | 231375 | 6607678 | |
| 20-4-0466 | T15/4 | Extant | | | | | INSITE HERITAGE | | | | 230983 | 6607659 | |
| 20-4-0467 | T16/1 | Salvaged | | artefact not relocated destroyed | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 231162 | 6607748 | |
| 20-4-0468 | T16/2 | Salvaged | | relocated to T15/1 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 231114 | 6607569 | |
| 20-4-0469 | T17/3 | Salvaged | | relocated to T10/1 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 231097 | 6615763 | |
| 20-4-0470 | T18/1 | Salvaged | | relocated to T8 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 234033 | 6613556 | |
| 20-4-0471 | T17/1 | N | | | | | INSITE HERITAGE | | | | 231000 | 6615274 | |
| 20-4-0472 | T17/2 | N | | | | | INSITE HERITAGE | | | | 231078 | 6615163 | |
| 20-4-0473 | T1/1 | N | | | | | INSITE HERITAGE | | | | 234101 | 6612893 | |
| 20-4-0476 | T18/2 | N | | | | | INSITE HERITAGE | | | | 234314 | 6613213 | |
| 20-4-0502 | T8 | N | | new site relocated artefacts ASIR for artefacts moved site card for new location | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | 27/05/2014 | 234209 | 6603693 | |
| 20-4-0503 | T10 | N | | new site relocated artefacts - as above | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | 27/05/2014 | 233288 | 6614531 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------------|--------------------|-------------|---------------|---|--|-----------------------|-----------------|--|----------------------|---------------------|----------|----------|-------|
| 20-4-0504 | T11 | N | | new site relocated artefacts - as above | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | 27/05/2014 | 233017 | 6614596 | |
| 20-4-0527 / 577 | PL1/15 | N | | IF – Orange Chalcedony Flake, 30x20x15mm. Focal Platform, Feather Termination Located on Access Track | Savage | Low | | as per all PL sites | | 18/06/2015 | 218849 | 6605767 | |
| 20-4-0527 | PL1/14 | N | N | Artefact Scatter 120 artefacts | Salvage within impact zone. Bellvue Pipeline | | INSITE HERITAGE | OUTSIDE BCPL HMP boundary - will need AHIP prior to earthworks | | 8/10/2014 | 220082 | 6607372 | |
| 20-4-0528 | PL8/14 | N | | Artefact Scatter 8 Artefacts & PAD | In-situ to be avoided | Low - Moderate PAD | INSITE HERITAGE | TBA | | 23/10/2014 | 219089 | 6606539 | |
| 20-4-0529 | PL2/14 (BA1) | N | | Isolated Find | In-situ to be avoided | Low | INSITE HERITAGE | TBA | | 23/10/2014 | 218880.5 | 6606632 | |
| 20-4-0530 | PL3/14 (BA2) | N | | Isolated Find | In-situ to be avoided | Low | INSITE HERITAGE | TBA | | 23/10/2014 | 218971.7 | 6606730 | |
| 20-4-0531 | PL4/14 (BA3) | N | | Isolated Find | Salvage | Low | INSITE HERITAGE | TBA | | 23/10/2014 | 219160.5 | 6607098 | |
| 20-4-0532 | PL5/14 (BA4 & BA5) | N | | Artefact Scatter -2 | Salvage | Low | INSITE HERITAGE | TBA | | 23/10/2014 | 219139 | 6606857 | |
| 20-4-0533 | PL6/14 | Y | N | 6 artefacts over 50mx 3m parallel with LF Rd. In-situ to be avoided if possible. Flake IMT 224734 6607518 (21x22x4) | Partial salvage within impact zone | Low | INSITE HERITAGE | MOD 5 | 13/02/17 | 23/10/2014 | 224937 | 6607555 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|--------|-------------|---------------|---|------------------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------------|-----------------|-------|
| 20-4-0534 | PL7/14 | N | | Isolated Find | In-situ to be avoided | Low | INSITE HERITAGE | TBA | | 23/10/2014 | 221761 | 6604864 | |
| 20-4-0535 | PL9/14 | Salvaged | N | In-situ to be avoided | | | INSITE HERITAGE | MOD 5 | 1/05/17 | 23/10/2014 | 217547 | 6606262 | |
| 20-4-0576 | PL4/15 | Salvaged | N | Small scatter of 2 artefacts – Orange/brown retouched flake. 60x45x30mm. Focal platform, steep retouch right lateral margin. Grey IMT flake. 30x30x10mm. Focal Platform, Hinge Termination. Located in ploughed paddock | Avoid if possible or salvage | Low | INSITE HERITAGE | MOD 5 | 13/02/17 | 18/06/2015 | 217665 | 6606196 | |
| 20-4-0578 | PL3/15 | Extant | | IF – Grey Chert retouched Flake. 20x15x7mm. Retouch distal end. Located on Access Track | Avoid if possible or salvage | Low | | TBA | | 18/06/2015 | 218368 | 6605828 | |
| 20-4-0579 | PL2/15 | Extant | | IF – Red IMT Retouched flake 30x30x15mm. Broad Platform Retouch on lateral and distal margins. Located on Access Track | Salvage | Low | | TBA | | 18/06/2015 | 218744 | 6605718 | |
| 20-4-0585 | BC16/5 | Extant | N | BDO AS 6 7m x 65m | | | INSITE HERITAGE | DD | | | 235297-235322 | 6615810-6615819 | |
| 20-4-0586 | BC16/4 | Extant | N | BDO AS 4 | | | INSITE HERITAGE | DD | | | 236543 | 6617305 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|----------------|--------|-------------|---------------|--|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------------|-----------------|-------|
| 20-4-0587 | BC16/2 | Extant | N | BDO IF | | | INSITE HERITAGE | DD | | | 238216 | 6611756 | |
| 20-4-0588 | BC16/1 | Extant | N | BDO AS - 5 (area 5mx5m) | | | INSITE HERITAGE | DD fence | | | 237890 | 6617788 | |
| 20-4-0722 | BC16/7 | Extant | N | BDO IF | | | INSITE HERITAGE | DD | | 16/08/2016 | 234198 | 6615063 | |
| 20-4-0723 | BC16/8 | Extant | N | BDO AS 5 | | | INSITE HERITAGE | DD | | 16/08/2016 | 236775 | 6612827 | |
| 20-4-0724 | BC16/6 | Extant | N | BDO AS 2 | | | INSITE HERITAGE | DD | | 16/08/2016 | 236066 | 6615709 | |
| 20-4-0585 | BC16/5 | Extant | N | BDO AS 6 7m x 65m | | | INSITE HERITAGE | DD | | | 235297-235322 | 6615810-6615819 | |
| 20-4-0586 | BC16/4 | Extant | N | BDO AS 4 | | | INSITE HERITAGE | DD | | | 236543 | 6617305 | |
| 20-4-0587 | BC16/2 | Extant | N | BDO IF | | | INSITE HERITAGE | DD | | | 238216 | 6611756 | |
| 20-4-0588 | BC16/1 | Extant | N | BDO AS - 5 (area 5mx5m) | | | INSITE HERITAGE | DD fence | | | 237890 | 6617788 | |
| 20-4-0722 | BC16/7 | Extant | N | BDO IF | | | INSITE HERITAGE | DD | | 16/08/2016 | 234198 | 6615063 | |
| 20-4-0723 | BC16/8 | Extant | N | BDO AS 5 | | | INSITE HERITAGE | DD | | 16/08/2016 | 236775 | 6612827 | |
| 20-4-0724 | BC16/6 | Extant | N | BDO AS 2 | | | INSITE HERITAGE | DD | | 16/08/2016 | 236066 | 6615709 | |
| part 20-4-0417 | T2/11 | Salvaged | | relocated to T4/1 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 233576 | 6611526 | |
| part 20-4-0419 | T2/9 | N | | | | | INSITE HERITAGE | AHIP C00033 | | | 233812 | 6611870 | |
| part 20-4-0419 | T2/4 | Salvaged | | relocated to T15/1 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 233860 | 6611843 | |
| part 20-4-0419 | T2/5 | Salvaged | | relocated to T15/1 | | | INSITE HERITAGE | AHIP C00033 | 14/07/14 | | 233888 | 6611873 | |
| 20-4-0918 | TP A13 | Extant | N | Scattered isolated finds over a treeplanting area A13 West | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 215795 | 6604048 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|-----------|-------------|---------------|--|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------|----------|-------|
| 20-4-0917 | TPA14 | Extant | N | isolated finds scattered over treeplanting area West Nov17 | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 215517 | 6605199 | |
| 20-4-0919 | TP A15 | Extant | N | isolated finds scattered over treeplanting area West Nov17 | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 217472 | 6608048 | |
| 20-4-0920 | TP A8 | Extant | N | Isolated artefacts 13 over 820 x 380 m - note all TP sites Nov17 | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 218457 | 6607592 | |
| 20-4-0921 | TP A7 | Extant | N | Isolated artefact IMT flake 30x28x10 | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 218573 | 6608256 | |
| 20-4-0923 | TP A5B | Extant | N | 13 artefacts over 700m 330m area incl a grindstone | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 220105 | 6607106 | |
| 20-4-0922 | TP A6 | Extant | N | 10 artefacts over an area of 250 x 140m Area 4 TP West Nov 17 | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 219095 | 6607308 | |
| 20-4-0926 | TP A5 S3 | Extant | N | 17 cores 27 flakes possible grinding stone over 1km x 1.1km | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 222197 | 6607169 | |
| 20-4-0924 | TP A1 | Extant | N | 15 Flakes, FP's and 3 cores over 500x200 m Vic Park | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 223995 | 6604844 | |
| 20-4-0927 | TPW A5 S2 | Extant | N | isolated quartz flake broken distal | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 221769 | 6606685 | |

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|-----------|-----------|-------------|---------------|---|---------------------|-----------------------|-----------------|---------------|----------------------|---------------------|---------|----------|-------|
| 20-4-0928 | TP A16 S1 | Extant | N | 6 artefacts over 530 x 400m tree planting and a quinine tree | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 214190 | 6607733 | |
| 20-4-0929 | TP A16 S2 | Extant | N | 2 malachite BF, 1 IMT F, 2x IMT flake/scrapers 208x90m area | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 214466 | 6607781 | |
| 20-4-0930 | TP A16 S3 | Extant | N | 12 artefacts over 145 x 225m | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 214143 | 6608099 | |
| 20-4-0931 | TP A16B | Extant | N | 6x artefacts over 300x70m BaanBaa Range | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 213669 | 6607267 | |
| 20-4-0925 | TPW A5S1 | Extant | N | mudstone core, chalcedony flake Vic Park area 20x5m | | | INSITE HERITAGE | BCPL HMP | | 12/08/2019 | 222158 | 6607812 | |
| 20-4-0937 | TP EV S1 | Extant | N | isolated IMT flake | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 212891 | 6604844 | |
| 20-4-0936 | TP EV S9 | Extant | N | isolated silcrete flake | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 214857 | 6603907 | |
| 19-6-0179 | TP EV S7 | Extant | N | IMT flake, silcrete BF 212271E6602267N. Chalcedony F 212263E6602266N | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 212263 | 6602266 | |
| 20-4-0935 | TP EV S8 | Extant | N | IMT F IMT core 212818 E 6602192N | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 212849 | 6602189 | |
| 20-4-0934 | TP EV S5 | Extant | N | IMT core | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 213779 | 6602539 | |
| 20-4-0933 | TP EVS6 | Extant | N | IMT core see Eastview Tree | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 214231 | 6602935 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
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| | | | | planting report 2017 | | | | | | | | | |
| 19-6-0178 | TP EVS2 | Extant | N | 6 artefacts over 150 x100m Eastview | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 212600 | 6604498 | |
| 19-6-0177 | TP EV S3 | Extant | N | IMT core | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 212589 | 6603288 | |
| 20-4-0932 | TP EV S4 | Extant | N | 6 IF over 300x220m to214031 6603842 | | | INSITE HERITAGE | BCPL HMP | | 20/08/2019 | 213786 | 6603579 | |
| 20-4-0889 | BC_FL_IF 1/17 | Extant | | isolated find | | | | | | 6/08/2019 | 244176 | 6608436 | fence line December 17 |
| NA | BC_FL_T 2/17 | Extant | | tree grey box with fence rail attached | | | | | | 6/08/2019 | 247223 | 6608215 | not a site tree to be avoided |
| 20-4-0890 | BC_FL_AS 3/17 | Extant | | Basalt flakes | | | | | | 6/08/2019 | 244057 | 6608404 | |
| 20-4-0891 | BC_FL_IF 4/17 | Extant | | Silcrete flake | | | | | | 6/08/2019 | 243977 | 6608399 | |
| 20-4-0892 | BC_FL_IF 5/17 | Extant | | IMT flake | | | | | | 6/08/2019 | 244374 | 6608399 | |
| 20-4-0893 | BC_FL_IF 6/17 | Extant | | Silcrete flake | | | | | | 6/08/2019 | 244155 | 6608439 | |
| | BC_FL_IF 7/17 | Extant | | recorded as T10/17 | | | | | | 6/08/2019 | 243959 | 6608380 | out of area |
| 20-4-0894 | BC_FL_IF 18/17 | Extant | | chert flake core | | | | | | 6/08/2019 | 244070 | 6608404 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
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| | BC_FL_IF 9/17 | Extant | | mussel shells - site to be confirmed | | | | | | | 244822 | 6606256 | to be investigated further |
| 20-4-0896 | BC_FL_T 10/17 | Extant | | scar tree | | | | | | 6/08/2019 | 244759 | 6606403 | not a site - cultural interest |
| 20-4-0895 | BC_FL_IF 11/17 | Extant | | IMT broken flake | | | | | | 6/08/2019 | 247400 | 6606693 | |
| 16-4-0049 | BC 10/17 | Extant | | AS On track – sample artefacts recorded | | | | | | 12/04/2017 | 223675 | 6609078 | Tree Planting east BC 10 to BC 41 |
| 16-4-0050 | BC 11/17 | Extant | | AS - 4 artefacts | | | | | | 12/04/2017 | 223707 | 6608707 | |
| 16-4-0048 | BC 12/17 | Extant | | On a track sample recorded – centre point recorded – 65m long, AS >15 artefacts | | | | | | 12/04/2017 | 223650 | 6609434 | |
| 16-4-0041 | BC 13/17 | Extant | | Isolated find. | | | | | | 12/04/2017 | 223628 | 6609064 | |
| 16-4-0042 | BC 14/17 | Extant | | Isolated find. | | | | | | 12/04/2017 | 223510 | 6608923 | |
| 16-4-0043 | BC 15/17 | Extant | | Isolated find. | | | | | | 12/04/2017 | 223126 | 6608493 | |
| 16-4-0044 | BC 16/17 | Extant | | Sample recorded site 30m N-S and 40m E-W, AS 6 artefacts | | | | | | 12/04/2017 | 223701 | 6608586 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|----------|-------------|---------------|---|---------------------|-----------------------|----------|---------------|----------------------|---------------------|---------|----------|-------|
| 16-4-0047 | BC 17/17 | Extant | | AS, 2 artefacts | | | | | | 12/04/2017 | 223684 | 6608744 | |
| 16-4-0046 | BC 18/17 | Extant | | AS, 2 artefacts | | | | | | 12/04/2017 | 223849 | 6608392 | |
| 16-4-0045 | BC 19/17 | Extant | | Isolated find. | | | | | | 12/04/2017 | 224351 | 6608537 | |
| 20-4-0740 | BC 20/17 | Extant | | Isolated find. | | | | | | 31/05/2017 | 224570 | 6608561 | |
| 16-4-0040 | BC 21/17 | Extant | | Low density scatter over the entire area. 44 artefacts. | | | | | | 12/04/2017 | 234063 | 6613680 | |
| 20-4-0905 | BC 22/17 | Extant | | Isolated find | | | | | | 7/08/2019 | 232983 | 6614028 | |
| 20-4-0904 | BC 23/17 | Extant | | Artefact scatter x 2 | | | | | | 7/08/2019 | 233105 | 6613949 | |
| 20-4-0903 | BC 24/17 | Extant | | Artefact scatter x 2 | | | | | | 7/08/2019 | 233383 | 6613863 | |
| 20-4-0902 | BC 25/17 | Extant | | Artefact scatter x 4 | | | | | | 7/08/2019 | 234124 | 6614127 | |
| 20-4-0901 | BC 26/17 | Extant | | Isolated find | | | | | | 7/08/2019 | 236946 | 6613583 | |
| 20-4-0900 | BC 27/17 | Extant | | Isolated find | | | | | | 7/08/2019 | 237142 | 6615242 | |
| 20-4-0899 | BC 28/17 | Extant | | Artefact scatter x 2, cores | | | | | | 7/08/2019 | 237066 | 6615190 | |
| 20-4-0898 | BC 29/17 | Extant | | Isolated find | | | | | | 7/08/2019 | 237090 | 6615158 | |
| 20-4-0897 | BC 30/17 | Extant | | Artefact scatter x 3, 1 flake, 2 cores | | | | | | 7/08/2019 | 237852 | 6614957 | |
| 20-4-0955 | BC 31/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 233074 | 6614001 | |
| 20-4-0954 | BC 32/17 | Extant | | Isolated find | | | | | | 31/.8/2019 | 232993 | 6614183 | |
| 20-4-0953 | BC 33/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 232964 | 6613460 | |
| 20-4-0952 | BC 34/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 232975 | 6613440 | |
| 20-4-0951 | BC 35/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 232991 | 6613455 | |
| 20-4-0950 | BC 36/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 233174 | 6613453 | |
| 20-4-0949 | BC 37/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 234276 | 6613759 | |

| AHIMS # | Site | Site Status | Grader scrape | Site Details | Management Strategy | Recorded Significance | Actioned | Authorisation | Date ASIRF Submitted | Site Card Submitted | Easting | Northing | Notes |
|-----------|----------|-------------|---------------|---|---------------------|-----------------------|----------|---------------|----------------------|---------------------|---------|----------|------------------------------------|
| 20-4-0948 | BC 38/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 236748 | 6615203 | |
| 20-4-0947 | BC 39/17 | Extant | | Artefact scatter > 20 flakes and cores. | | | | | | 31/08/2019 | 237854 | 6614977 | |
| 20-4-0946 | BC 40/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 236355 | 6615676 | |
| 20-4-0945 | BC 41/17 | Extant | | Isolated find | | | | | | 31/08/2019 | 236385 | 6615667 | |
| 20-4-0870 | BC1/18 | Extant | | Isolated find - axe | | | | | | 22/01/2019 | 249631 | 6607814 | BC 1 - 18/18 fence line east sites |
| 20-4-0869 | BC2/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 249730 | 6605736 | |
| 20-4-0868 | BC3/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 252596 | 6607987 | |
| 20-4-0867 | BC 4/18 | Extant | | artefact scatter along ridge / spur | | | | | | 22/01/2019 | 253482 | 6608625 | |
| 20-4-0866 | BC 6/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 250786 | 6612562 | |
| 20-4-0865 | BC 7/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 250889 | 6612562 | |
| 20-4-0864 | BC 5/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 250671 | 6612550 | |
| 20-4-0863 | BC8/18 | Extant | | Isolated find | | | | | | 22/01/2019 | 251137 | 6612828 | |

Appendix F Example of Archaeological Clearance Form and RACI

| | | |
|--|--|-----------------------|
| | Archaeology Clearance Works Site Inspection Sign off Form | Dates: _____ _____ |
|--|--|-----------------------|



| | | | |
|--|--|--------------------|----------------------------|
| Location of Clearance Works | | | |
| General description | | | |
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| | | | |
| GPS Co-ordinates of Works Area | | | |
| NW Corner Easting | | NE Corner Easting | |
| NW Corner Northing | | NE Corner Northing | |
| | | | |
| SW Corner Easting | | SE Corner Easting | |
| SW Corner Northing | | SE Corner Northing | |
| Archaeological Clearance Type | | | PLEASE TICK (✓) |
| Aboriginal Archaeological Due Diligence | | | |
| Aboriginal Archaeological Salvage &/or Monitoring (provide details below if salvage work) | | | |
| Historic Archaeological Works | | | |
| Description of Salvage Works Undertaken | | | |
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|  | Archaeology Clearance Works Site Inspection Sign off Form | Dates: _____ _____ |
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| Signatories The archaeological works described above have been completed as per proposed methodology | | |
|--|--------------|-----------|
| Name | Organisation | Signature |
| | | |
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Please attach map/figures showing location

RACI

R = Responsible (also recommender)

Those who are responsible for the correct completion of the task. There is at least one role with a participation type of *responsible*, although others can be delegated to assist in the work required. (See also *RASCI* below for separately identifying those who participate in a supporting role.)

A = Accountable (also approver or final approving authority)

The one ultimately answerable for the correct and thorough completion of the deliverable or task, the one who ensures the prerequisites of the task are met and who delegates the work to those *responsible*. In other words, an *accountable* must sign off (approve) work that *responsible* provides. There **must** be only one *accountable* specified for each task or deliverable.

C = Consulted (sometimes consultant or counsel)

Those whose opinions are sought, typically subject-matter experts, and with whom there is two-way communication.

I = Informed (also informee)

Those who are kept up-to-date on progress, often only on completion of the task or deliverable, and with whom there is just one-way communication.

| | |
|-------------|---|
| Responsible | R |
| Accountable | A |
| Consulted | C |
| Informed | I |

Responsibility Matrix: Salvage of Aboriginal Objects

| | BCO Env Supt | BCO Project Supervisor | Archaeologist | RAP |
|--|--------------|------------------------|---------------|-----|
| Determination of disturbance area | A / R | | | |
| Determination of salvage methodology | C | C | A | C |
| Risk Assessment and development of associated controls | A | R | C | C |
| Artefact Collection Supervision | A | C | R | C |
| Artefact Collection/salvage works | A | C | R | C |
| Assessment of methodology completion | C | C | A | C |
| Area Sign Off | A | C | R | C |
| Salvage report | A | | R | |

Appendix G DPIE Approval of Consultants

Department of Planning and Environment



Our ref: MP09_0182-PA-45

Alex Williams
Environmental Compliance Superintendent
Boggabri Coal Operations Pty Ltd
PO Box 12
Boggabri, NSW, 2382

22/08/2023

Subject: Appointment of Mr Ben Churcher for the Heritage Management Plan

Dear Ms Williams

I refer to your request for the Planning Secretary's endorsement of Mr Ben Churcher of OzArk Environment and Heritage, to prepare the updated Heritage Management Plan, as required under Schedule 3, Condition 56 of the project approval for Boggabri Coal Mine (MP09_0182)

The Department has reviewed the nomination and information you have provided and is satisfied that Mr Churcher is suitably qualified and experienced. Accordingly, I can advise that the Planning Secretary endorses the appointment of Mr Churcher to prepare the updated Heritage Management Plan for Boggabri Coal Mine.

If you wish to discuss the matter further, please contact Brittany Golding on 02 9995 5742.

Yours sincerely



Stephen O'Donoghue
Director
Resource Assessments
As nominee of the Planning Secretary

Appendix HDPHI Approval of the Boggabri Coal Cultural Heritage Management Plan

Mining & Industry Projects

Contact: Stephen O'Donoghue

Phone: 0477 345 626

Email: stephen.o'donoghue@planning.nsw.gov.au

Dr Jan Green
Manager Corporate Sustainability and Environment
Boggabri Coal Pty Limited.
GPO Box 1127
BRISBANE QLD 4001

Dear Dr Green


**Boggabri Coal Mine (MP 09_0182)
Approval of the Cultural Heritage Management Plan**

I refer to the draft Cultural Heritage Management Plan for the Boggabri Coal Project initially submitted to the Department on 2 August 2012. Following comments provided by the Department and Office of Environment and Heritage (OEH) a number of revisions were made to the plan with the final version submitted on 30 November 2012 (Revision 3 – report dated November 2012).

The Department has completed its review and considers the plan appropriately drafted. Accordingly, the Director-General has approved the Cultural Heritage Management Plan.

Should you have any enquiries in relation to the above, please contact Stephen O'Donoghue.

Yours sincerely

 3/12/12

David Kitto
Director
Mining & Industry Projects
as the Director-General's nominee