



**NARRABRI MINE
ENVIRONMENTAL
MANAGEMENT SYSTEM**

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**WHC_PLN_NAR_ABORIGINAL CULTURAL HERITAGE MANAGEMENT
PLAN**

ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Edition	Rev.	Comments	Author	Authorised By	Date
1	0	Initial document	D Young	C Burgess	December 2007
1	1	Stage 2 Revision	S Farrar	S Pegg	November 2011



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ACRONYMS USED THROUGHOUT THIS DOCUMENT

AR	-	Annual Review
ACHMP	-	Aboriginal Cultural Heritage Management Plan
CHPP	-	Coal Handling and Preparation Plant
DP&I	-	Department of Planning and Infrastructure (formerly Department of Planning (DoP))
DPI	-	Department of Primary Industries (formerly Department of Industry and Investment (I&I NSW))
EA	-	Environmental Assessment
EPL	-	Environment Protection Licence
LALC	-	Local Aboriginal Land Council
Mtpa	-	Million tonnes per annum
NCOPL	-	Narrabri Coal Operations Pty Ltd
NSC	-	Narrabri Shire Council
OEH	-	Office of Environment and Heritage (formerly Department of Environment, Climate Change and Water (DECCW))
PA	-	Project Approval



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1 INTRODUCTION

1.1 Scope, Objectives and Area of Applicability

The Narrabri Mine ("the mine") is located approximately 30km south-southeast of Narrabri, and 10km north-northwest of Baan Baa (see **Figure 1**). The mine is being developed by Narrabri Coal Operations Pty Ltd (NCOPL) as an underground mining operation.

The mine lies within a 5,213ha area covered by mining lease ML 1609 ("the mine site"), with an indicative mining area of approximately 3,630ha, and a surface facilities area of approximately 465ha.

The site operates under Project Approval (PA) 08_0144, which was granted by the Minister for Planning on the 26th July 2010 and incorporates:

- Underground Longwall mining with an annual production rate of 8Mtpa;
- Mine ventilation and gas drainage;
- Mine dewatering;
- Processing, stockpiling and loading of coal, which includes construction of a Coal Handling and Preparation Plant (CHPP);
- Emplacement of processing reject and storage of saline water;
- Construction and use of a water pipeline from the Namoi River;
- Transportation of the coal from the mine site to Port Newcastle via train;
- Final rehabilitation of surface disturbance following completion of the project; and
- All ancillary and related activities.

The following list details the main activities that have been commenced or completed at the time of development of this plan:

- Kamlaroi Highway upgrade;
- Site access and Kurrajong Creek road upgrade;
- Administration and industrial buildings (i.e. workshop, store);
- Ventilation fans;
- 66kv transmission line as well as high and low voltage works;
- Rail loop;
- Sewage treatment plant;
- Box cut;
- Drift construction;
- Drift and skyline conveyors;



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- Train load out;
- CHPP (commenced but not completed);
- West Mains ventilation shaft (commenced but not completed); and
- Gas pre-drainage infrastructure (ongoing).

This Aboriginal Cultural Heritage Management Plan (ACHMP) incorporates a revision of the ACHMP required by the Stage 1 project consent conditions. This ACHMP has been prepared to satisfy Condition 4(23) of PA 08_0144, and has been developed in accordance with the following objectives:

- To provide a precise set of procedures to enable the identification and conservation of physical and cultural heritage sites and artefacts within the project site;
- To provide management strategies for those parts of the mine site not affected by mining or mining-related activities;
- To ensure all personnel are aware of their obligations, responsibilities and the procedures under the *National Parks and Wildlife Act 1974* and *NSW Heritage Act 1977*; and
- To establish a consultation protocol with the Narrabri Local Aboriginal Land Council (LALC) and Gomeroi Narrabri People, who are representatives of the local Aboriginal community.

The ACHMP has been prepared with reference to relevant legislation, approvals and guidelines, follows the management plan requirements specified in Condition 6(2) of PA 08_0144 and is consistent with the commitments in the following documents:

- Narrabri Coal Project Environmental Assessment (Stage 1 EA) – specifically sections 4B.4 and 4C.6 (RWC, 2007);
- Aboriginal Heritage Assessment – included as Volume 1 (Part 4) of the Stage 1 Narrabri Coal Project Environmental Assessment Specialist Consultant Studies Compendium (AASC, 2007);
- Stage 2 Longwall Project Environmental Assessment (Stage 2 EA) – specifically sections 4B.5 (RWC, 2009);
- Aboriginal Heritage Assessment – included as Volume 2 (Part 5) of the Stage 2 Longwall Project Environmental Assessment Specialist Consultant Studies Compendium (ASR, 2009); and
- Stage 2 Final Statement of Commitments – specifically Section 9.

With reference to the identified Aboriginal artefacts, and Aboriginal cultural heritage generally, Conditions 4(22-24) of PA 08_0144 state:

- “22. *The Proponent shall not destroy damage or deface any known Aboriginal objects (as defined in the National Parks and Wildlife Act 1974) without the written approval of the Director-General.*
23. *The Proponent shall revise the Aboriginal Cultural Heritage Management Plan for the Stage 1 project to encompass all proposed mine activities and*



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potential impacts associated with Aboriginal cultural heritage management for the site (Stages 1 and 2) and subsequently implement this revised version of the Aboriginal Cultural Heritage management Plan to the satisfaction of the Director-General. The plan must:

- (a) *be submitted the Director-General by 30 June 2011;*
 - (b) *be prepared in consultation with the DECCW, the Narrabri Local Aboriginal Land Council and the Narrabri Goomeroi Aboriginal Corporation;*
 - (c) *include a protocol for the ongoing consultation and involvement of Aboriginal communities in the conservation and management of Aboriginal heritage on site; and*
 - (d) *describe the measures that would be implemented to protect Aboriginal sites on the mine site, (in particular all known Aboriginal sites on lands overlaying Longwalls 1-3 and sites 10b, 38, 39, and 106-112), or any new Aboriginal objects or skeletal remains that are identified during the project.*
24. *Prior to undertaking any activities involving surface disturbance or vegetation removal for the lands overlying Longwalls 8-26, the Proponent shall undertake a detailed Aboriginal cultural heritage survey in consultation with the local Aboriginal community and DECCW, and to the satisfaction of the Director-General. The Director-General may approve this survey being undertaken in several stages, as mining progresses.”*

1.2 Relevant Legislation

The protection of Indigenous cultural heritage in New South Wales is principally governed by the *National Parks and Wildlife Act 1974* (NPW Act), which is administered by the OEH. Major developments, as is the case for Narrabri Coal Operations, are principally governed by the *Environmental Planning and Assessment Act 1979* (EP&A Act). The EP&A Act is designed to facilitate major and critical infrastructure developments.

As both project approvals for the Stage 1 and 2 projects were issued under Part 3A of the EP&A Act, the terms of the approval overrides or negates any protection or conditions that might otherwise have applied, such as under Section 90 of the NPW Act. Hence, a Section 90 Consent under the NPW Act is not required to enable the development of or disturbance to an archaeological site once a project approval has been issued. However, regardless of Part 3A, any person (whether they have a 'legal interest' in the area or not) can bring proceedings against a person damaging or destroying Indigenous cultural heritage in the Land and Environment Court (NSW) to prevent or remedy that damage or destruction (s.176). In addition to individual penalties, an order can also be made that compensation is to be paid for the damage or destruction of the Aboriginal Object or area.

Consultation undertaken for the Stage 1 and 2 EAs, has been in accordance with the NSW Government's "*Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DECC 2004)*". Future investigations on site will also give due consideration to the "*Aboriginal Cultural Heritage Consultation Requirements for Proponents, 2010*".



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1.3 Document Format

The structure of the ACHMP is as follows:

- **Section 1** (Introduction) – outlines the area and activities subject of the ACHMP, the objectives of the plan, relevant legislation, document format and the consultation undertaken;
- **Section 2** (Archaeological and Cultural Heritage of the Mine Site) – describes the results of the archaeological and cultural heritage assessments undertaken over the mine site during the preparation of the Environmental Assessments for the Narrabri Coal Mine Stage 1 and 2 projects;
- **Section 3** (Conservation Program) – describes the management strategies for known sites, any future sites which may be identified and areas not affected by mining activities.
- **Section 4** (Consultation, Monitoring and Reporting) – discusses ongoing consultation, monitoring and reporting.
- **Section 5** (Roles, Responsibilities and Plan Review Timeframes) – includes procedures for addressing non-compliances and defining review timeframes.

Sections 4B.4 and 4C.6 of the Stage 1 EA and Section 4B.5 of the Stage 2 EA and the associated Aboriginal Heritage Assessment reports should be referred to for baseline information relating to Aboriginal cultural heritage of the mine site.

1.4 Consultation

An initial draft of this ACHMP was prepared based on the requirements of PA 08_0144, the recommendations and findings of the Stage 1 and Stage 2 Environmental Assessments and the associated Aboriginal Heritage Assessments. A copy of the draft ACHMP was then referred to the Narrabri LALC, the Gomerai Narrabri People and the OEH for further consideration and ratification. Correspondence with the registered Aboriginal stakeholders and the OEH is attached as **Appendix 1**.



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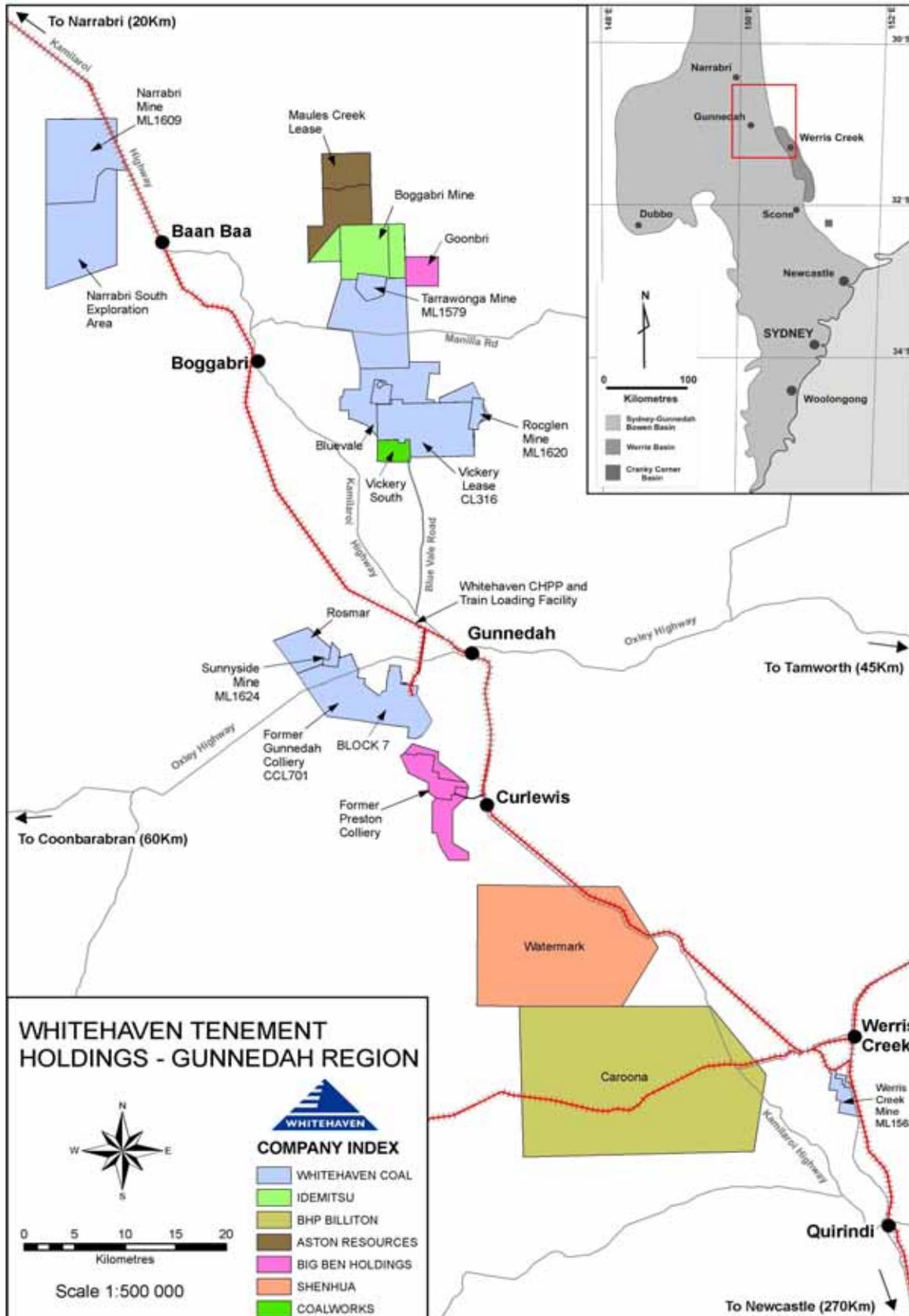


Figure 1 Narrabri Mine Location



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2 ARCHAEOLOGICAL AND CULTURAL HERITAGE OF THE MINE SITE

2.1 Introduction

Two assessments of Aboriginal cultural heritage at the mine site have been undertaken. The first assessment was undertaken in March 2007 for the Stage 1 project and encompassed the Pit Top Area of the mine site. The second assessment was undertaken in November 2009 for the Stage 2 project and consisted of a detailed survey of the surface area associated with Longwall Panels 1 to 7, the Brine Storage Pond Area and the Namoi River Water Pipeline. As part of the Stage 2 work, a reconnaissance survey was also undertaken of Longwall Panels 8 to 26 to substantiate the representativeness of the results of surveys for Longwall Panels 1 to 7, and to provide a larger basis on which to assess the cumulative impacts associated with site salvage, which requires the approval of the Director-General,.

In addition to the two assessments outlined above, a further survey of Longwall Panels 1 to 5 was undertaken to define the spatial parameters of the 51 sites identified in the November 2009 assessment.

All assessments and surveys were undertaken in consultation with representatives of the local Aboriginal community.

2.2 Methods of Investigation

In order to identify any Indigenous cultural heritage sites or areas that may have been previously recorded in the mine site, the Aboriginal heritage assessment of the mine site was undertaken as follows.

1. A review of the available archaeological information on and surrounding the mine site.
2. A field survey of the areas of the mine site that would be disturbed by the project. The field survey included on-site discussions with representatives of Narrabri LALC and Gomeroi Narrabri People.
3. The location of any identified Indigenous cultural heritage sites was recorded and plotted.
4. Additional areas of potential archaeological sensitivity within the mine site were identified through consideration of the field assessment survey results.
5. The significance of all Indigenous cultural heritage sites or objects identified within the mine site was assessed (in consultation with Narrabri LALC and Gomeroi Narrabri People).
6. A set of management procedures for all identified sites and areas of potential archaeological sensitivity identified within the mine site was developed.
7. The impact on Aboriginal heritage as a result of the surface disturbance on the mine site was assessed.



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2.3 Survey Results

The surveys undertaken have identified a total of 129 Aboriginal Sites within the mine site. The survey associated with the Stage 1 EA identified 7 sites. The survey undertaken for the Stage 2 EA identified 122 sites (note that Site 10 has been identified as two sites i.e. 10a (artefact scatter) and 10b (grinding grooves)). These are summarised in **Table 1** and presented on **Figure 2**.

Table 1: Identified Aboriginal Heritage Sites – Narrabri Mine

Site No.	Easting	Northing	Type	Comments
<i>Narrabri Coal Mine Stage 1 Assessment (Pit Top Area)</i>				
1	778770	6620785	Resource Site	Wild Orange Trees, a native food resource
2	778351	6621156	Artefact Scatter	Low density scatter located on the edge of the creek terrace. 12 flakes were identified within a 10m radius
3	778098	6621242	Scarred Tree	Dead tree, with upper half broken off and lying on the ground. The cultural scar is approximately 104cm x 30cm and is located on the standing section
4	778338	6620931	Artefact Scatter	Low density scatter exposed by the erosion of the creek terrace. >10 artefacts within a 20m radius, including flakes and cores
5	778859	6620615	Isolated Find	3 Chert flakes exposed by small gully erosion joining the creek
6	779673	6619677	Isolated Find	1 Silcrete flake located in agricultural paddock
7	772759	6621273	Scarred Tree	A cultural scar on a fallen tree
<i>Narrabri Coal Mine Stage 2 Assessment (Longwall Panels 1 to 7)</i>				
1	774380	6623220	Artefact Scatter	10-15 Artefacts in 8m*8m on eroding creek bank of Pine Creek plus additional artefact 30m to east
2	774460	6623260	Isolated Artefact	Isolated find within 30m of creek bank
3	774680	6623380	Artefact Scatter	4 Artefacts in 3m*3m area plus additional 3 artefact 10m to the west
4	774540	6623370	Artefact Scatter	6 Artefacts over 8m*5m area of actively eroding creek bank plus ground edged axe 10 metres west
5	775150	6622600	Artefact Scatter	3 Artefacts over 2m*2m area adjacent to Pine Creek
6	775250	6623000	Artefact Scatter	3 Artefacts over 3m*2m area adjacent to track at creek crossing
7	775170	6623200	Artefact Scatter	6 Artefacts over 30m*10m area within horseshoe bend of creek
8	775100	6623230	Isolated Artefact	Chert Flaked Piece within 10m of creek.
9	775000	6623380	Isolated Artefact	Quartz trimming flake within 20m of creek
10a	775270	6623190	Artefact Scatter	2 Artefacts (Chert Flakes) 2m apart 20m from creek



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Site No.	Easting	Northing	Type	Comments
10b	775260	6623160	Axe Grinding Grooves	3 grooves on 2 floaters of sandstone within 50m of creek
11	775030	6623313	Artefact Scatter	11 Artefacts over 12m*4m area within 20m of creek
12	775640	6621690	Artefact Scatter	3 Artefacts over 2m*2m area being 3 cores of Chert
13	775700	6621640	Artefact Scatter	4 Artefacts over 30m*2m area comprising Core and Flakes
14	775780	6621690	Isolated Artefact	Flaked Piece of Chert within 20m of creek
15	775820	6621630	Artefact Scatter	2 Artefacts 3m apart, Core and Flake
16	776130	6621700	Artefact Scatter	7 Artefacts over 30m*3m area within 20m of creek
17	776180	6621690	Isolated Artefact	Chert Flake 10m from creek
18	776200	6621700	Artefact Scatter	4 Artefacts over 30m*2m area within 20m of creek comprising Core and Flakes
19	776250	6621700	Artefact Scatter	18 Artefacts over 20m*20m area including collapsed wall of dam
20	776400	6621660	Scarred Tree	Scarred Tree within 1 metre of creek
21	776600	6621740	Isolated Artefact	Chert Flake within 30m of creek
22	776050	6621620	Artefact Scatter	5 Artefacts over 15m*5m area south of the wall of a dam
23	776100	6621620	Artefact Scatter	3 Artefacts over 25m*1m area – all flakes, 30-40m from creek
24	776130	6621450	Artefact Scatter	2 Artefacts in vehicle track crossing creek comprising Core and Flake
25	775980	6621270	Isolated Artefact	Chert flake at junction of drainage line with Creek
26	776020	6621260	Isolated Artefact	Chert flake at junction of drainage line with Creek
27	776010	6621200	Artefact Scatter	2 Artefacts 3m apart, 2 Flakes
28	775900	6621080	Isolated Artefact	Flake at junction of drainage channel and creek
29	775780	6620780	Isolated Artefact	Core at junction of drainage channel and creek
30	775690	6620800	Artefact Scatter	2 Artefacts 4m apart on gully bank
31	775730	6620740	Artefact Scatter	3 Artefacts in 5m*1m area. Core and flakes within gully bank
32	776250	6621480	Artefact Scatter	2 Artefacts 10m apart. Core and Flake 40m from creek
33	776250	6621510	Artefact Scatter	2 Artefacts 15m apart. Flakes 12m from creek
34	776270	6621560	Artefact Scatter	4 Artefacts 15m apart. Flakes 10m from creek
35	775710	6622970	Artefact Scatter	2 Artefacts 20m apart. Flakes 30m from creek
36	775760	6623060	Isolated Artefact	Chert flake 35m from creek
37	775640	6623290	Isolated Artefact	Chert flake in road 15m from drainage line and 50m from creek.



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Site No.	Easting	Northing	Type	Comments
38	775580	6623390	Artefact Scatter	13 Artefacts in 20m*15m area over low rise 30m from creek
39	775660, 775680, 775680, 775650	6623460, 6623480, 6623520, 6623530	Artefact Scatter	>100 Artefacts contained within these coordinates, 30m from the creek, comprising flakes and flake pieces
40	775720	6623530	Artefact Scatter	4 Artefacts over 7m*5m area 10m from creek comprising flakes and flake pieces
41	775630	6623220	Artefact Scatter	7 Artefacts over 10m*5m area 15m from creek comprising scrapers and flakes
42	775640	6623140	Artefact Scatter	2 Artefacts 5m apart comprising flakes 15m from creek
43	775080	6620610	Open Camp Site	3 fireplaces in washout beside road 40m from drainage line
<i>Narrabri Coal Mine Stage 2 Assessment (Longwall Panels 8 to 26)</i>				
44	774191	6623362	Isolated Artefact	1 silcrete flake, 60m from creek
45	774225	6623326	Isolated Artefact	1 mudstone flake, 60m from creek
46	774223	6623302	Isolated Artefact	1 mudstone flake, 70m from creek
47	774254	6623273	Artefact Scatter	2 artefacts 3m apart - all flakes, 30m from creek
48	774286	6623232	Artefact Scatter	3 artefacts in 3m*3m area - all flakes, 40m from creek
49	774321	6623231	Artefact Scatter	5 artefacts in 10m*5m area - all flakes, 30m from creek
50	774341	6623233	Artefact Scatter	3 artefacts in and beside gully - all flakes, 20m from creek
51	773932	6623550	Artefact Scatter	3 artefacts in 10m*5m area - all flakes, dam wall
52	773960	6623535	Artefact Scatter	2 artefacts 2m apart - all flakes, dam wall
53	773936	6623490	Artefact Scatter	6 artefacts in 20m*5m area, dam wall, includes flakes and core
54	774187	6623206	Artefact Scatter	2 artefacts 5m apart - all flakes, dam wall
55	776560	6620006	Artefact Scatter	2 artefacts 15m apart, 30m from creek, includes flakes and core
56	776590	6620043	Artefact Scatter	2 artefacts 15m apart, 25m from creek, includes flake and core
57	776708	6620248	Isolated Artefact	1 metasedimentary flake, 20m from creek
58	776558	6620297	Artefact Scatter	4 artefacts in 15m*15m area, 15m from creek, includes flakes and core
59	776571	6620401	Artefact Scatter	6 artefacts in 20m*15m area, 25m from creek, includes cores and flakes
60	776584	6620427	Artefact Scatter	4 artefacts in 30m*3m area, 20m from creek, includes core, flakes and potential hammer stone
61	776529	6620088	Artefact Scatter	7 artefacts in 20m*15m area, 20m from creek, includes cores and flakes



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Site No.	Easting	Northing	Type	Comments
62	776503	6620048	Artefact Scatter	3 artefacts in 20m*5m area, 15m from creek, includes cores and flake
63	776430	6619968	Artefact Scatter	7 artefacts in 30m*5m area - all flakes, 15m from creek
64	776419	6619946	Isolated Artefact	1 metasedimentary flake, 15m from creek
65	776354	6619896	Artefact Scatter	2 artefacts 2m apart - all flakes, 50m from creek
66	776046	6619560	Artefact Scatter	4 artefacts in 20m*20m area - all flakes, 100m from creek
67	776269	6619975	Artefact Scatter	2 artefacts 15m apart - all flakes, 200m from creek (top of knoll)
68*	775946	6620079	Isolated Artefact	1 metasedimentary flake piece, dam wall
69	776353	6619843	Artefact Scatter	3 artefacts in 15m*2m strip - all flakes, edge of paddock
70	776393	6619862	Artefact Scatter	4 artefacts - all flakes, edge of dam
71	776453	6619769	Artefact Scatter	2 artefacts 3m apart - all flakes, edge of dam
72	776174	6619651	Artefact Scatter	9 artefacts - all flakes, 70m from creek
73	776111	6619633	Isolated Artefact	1 chert flake, 100m from creek
74	776035	6619560	Artefact Scatter	2 artefacts 5m apart - all flakes, 100m from creek
75	776054	6619757	Artefact Scatter	3 artefacts 5m*3m area - all flakes, 50m from creek
76	776129	6619772	Artefact Scatter	2 artefacts 10m apart - all flakes, 60m from creek
77	776069	6619787	Isolated Artefact	1 chert flake, 80m from creek
78	776021	6619792	Artefact Scatter	3 artefacts in 15m*10m area - all flakes, 100m from creek
79	776219	6619775	Isolated Artefact	1 chert flake, 50m from creek
80	776210	6619810	Artefact Scatter	5 artefacts along 15m narrow track - all flakes, 80m from creek
81	774687	6619444	Isolated Artefact	1 metasedimentary flake, 30m from creek
82	774400	6619174	Artefact Scatter	9 artefacts in 30m*20m area - all flakes, 30m from creek
83	774312	6619099	Artefact Scatter	7 artefacts in 30m*20m area - all flakes, 30m from creek
84	774282	6619053	Artefact Scatter	5 artefacts in 10m*5m area - all flakes, 40m from creek
85	774250	6619003	Artefact Scatter	3 artefacts in 10m*5m area, 30m from creek, flakes and core
86	774230	6618998	Artefact Scatter	2 artefacts 5m apart comprising flakes 20m from creek
87	774166	6618811	Isolated Artefact	1 flake piece, 40m from drainage line
88	773570	6618800	Artefact Scatter	2 artefacts 10m apart - all flakes, 20m from creek
89	773971	6619030	Isolated Artefact	1 metasedimentary flake, 25m from creek
90	774221	6619181	Artefact Scatter	5 artefacts in 40m*3m strip, inner dam face, includes cores and flakes



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Site No.	Easting	Northing	Type	Comments
91	774975	6619298	Artefact Scatter	2 artefacts 10m apart, 40m from creek, includes core and flake
92	774954	6619212	Isolated Artefact	1 metasedimentary flake, 75m from creek
93	774958	6619354	Artefact Scatter	2 artefacts in 40m*3m strip - all flakes, inner dam face
94	774955	6619330	Artefact Scatter	6 artefacts in 25m*25m area - all flakes, 30m from creek
95	774977	6619291	Artefact Scatter	7 artefacts in 20m*20m area, 40m from creek, includes flakes and cores
96	774877	6619178	Artefact Scatter	3 artefacts in 15m*15m area, inner dam face, includes flakes and core
97	774783	6619064	Isolated Artefact	1 metasedimentary flake, 20m from creek
98	774742	6618977	Artefact Scatter	2 artefacts 10m apart, 40m from creek, includes core and flake
99	774697	6618941	Artefact Scatter	2 artefacts 15m apart, 40m from creek, includes core and flake
100	774878	6619099	Artefact Scatter	4 artefacts in 15m*15m area - all flakes, 20m from creek
101	774980	6619194	Isolated Artefact	1 quartz flake, 30m from creek
102	775044	6619434	Artefact Scatter	3 artefacts in 20m*20m area - all flakes, 50m from creek
103	775195	6617782	Artefact Scatter	3 artefacts in 30m*30m area - all cores, 80m from creek
104	775220	6617682	Artefact Scatter	3 artefacts in 30m*30m area, 150m from creek, included cores and flake
105	775233	6618102	Artefact Scatter	2 artefacts in 20m*20m area - all flakes, 150m from creek
106	775007	6616792	Artefact Scatter	3 artefacts in 40m*15m strip - all flakes, 30m from creek
107	775020	6616744	Artefact Scatter	34 artefacts in 40m*40m area, 150m from creek, included flakes and cores
108	775185	6616760	Artefact Scatter	12 artefacts in 40m*20m area, 40m from creek, included flakes and cores
109	775089	6616834	Artefact Scatter	4 artefacts in 40m of track, included flakes and core
110	775119	6616801	Artefact Scatter	3 artefacts in 10m*10m area, 150m from creek, chert and metasedimentary
111	775217	6616803	Artefact Scatter	36 artefacts in 40m*20m area, 60, from creek, metasedimentary horseshoe core
112	775248	6616821	Artefact Scatter	50+ artefacts in track, 1-30m track across creek, includes Chert Bondi Point
<i>Narrabri Coal Mine Stage 2 Assessment (Brine Storage Area)</i>				
113	779082	6620856	Artefact Scatter	3 artefacts in 10m*10m area - all flakes, 140m from creek
114	779193	6620847	Artefact Scatter	5 artefacts in 20m*20m area 100m from creek, including flakes and cores
115	779096	6621008	Isolated Artefact	1 metasedimentary flake, 200m from



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Site No.	Easting	Northing	Type	Comments
				creek
116	779220	6621024	Artefact Scatter	2 artefacts in 10m*10m area - all flakes, 200m from creek
117	779002	6620852	Isolated Artefact	1 chert flake piece 100m from creek
118	778892	6620972	Artefact Scatter	3 artefacts 120m from creek, flakes and igneous 'chopper'
119	778845	6621031	Artefact Scatter	3 artefacts in 10m*10m area - all flakes, 220m from creek
120	778757	6621065	Isolated Artefact	1 metasedimentary flake, 230m from creek
121	778646	6621082	Artefact Scatter	5 artefacts in 30m*20m area 200m from creek, including flakes and cores

Source: Modified from AASC (2007), ASR (2009) and Landskape (2010). * - subsequent survey has located Site 68 approximately 500 metres from the listed position, prior to ground disturbance in this area, Site 68 will be re-surveyed to confirm location.



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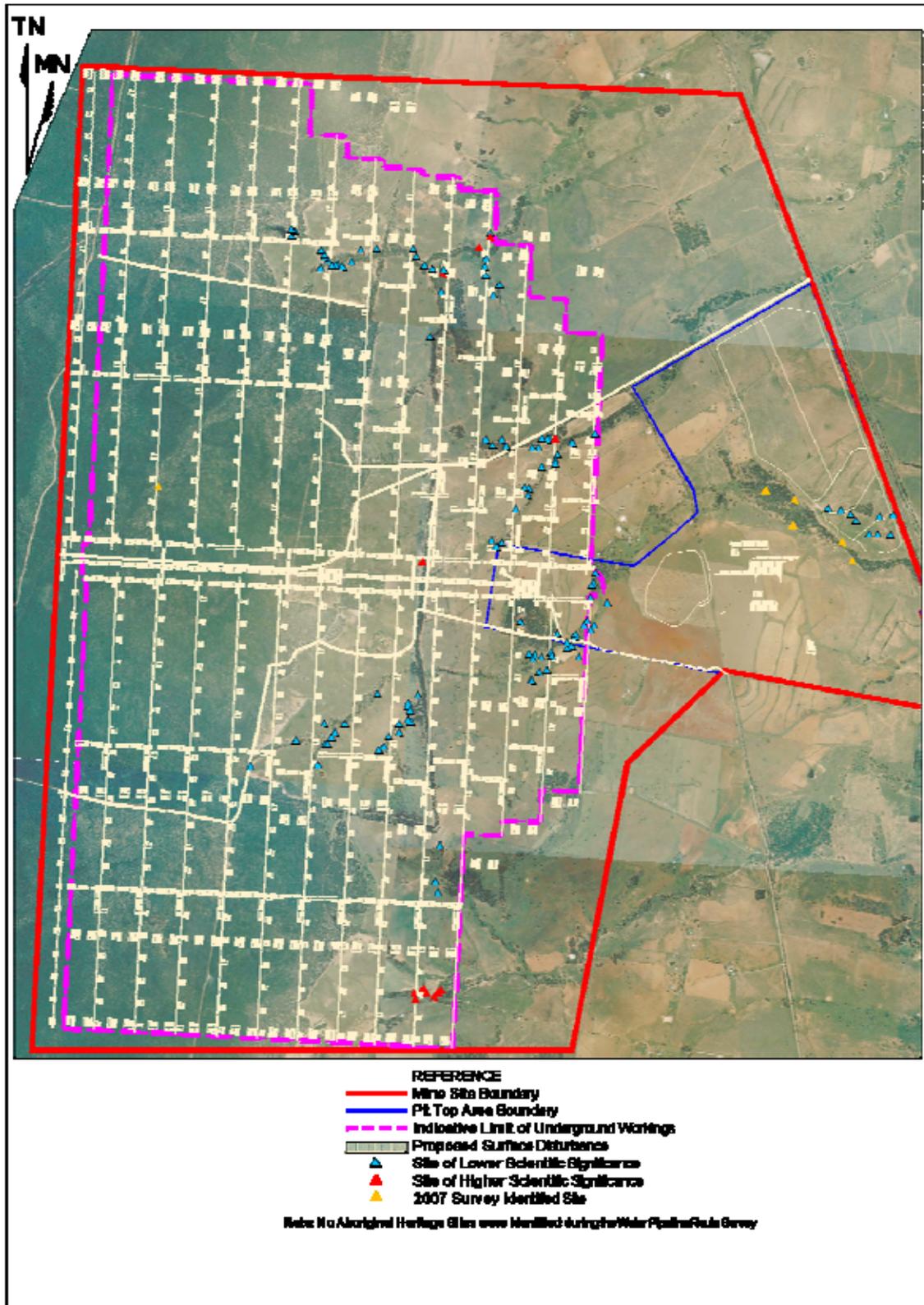


Figure 2 Identified Aboriginal Cultural Heritage Sites



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A more detailed description of the sites is provided in the Aboriginal Heritage Assessments prepared for the Stage 1 and 2 projects. It is noted that each of the sites has been recorded on site recording cards that will be forwarded to OEHL in accordance with Section 91 of the *National Parks and Wildlife Conservation Act 1974*. In addition, the area above Longwall Panels 8 to 26, although incorporated in the Stage 2 survey, is subject to further detailed survey as the mining operations progress (refer to **Section 3.1.2.2**).

3 **CONSERVATION PROGRAM**

Narrabri Mine recognises the importance of Aboriginal relics and sites to the traditional owner members of the Narrabri LALC and the Gomeroi Narrabri People and its obligations under the *National Parks and Wildlife Act 1974 (as amended)*, and will undertake all activities in a manner which conserves the cultural heritage values of the mine site.

Central to the satisfaction of this commitment will be the continuation of an open and honest relationship between Narrabri Mine management and the Narrabri LALC and Gomeroi Narrabri People, regular consultation with both groups and an involvement with community members.

The conservation program has been prepared principally based upon the recommendations of the Stage 1 Aboriginal Heritage Assessment (AASC, 2007), Stage 2 Aboriginal Heritage Assessment (ASR, 2009) and consultation with the Narrabri LALC and Gomeroi Narrabri People.

3.1 **Site Protection**

3.1.1 **Stage 1 Site Protection**

5 of the 7 Aboriginal sites identified as part of the Aboriginal Heritage Assessment for the Stage 1 project have been pegged and fenced to avoid impacts. Signs have also been used to identify the fenced area as an area containing cultural heritage values. Site 6 could not be identified/found during subsequent survey efforts and therefore could not be salvaged or fenced, and Site 7 has not yet been fenced or identified due to its locality at the western end of the lease. Identification and fencing of Site 7 will be undertaken in advance of any disturbance in that location. All 7 sites are identified on plans maintained within the administrative office of the mine site as well as in plans for the Annual Review (AR).

Management protocols for sites within the Kurrajong Creek Tributary adjacent to the Pit Top Area include fencing of the creek itself, as well as a program of rehabilitation within the creek zone by additional plantings of native vegetation as part of the long term rehabilitation strategy for the mine site. Any such plantings will be undertaken in consultation with the Gomeroi Narrabri People and the Narrabri LALC to achieve the most suitable plantings which will provide added benefit in addressing erosion issues of Kurrajong Creek, and therefore, long term protection of Aboriginal heritage items within the creek zone.



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3.1.2 Stage 2 Site Protection

3.1.2.1 Longwall Panels 1 to 3

Identified sites occurring above Longwall Panels 1 to 3 are protected by fencing to prevent any inadvertent or accidental damage and no surface disturbance works within the fenced area will be permitted. The boundaries of these sites were determined in consultation with the representatives of the local Aboriginal community. Any disturbance activities will be designed to provide a 10m buffer from the site fencing.

3.1.2.2 Sites 10, 19, 38, 39 and 106 – 112

Sites 10, 19, 38, 39 and 106 – 112 were identified as being of higher significance in the heritage survey by the local Aboriginal representatives. As a consequence, sites 10, 19, 38 and 39 have been fenced to protect them from inadvertent or accidental damage from vehicular traffic. The boundaries of these sites were determined in consultation with the representatives of the local Aboriginal community. Any disturbance activities will be designed to provide a 10m buffer from the site fencing. Sites 106 – 112 will be fenced and sign posted, as outlined below, prior to mining activities being undertaken in the southern portion of the mining lease (i.e. prior to mining Longwall Panels 14 to 26). The boundaries of fencing will also be determined in consultation with representatives of the local Aboriginal community.

While fenced, the sites will have signage identifying the fenced area as 'Environmental Protection Zones' to avoid damage to the sites that might otherwise occur if they were described as Indigenous or Culturally Sensitive Areas.

3.1.2.3 Longwall Panels 4 to 7

Identified sites occurring above Longwall Panels 4 to 7 will be avoided where practicable, but sites may be disturbed during the construction of gas drainage infrastructure and/or access tracks to these locations. A 'Permit to Disturb' procedure has been developed to ensure that proposed surface disturbance works are cross referenced with the identified sites prior to works commencing. Although every effort will be made to avoid identified sites, in the interest of mine safety, there may be limited scope to relocate gas drainage boreholes. As such, if a site cannot be avoided, the salvage of the impacted site(s), which requires the approval of the Director-General, will be managed as outlined in **Section 3.5**.

3.1.2.4 Longwall Panels 8 to 26

Longwall Panels 8 to 26, although surveyed as part of the Stage 2 EA process, will be subject to a detailed archaeological investigation prior to proceeding with the development of surface infrastructure, no later than 12 months prior to the completion of mining Longwall 7. This additional survey will be undertaken in consultation with the registered Aboriginal stakeholders and will include the area to be disturbed over the ensuing 7 years.

Sites determined to be of high significance as agreed between Narrabri Mine, the registered Aboriginal stakeholders and an archaeologist, will be identified and protected through fencing and signage prior to any surface disturbance works. If a site is identified but cannot



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be avoided, it will be subject to the salvage procedure, which requires the approval of the Director-General, outlined in **Section 3.5**.

3.1.2.5 Brine Storage Area

Although the construction of the Brine Storage Area will result in impacts to only 6 of the identified 9 sites, based on the recommendations of the Aboriginal Heritage Assessment and subsequent agreement by the registered Aboriginal stakeholders (refer to Appendix vi of the Aboriginal Heritage Assessment (ASR, 2009)), Narrabri Mine will salvage all 9 sites prior to commencing work within the Brine Storage Area. The salvage, which requires the approval of the Director-General, will be undertaken in accordance with the procedure outlined in **Section 3.5**.

3.2 Workforce Education

Prior to any person undertaking work on the mine site, they will undergo Cultural Awareness training as provided in the general mine site induction. Any person undertaking soil disturbance work will do so in accordance with the 'Permit to Disturb' procedure.

A copy of the type of information that will be included in the Cultural Awareness training, as part of the induction program is provided in **Appendix 2** and includes the procedures to be adopted in the event of a discovery of a potential site or artefact.

3.3 Management of Other Aboriginal Sites

As the Narrabri Mine comprises an underground operation, the potential for impacts on other sites not identified in the site survey is very small, particularly given the history of disturbance in the area from agricultural activities.

In areas where there is a low potential for archaeological material and the disturbance footprint is considered minor, e.g. soil stripping for drill pads in areas previously cleared for agriculture and >100 meters from a drainage line, Narrabri Mine will undertake these works without the presence of site monitors. In areas other than those outlined above, Narrabri Mine will invite a representative member of the Narrabri LALC and representative member of the Gomeroi Narrabri People to monitor areas subject to soil stripping activities throughout the life of the mine.

In the event of the discovery of a potential site or artefact, the following procedure will be followed.

1. Work will cease in the area of discovery.
2. If the area of discovery is in deposited material, then work will also cease in the area where the material originated from.
3. The person discovering the artefact will notify their superior who will ensure that work has ceased and area(s) is(are) cordoned off with tape.
4. The supervisor will notify the Mine Manager or senior Narrabri Mine person on site.
5. The Mine Manager will:



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- (a) request a qualified archaeologist to attend the site and advise on its archaeological significance;
 - (b) request the site monitor from the Narrabri LALC and the Gomeroi Narrabri People if not already present to attend and advise on its cultural significance in consultation with the qualified archaeologist; and
 - (c) if the find is determined to be a site, notify the OEHL with the advice from the archaeologist and the Narrabri LALC and Gomeroi Narrabri People for determination of further procedures.
6. If the find is confirmed as a site, the archaeologist will complete a Sites Register Card and forward to the OEHL for inclusion on the Aboriginal Heritage Information management System (AHIMS) database.
 7. Subject to the recommendations of the archaeologist, the Narrabri LALC and Gomeroi Narrabri People, the appropriate permit to transfer (under Section 85A of the *National Parks and Wildlife Act 1974* (NPW Act)) will be applied for prior to further work being undertaken in the vicinity of the site. Any such action to disturb or transfer Aboriginal items will also require the development of excavation and/or salvage plans, which require the approval of the Director-General, in consultation with OEHL.
 8. The Mine Manager will implement any other procedures or recommendations issued by the OEHL.

In addition to the procedure outlined above, any trees identified as having a culturally made scar(s) will be retained *in situ*. Where this is not possible, the tree will be cut down to preserve the scar and relocated to a designated protected area in consultation with the Aboriginal stakeholders and archaeologist.

Should any bone(s) be uncovered by mining staff or subcontractors working on the mine site, work should cease immediately in the area of the find, a suitably qualified person should be contacted to clearly identify the bone(s). If the bone(s) cannot be identified as animal bones, the police and Aboriginal stakeholder representatives will be advised of the discovery. Work will not recommence until both the police and the representatives of the Aboriginal community have given their permission to do so.

Failure to report a discovery and those responsible for the damage or destruction occasioned by unauthorised removal or alteration to a site or to archaeological material may be prosecuted under the NPW Act (as amended).

3.3.1.1 Subsidence

The Aboriginal Heritage Assessment undertaken for the Stage 2 project included an assessment of the likely impacts of subsidence on the site types identified at the mine site, i.e. one scarred tree, one axe-grinding groove site, one fireplace (subject to scientific excavation if impacted) and 40 stone artefact scatters.

The assessment found that the scarred tree has the potential to be impacted by changed drainage patterns and subsequent erosion (i.e. undermining). However, this was not considered likely to occur for the one identified scarred tree as it was assessed as being a



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healthy, living tree with a deep root system, which could resist undermining by erosion if it were to occur.

The axe-grinding grooves were identified on sandstone floaters that would only be subject to impacts from vertical displacement of the floaters, which would have no impact on the axe-grinding grooves.

The assessment also found that as the artefacts identified occur on degrading surfaces, it is reasonable to assume that most of the artefacts have been displaced as a result of previous land use activities and erosion. The potential impacts from subsidence on artefact scatters and isolated artefacts relate to the vertical displacement of artefacts and the potential for subsidence to accelerate or decelerate the already occurring horizontal displacement. Based on this, the assessment concluded that the impact of subsidence is likely to be minimal.

If subsidence results in the identification of a potential site or artefact, the procedure outlined in **Section 3.3** will be followed.

Should subsidence result in impacts to the sites outlined above, the contingency plan outlined in **Section 3.4** will be followed.

3.4 Contingency Plan

In the event that inadvertent damage occurs to any Aboriginal site or place within the mine site, the activities causing the damage will cease immediately and procedures identified in **Section 3.3** followed. The Mine Manager will then implement any procedures or recommendations issued by the OEH. Subject to the recommendations of the archaeologist and the Narrabri LALC and Gomeroi Narrabri People, this may include the development of excavation and/or salvage plans, which require the approval of the Director-General, for the Aboriginal items and/or the transfer of any artefacts under s85A of the NPW Act.

3.5 Site Salvage Procedure

In the event that identified sites cannot be avoided the following site salvage procedure will be followed:

1. Seek the written approval of the Director-General of the Department of Planning and Infrastructure (DP&I) prior to commencing any salvaging works;
2. Peg the location of the site to be salvaged;
3. Commission an archaeologist and invite representatives from the Narrabri LALC and the Gomeroi Narrabri People to salvage the artefacts by hand collection or excavation;
4. Commission an archaeologist to undertake a full analysis of the salvaged material, which will require the archaeologist to take the salvaged material to a location with the facilities and equipment to undertake the full analysis;



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5. Return the analysed salvage material to the authorised Aboriginal organisation within 21 days of the salvage;
6. Place the salvaged material in the care and control of the Aboriginal organisation agreed by Narrabri LALC and Gomeroi Narrabri People (Narrabri Mine, if required, has agreed to provide a 'keeping place' within the Pit Top Area until such time as a suitable location is identified and agreed to by the Narrabri LALC and Gomeroi Narrabri People);
7. Commission the preparation of a 'Salvage Report', which will include descriptions of the salvaged material and an interpretation of the archaeological record within the area subject to salvage; and
8. Provide copies of the Salvage Report to Narrabri LALC, Gomeroi Narrabri People and the OEH within 3 months of completing the salvage.

4 CONSULTATION, MONITORING AND REPORTING

4.1 Consultation Protocol

Subject to any modifications initiated by the Narrabri LALC and Gomeroi Narrabri People, the following protocol will be followed with respect to ongoing consultation.

- (i) Prior to any topsoil stripping, excluding the areas identified in **Section 3.3**, the Mine Manager, or authorised delegate, will notify the respective Managers of the Narrabri LALC and Gomeroi Narrabri People or, if so directed by the respective Manager, the nominated Sites Officer, advising of the extent, location, timing and expected duration of the planned campaign and inviting a representative of the Narrabri Gomeroi People and Narrabri LALC to monitor the topsoil stripping activities.
- (ii) At the request of the Site Monitor or Manager of the Narrabri LALC and/or Gomeroi Narrabri People, the Mine Manager, or authorised delegate, will avail himself/herself to attend community meetings of the Narrabri LALC and/or Gomeroi Narrabri People or to arrange site visits for interested Narrabri LALC members and/or Gomeroi Narrabri People.
- (iii) In the event that any possible archaeological sites are identified in the absence of the Site Monitor, the Mine Manager, or authorised delegate, will notify the Manager and/or member of staff of the Narrabri LALC and Gomeroi Narrabri People following the initiation of the procedures identified in **Section 3.3**.
- (iv) In the event that any changes are proposed to the Aboriginal Cultural Heritage Management Plan, or modifications are proposed to approved activities that may have impacts on items of cultural heritage significance, the Mine Manager, or authorised delegate will notify the Narrabri LALC and Gomeroi Narrabri People for consideration and comment.

The effectiveness and value of the consultation process will be periodically reviewed with the Narrabri LALC and the Gomeroi Narrabri People, including rehabilitation and



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revegetation of the mine site. In the event there is an agreement that the approach to consultation needs to change, the changed procedures would be documented and a copy forwarded to the Director-General and recorded in the relevant AR.

Ongoing consultation with the OEH will include reviewing this ACHMP, including any subsequent revisions, site monitoring reports and the AR.

4.2 Monitoring and Reporting

Monitoring undertaken by representatives of the Narrabri LALC and Gomeroi Narrabri People will be documented. In the event that an Aboriginal artefact or site is identified, and in accordance with the procedure documented in **Section 3.3**, a site register card will be completed and forwarded to the OEH for entry onto the AHIMS database.

In addition, the results of monitoring undertaken on the mine site will be summarised in each relevant AR, with the local Aboriginal community kept informed as to developments by virtue of the ongoing consultation with the Narrabri LALC and Gomeroi Narrabri People. Narrabri Mine will report annually in the AR on the measures implemented to preserve and protect Aboriginal cultural heritage.

5 ROLES, RESPONSIBILITIES AND REVIEW TIMEFRAMES

5.1 Roles and Responsibilities

During the operational phases of the development, the Narrabri Coal Mine will be managed by the General Manager who will have overall responsibility for ensuring contractors, employees and service providers comply with all laws, regulations, licences, approvals and conditions of the project approval. **Table 2** outlines the roles and responsibilities subject of this ACHMP.

Table 2: Roles and Responsibilities

Role	Responsibility
General manager	Provide the resources necessary to implement this ACHMP
Environmental Officer	Implementing this ACHMP on a day to day basis in consultation with the Aboriginal Stakeholder Representatives. ACHMP review.
Aboriginal Stakeholder Representatives	Provide expertise in the management of Aboriginal cultural heritage objects and/or places.
Archaeologist(s)	Provide expertise in the management of the archaeological values of Aboriginal cultural heritage objects and/or places.



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All significant contractors will be required to undertake an environmental risk assessment and undertake site induction training prior to commencing works on site. At this time they will also be instructed in the environmental standards, procedures and processes applicable whilst they are on the site.

5.2 Document Review and Continuous Improvement

This document will be reviewed at least every two years and following any significant changes (i.e. changes to consent/licence requirements or monitoring protocol). Each review will be undertaken in consultation with relevant stakeholders and will be submitted to the Director-General for approval.

Narrabri Mine will investigate and implement ways to improve the environmental performance of the project over time. This will be achieved by keeping abreast of best practice in the industry for cultural heritage management and controls and reporting on outcomes of surveys and monitoring annually in the AR.

5.3 Compliance with Statutory Requirements and Complaints Management

5.3.1 Compliance

To ensure compliance with the requirements of the NPW Act, EP&A Act and the conditions of PA 08_0144, the following measures will be implemented:

- Continue to include information relating to Aboriginal cultural heritage in inductions for all site personnel (refer to **Section 3.2**);
- Identify sites on plans kept in the Administration building for ease of access;
- Continue to implement the 'Permit to Disturb' procedure, which includes cross referencing proposed disturbance areas and recorded Aboriginal sites;
- Sites determined to be of high significance as agreed between Narrabri Mine, the registered Aboriginal stakeholders and an archaeologist will be pegged, fenced and identified as an 'Environmental Protection Zone';
- Undertake all salvage works, which requires the approval of the Director-General, in accordance with requirements of PA 08_0144, as outlined in **Section 3.5**;
- Undertake all consultation as outlined in **Section 4.1**; and
- Undertake regular reviews of this ACHMP as outlined in **Section 5.2**.

5.3.2 Complaints Management

A complaints management protocol has been developed to ensure an appropriate and consistent level of reporting, response and follow-up is adopted by Narrabri Mine. The



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following complaints management protocol will be followed on all complaints received relating to Aboriginal cultural heritage:

- A publicly advertised telephone complaints line will be in place to receive complaints during operating hours and record complaints at other times.
- Each complaint received will be recorded on a Complaints Register, which will include the following details:
 - The date and time of complaint.
 - Any personal details the complainant wishes to provide or if no such details are provided a note to that effect.
 - The nature of the complaint.
 - The action taken by Narrabri Mine in relation to the complaint, including any follow-up contact with the complainant.
 - If no action was taken by Narrabri Mine, the reason why no action was taken.
- The Environmental Manager will be responsible for ensuring that an initial response is provided within 24 hours of receipt of a complaint (except in the event of complaints recorded when the mine is not operational).
- The cause of the complaint and any required remedial actions identified.
- Additional measures will be undertaken as required to address the complaint.
- Once the identified measures are undertaken, the Environmental Manager will sign off on the relevant complaint within the Complaints Register.
- If necessary, follow-up monitoring will take place to confirm the source of the complaint is adequately mitigated.
- A copy of the Complaints Register will be kept by Narrabri Mine and made available to the CCC and the complainant (on request). A summary of complaints received every 12 months will be provided to DP&I, NSC, OEH, DPI and the CCC through the AR.

Based on the nature of individual complaints, specific contingency measures may be implemented to the (reasonable) satisfaction of the complainant. The Environmental Manager retains ultimate responsibility to ensure that complaints received are properly recorded and addressed appropriately.

6 REFERENCES

Archaeological Surveys and Reports Pty Ltd (ASR), 2009, *Aboriginal Heritage Assessment of the Narrabri Coal Mine – Stage 2 Longwall Project*, Prepared on behalf of Narrabri Coal Operations Pty Ltd (Part 5 of the Specialist Consultant Studies Compendium).



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**WHC_PLN_NAR_ABORIGINAL CULTURAL HERITAGE MANAGEMENT
PLAN**

Appendix 1

Record of Consultation between Narrabri Mine and Narrabri
LALC, Gomeroi Narrabri People and OEH

(No. of pages excluding this page = 2)

Steven Farrar

Subject: FW: Aboriginal Cultural Heritage Management Plan - Narrabri Mine
Attachments: WHC_PLN_NAR_Stage 2_ACHMP Final Draft.pdf

From: Danny Young
Sent: Wednesday, 6 April 2011 12:36 PM
To: 'Craig.Trindall@environment.nsw.gov.au'; 'narrabrilalc@bigpond.com'
Subject: Aboriginal Cultural Heritage Management Plan - Narrabri Mine

Hi Craig and Lynn

As you would be aware, Narrabri Coal received Project Approval to its application to convert to a Longwall operation in July 2010. The project approval granted by the Department of Planning included a conditional requirement as follows:-

“The Proponent shall revise the Aboriginal Cultural Heritage Management Plan for the Stage 1 project to encompass all proposed mine activities and potential impacts associated with Aboriginal Cultural Heritage Management for the site (Stages 1 and 2) and subsequently implement this revised version of the Aboriginal Cultural Heritage Management Plan to the satisfaction of the Director General. The plan must:

- (a) be submitted to the Director General by 30 June 2011;
- (b) be prepared in consultation with the DECCW, the Narrabri Local Aboriginal Land Council and the Narrabri Gomeroi Aboriginal Corporation;
- (c) include a protocol for the ongoing consultation and involvement of Aboriginal communities in the conservation and management of Aboriginal heritage on site; and
- (d) describe the measures that would be implemented to protect Aboriginal sites on the mine site, (in particular all known Aboriginal sites on lands overlying Longwalls 1-3 and sites 10b, 38, 39 and 106-112), or any new Aboriginal objects or skeletal remains that are identified during the project.”

In accordance with this conditional requirement, we have prepared a draft management plan attached herewith for your review and comment. Given the final plan needs to be lodged with the Department of Planning by 30 June 2011 we would seek to have a meeting with you both to discuss the plan at the earliest opportunity. At this stage, we would be available for a meeting next Thursday afternoon 14th April. If this time is not convenient, we would look to a meeting in early May. If you could advise your availability on this that will be appreciated.

Should you require a hard copy version of the plan please advise the best address to forward a hard copy.

Regards

Danny Young
Group Environmental Manager

Whitehaven Coal Limited
PO Box 600, Gunnedah NSW 2380
Tel: +61 2 67419316 **Mobile:** +61 0427497710
Email: dyoung@whitehavencoal.com.au www.whitehavencoal.com.au



Steven Farrar

From: Turnbull Kharl [Kharl.Turnbull@environment.nsw.gov.au]
Sent: Thursday, 29 September 2011 3:00 PM
To: Steven Farrar
Cc: OHern Robert
Subject: Narrabri Mine Stage 2 Development Consent

Hi Steven

As just discussed, thank you for forwarding the following Management Plans for our records:

- Narrabri Mine Stage 2 Energy Savings Action Plan
- Narrabri Mine Stage 2 Landscape Management Plan
- Narrabri Mine Stage 2 Noise Management Plan
- Narrabri Mine Stage 2 Aboriginal Cultural Heritage Management Plan
- Narrabri Mine Stage 2 Air Quality Monitoring Plan
- Narrabri Mine Stage 2 Water Management Plan

The Office of Environment and Heritage (OEH) encourages the development of such plans to ensure that proponents have determined how they will meet their statutory obligations and designated environmental objectives. However, we do not approve or endorse these documents as our role is to set environmental objectives for environmental/conservation management, not to be directly involved in the development of strategies to achieve those objectives.

Should you have any further enquiries please do not hesitate to contact me.

Regards

Kharl Turnbull
Regional Programs Officer
Environment Protection and Regulation Group
Office of Environment and Heritage
Department of Premier and Cabinet
PO Box 494 (85 Faulkner St) | Armidale NSW 2350
Phone (02) 6773 7000 | Fax (02) 6772 2336

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Appendix 2

Cultural Heritage Site Education

(Example of type of information presented to staff and contractors on induction)

(No. of pages excluding this page = 5)

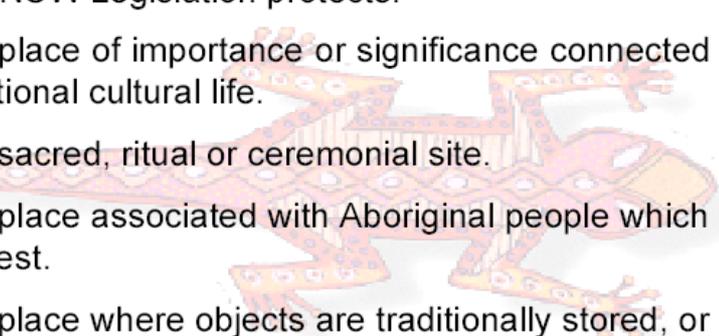
WHC_PLN_NAR_ ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Aboriginal Heritage

- *National Parks and Wildlife Act 1974 (NPW Act)*
- *Environmental Planning and Assessment Act 1979(EP&A)*
- *Heritage Act 1977*

The NSW Legislation protects:

- Any place of importance or significance connected with traditional cultural life.
- Any sacred, ritual or ceremonial site.
- Any place associated with Aboriginal people which is of interest.
- Any place where objects are traditionally stored, or have been taken or removed.



Aboriginal Heritage

These may include:

- Burial grounds
- Stone structures
- Symbols
- Arranged stones
- Objects
- Carved or scarred trees
- Paintings / Engravings



If you discover what appears to be something out of context that may be an Aboriginal artefact or site, you must stop work, cordon off the area and report it to your supervisor.



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**Aboriginal Heritage
Narrabri Mine**

Procedure if discovering a possible artefact or site.

1. Work will cease immediately in the area of discovery.
2. If the area of discovery is in deposited material, then work will also cease in the area where the material originated from.
3. The person discovering the artefact will notify their superior who will ensure that work has ceased and area(s) is (are) securely cordoned off with tape.
4. The supervisor will notify the Mine Manager or senior Narrabri Mine person on site.
5. The Mine Manager will:
 - a. request a qualified archaeologist to attend the site and advise on its archaeological significance;
 - b. request site monitors representing the Narrabri Local Aboriginal Land Council and Gomeroi Narrabri People, if not already present to attend and advise on its cultural significance in consultation with the qualified archaeologist; and
 - c. if the find is determined to be a site, notify the OEH with the advice from the archaeologist and the Narrabri Local Aboriginal Land Council and Gomeroi Narrabri Aboriginal Corporation for determination of further procedures.
6. The Mine Manager will implement any procedures or recommendations issued by the OEH.



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**Aboriginal Heritage
Narrabri Mine**

PLATE 1



Example of the Wild Orange which is noted as occurring at Site 1.

PLATE 2



Types of rock artefacts that exist within Site 2



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PLATE 3



Example of a scar tree as occurs at Sites 3 and 7

PLATE 4



Example of an artefact scatter as exists at Site 4



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PLATE 5



Example of a Chert Flake, as exists at Site 5