

Appendix vi

Aboriginal Stakeholder Recommendations

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Narrabri

96 Barwan Street
P.O. Box 37
NARRABRI NSW 2390
ABN: 76 035 946 562

Local Aboriginal Land Council

Phone: (02) 6792 4228
Fax: (02) 6792 4258
Mobile: 0439 924222
E-mail: narrabilalc@bigpond.com

Mr Brian Cullen
General Manager – Technical Services
Whitehaven Coal

10th August 2009

Dear Brian

RE: Stage Two Environmental Assessment

The Narrabri Coal Project is located approximately 30 kilometres south-southeast of Narrabri and 10 kilometres north-northwest of Baan Baa.

The plan has been prepared with input from the Narrabri Local Aboriginal Land Council the Gomeroi Narrabri People Native Title Claimant Group (“the Gomeroi Narrabri People”) and the Department of Environment and Climate Change (DECC) with the 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;
- Provide management strategies for those parts of the mine site not affected by mining or mining-related activities;
- Establish a consultation protocol with the Local Aboriginal Community;
- 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
- Establish a consultation protocol with the Narrabri Local Aboriginal Land Council and Gomeroi Narrabri People, who are representatives of the Local Aboriginal Community.

From the Narrabri Local Aboriginal Land Council perspective we are pleased with what has been completed with Stage 2 of the project.

We are happy to provide a report to your organisation which we are aware will be forwarded to other departments.

Throughout the process we wish to advise that we the Narrabri Local Aboriginal Land Council have been consulted with all aspects of Culture and Heritage and with the management of new sites that have been recorded with this project.

Narrabri Local Aboriginal Land Council also advises that we have been provided with the Indigenous Heritage (Statement of Commitment) and are pleased with the current outcomes. We have discussed issues relating to sites and are ensured that Narrabri Coal will put the best management practice into place.

We agree with the current desired outcomes of Stage 2 Panel 1 to 7.

If you require any further information please contact me on the above number.

Yours truly,

Lynn Trindall

Lynn Trindall
Chief Executive Officer
Narrabri Local Aboriginal Land Council

**Gomeri Narrabri
Aboriginal Corporation**

ICN: 7158

Mr Craig Trindall
Chair
Gomeri Narrabri Aboriginal
Corporation (GNAC)
29 Doyle Street
NARRABRI NSW 2390

10 September 2009

To Whom It May Concern:

Archaeological Surveys of Longwall Panels 1-7 and 8 – 26: Narrabri Coal Project

I write on behalf of the Gomeri Narrabri Aboriginal Corporation (GNAC) which represents the Traditional Owner's on the Narrabri area regarding our participation in the Archaeological Surveys of Longwall Panels 1 – 7 (undertaken in March/April 2009) and Longwall Panels 8 – 26 (undertaken in July 2009) of the Narrabri Coal Project.

Panels 1 – 7

In March/April 2009 members from both the GNAC and the Narrabri Local Aboriginal Land Council (NLALC) participated in a Cultural Heritage Assessment of Longwall Panels 1 – 7 lead by Mr John Appleton on behalf of R.W. Corkery & Co. Pty Limited. During this survey the team identified 43 sites of which 4 were deemed by the team to be of high significance.

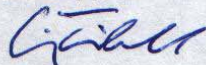
Both Aboriginal stakeholder groups have since participated in a meeting with Mr Appleton and Narrabri Coal representatives to discuss the future management of the sites that were identified during the survey of Panels 1 – 7. Further to this GNAC have had the opportunity to be engaged in discussions relating to the development Narrabri Coal's Statement of Commitments relating to the management of the sites identified during the Cultural Heritage Assessment and we support the contents within this document.

Panels 8 – 26

In July 2009 the same parties participated in a reconnaissance survey of Aboriginal sites over Panels 8 – 26. GNAC support the requirement for a more comprehensive Cultural Heritage Assessment of this area in the future (as noted in the Statement of Commitments) but believe that it need not be warranted in the immediate future given that Narrabri Coal have indicated that they will not be undertaking any mining activity in these Panels for at least 6-7 years. In saying this, Narrabri Coal have indicated to GNAC that they commit to engaging with GNAC representatives on a needs basis should there be any works planned within this area that require disturbance of the top-soil. This agreement is fine by us.

Should you wish to discuss this matter further I can be contacted on 0430 295 911.

Sincerely yours



Craig Trindall
Chair
Gomeri Narrabri Aboriginal Corporation

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Appendix vii

Results of the Search of the AHIMS Site Register

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Department of
**Environment
and Climate Change (NSW)**



Your reference : Narrabri
Our reference : AHIMS #23490

Archaeological Surveys and Reports
16 Curtis Street
Armidale NSW 2350

Wednesday, 10 September 2008

Attention: John Appleton

Dear Sir or Madam:

Re: AHIMS Search for the following area at Narrabri

I am writing in response to your recent inquiry in respect to Aboriginal objects and Aboriginal places registered with the NSW Department of Environment and Climate Change (DECC) at the above location.

A search of the DECC Aboriginal Heritage Information Management System (AHIMS) has shown that 1 Aboriginal objects and Aboriginal places are recorded in or near the above location. Please refer to the attached report for details.

The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.

The following qualifications apply to an AHIMS search:

- AHIMS only includes information on Aboriginal objects and Aboriginal places that have been provided to DECC;
- Large areas of New South Wales have not been the subject of systematic survey or recording of Aboriginal history. These areas may contain Aboriginal objects and other heritage values which are not recorded on AHIMS;
- Recordings are provided from a variety of sources and may be variable in their accuracy. When an AHIMS search identifies Aboriginal objects in or near the area it is recommended that the exact location of the Aboriginal object be determined by re-location on the ground; and
- The criteria used to search AHIMS are derived from the information provided by the client and DECC assumes that this information is accurate.

All Aboriginal places and Aboriginal objects are protected under the *National Parks and Wildlife Act 1974* (NPW Act) and it is an offence to destroy, damage or deface them without the prior consent of the DECC Director-General. An Aboriginal object is considered to be known if:

- It is registered on AHIMS;
- It is known to the Aboriginal community; or
- It is located during an investigation of the area conducted for a development application.

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43 Bridge Street Hurstville NSW 2220

Telephone (02) 9585 6345
Facsimile (02) 9585 6094

ABN 30 841 387 271
ahims@environment.nsw.gov.au
www.environment.nsw.gov.au

If you considering undertaking a development activity in the area subject to the AHIMS search, DECC would recommend that an Aboriginal Heritage Assessment be undertaken. You should consult with the relevant consent authority to determine the necessary assessment to accompany your development application.

Yours Sincerely



Freeburn, Sharlene
Administrator
Information Systems & Assessment Section
Culture & Heritage Division
Phone: (02) 9585 6471
Fax: (02) 9585 6094



List of Sites (List - Short)

Narrabri

Grid Reference Type = AGD (Australian Geodetic Datum), Zone = 55, Easting From = 768000, Easting to = 784000, Northing From = 6612000, Northing to = 6628000, Requestor like 1714%, Service ID = 23486, Feature Search Type = AHIMS Features

Site ID	Site Name	Datum	Zone	Easting	Northing	Context	Site Features	Site Types (recorded prior to June 2001)	Recording (Primary)	Reports (Catalogue Number)	State Arch. Box No (for office use only)
19-3-0019	Kalubabunda Wallah Waterholes	AGD	55	782634	6627210	Open Site	TRE : -	Scarred Tree	Brown	3554	NRS/17708/1/87
											Permit(s)

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Appendix viii

Site Types

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Site types associated with Indigenous activities and culture

The definitions that follow are for terms used in this report, and do not necessarily apply to their use in different contexts.

Art sites are defined as places where any medium has been applied to a rock surface either as symbols, characters, drawings, paintings, or any other rendition, recognisable as not being a natural discolouration or feature. They also include markings to a rock surface, either by engraving, abrading, or pecking, and which cannot be identified as being a natural feature.

Bora rings are circles of 2-30 metres diameter of compressed earth (from repeated treading or dancing), or stone arrangements, at which men performed initiation ceremonies, and are the most frequently recorded ceremonial sites. Sometimes they occur as two rings joined by a central track in a barbel configuration. They usually occur on level or low-lying country, which is usually the first topographical unit to be cultivated, or utilised for highways and roads, but they may also occur as circular stone arrangements on elevated rock platforms and hilltops. If they are or were present then they are usually either already known and have been recorded, or they have long since been destroyed.

Carved trees are readily recognised by even the untrained observer. The carving is incised either into the outer bark, or more commonly, into the living wood after removal of a section of the bark. The designs frequently consist of 'diamond cross-cuts', but may also consist of stylised animal motifs. Previously unrecorded carved trees are still discovered in relatively remote or inaccessible areas. Carved trees frequently occur near burial sites and/or Bora rings, but in some regions they may have been tribal boundary markers.

Fish traps may occur either in rivers or on seashores. They are recognisable as unnaturally formed stone arrangements that were constructed to trap fish (or eels or turtles) carried into the enclosure in deep water, and which are left stranded within the enclosure as the water level drops. The fish were then caught by nets, hand, or by spear.

Grinding grooves are usually observed on the surfaces of large sedimentary boulders or exposed shelves and outcrops of sedimentary rock along creek banks and beds, or near water. They have been produced by Aborigines using the rock surface to shape and sharpen the edges of stone to produce ground-edged axes, or to sharpen wooden spears (the latter tend to be narrow and deep). Water was used to lubricate the surface of the rock. The grooves frequently occur as linear abraded depressions in the rock, and may each be between 10 and 50 centimetres long, up to 15 centimetres wide, and 2 to 5 centimetres deep. Some sedimentary rock surfaces may exhibit shallow ground depressions of roughly round or elliptical shape, and these are more likely to be associated with seed grinding, root crushing, or other food preparation.

Middens may be identified variously as beach, lagoon, lacustrine, or estuarine, and are most likely to be observed at or above the water line where erosion, topsoil removal, or mining has exposed the shell. The size of the midden can vary enormously, with the smallest comprising a 'one off', "dinner-time camp" (Meehan. 1982), with as few as two or three shells, or a shallow lens of only a few centimetres. The largest middens may extend for many kilometres and may comprise of a number of lenses and layers of shell and ash up to several metres deep. These large middens may be evidence of continuous exploitation of the resource over many thousands of years. Middens of fresh water mussel shell may be found in eroding creek banks or in eroding terraces, particularly near both existing and defunct water holes.

Isolated shell or fragments may occur on any surface and in any situation. A single shell may have been discarded by a bird, but the presence of use-wear would indicate Aboriginal use of the shell as a tool, which was discarded after use. Such occurrence is likely to be where there is no immediate source of stone material suitable for tool manufacture.

Natural Mythological sites are places of significance to Aborigines, either because they are described in mythological stories or songlines, or because they were used in religious ceremonies. They

may occur anywhere and while some are more predictable than others – as for example, permanent water holes, waterfalls, rock promontories, etc., others may have no particularly remarkable features. Seldom is there any recognisable artefactual evidence or anything to distinguish it from similar features in the vicinity. These sites must of necessity be identified by Aboriginal people with an association with the place.

Open sites, campsites, knapping floors, scatters, and isolated artefacts, are most likely to occur on eroded and exposed creek banks, particularly where slope wash or stock trails has removed the humic layer, or on eroded ridges and spurs, particularly near the junctions in watercourses. Open sites are most likely to be present in greatest numbers near a source of either raw stone material, or potential food resources, or in a natural corridor between two differentially preferred environmental zones, or at the contact between two environmental zones containing different resources.

Artefacts in open scatters are likely to be manufactured from the dominant raw material available; i.e. Greywacke on greywacke-sourced soils, quartz on granite-sourced soils, silcrete and chert on relict sedimentary soils.

Artefact assemblages in open scatters are likely to consist predominantly of discard material, i.e., cores, flakes, flaked pieces, and debitage.

Artefacts exhibiting retouch scars and backing are most likely to occur in sites where secondary activity took place peripheral to the central camp site, although this is a generality and can only be observed where there is sufficient surface visibility to identify peripheral sites. Fragments of flakes with retouch or backing may occur on knapping floors indicating breakage occurring during manufacture, or maintenance areas in which damaged tools have been replaced and discarded.

Isolated artefacts are likely to be most frequently observed where the groundcover obscures all but the larger artefacts, such as cores, and large flakes, or where there is little contrast between the texture of artefactual material and the surface upon which it lies. Artefacts of materials contrasting with the matrix may be visible regardless of size; eg. quartz artefacts may be far more visible than much larger basalt artefacts against a background of dark humic terrace soils.

PADs or Potential Archaeological Deposits are deposits, usually in shelters (but they may also be identified where there are intact deposits in open areas), which although not containing any visible archaeological material, are considered likely to contain archaeological material below the surface. These 'sites' are not recorded as sites on the Aboriginal Site Register, but are identified as places that require subsurface testing to establish whether a site exists or not.

Rock shelters with art or occupation deposits, are most likely to occur where the character of the parent rock is sufficiently massive or consolidated for it to retain a structure that weathers differentially to form shelters and overhangs.

Scarred trees are perhaps the most difficult site type to determine as having been caused by deliberate removal of the bark by humans and not as a consequence of natural events; such as abrasion from falling trees or branches, natural branch attrition, fire damage, or contact from vehicles or stock. They may occur in places wherever there are tree species that produce bark suitable for tool and implement manufacture. While some scars are clearly the consequence of deliberate bark removal by Aborigines (either evidenced by stone axe marks, or identified by Knowledge Holders), some scars were made by settlers, and stockmen, and surveyors who frequently blazed trails and property boundaries by scarring the trees, and by timber men who removed a strip of bark to test the suitability of a tree for logging.

Other site types such as hearths, burials, etc., are less easily predicted, although burials are frequently associated with carved trees, and Bora rings, and hearths with campsites, shelters, and shell middens.

Appendix ix

Summary of Site Types Identified on the Mine Site and Water Pipeline Corridor

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SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
1	PINE CREEK T2/OS 1			(<10)															
	774377	6623222	5		MET														MET. SED. SCRAPER
					SIL														SILCRETE KNAPPING FLOOR
					CH														BONDI-LIKE BLADE (NO BACKING)
2	PINE CREEK T2/ISO 2			(1)															
	774458	6623260	5																
3	PINE CREEK T2/OS 2			(4)															
	774680	6623383	5																
																			INCL. MET. SED. SCRAPER
4	PINE CREEK T2/OS 3			(6)															
	774540	6623371	5		BAS														
																			INCL. BONDI POINT (NO BACKING)
																			GROUND-EDGED AXE
5	PINE CREEK T2/OS 4			(3)															
	775149	6622602	5	F	CH														
				F	CH														
				F	CH														SMALL TRIMMING FLAKES
6	PINE CREEK T2/OS 5			(3)															
	775246	6622999	5																
																			INCL. MET. SED. CORE
7	PINE CREEK T2/OS 6			(6)															
	775167	6623199	6																
																			INCL. 'HORSESHOE' CORE
8	PINE CREEK T2/ISO 2			(1)															
	775095	6623227	6	FP	CH														
9	PINE CREEK T2/ISO 3			(1)															
	774998	6623384	7	F	Q														
10a	PINE CREEK T2/OS 7			(2)															
	775270	6623187	8	F	CH														
				F	CH														
																			TRIMMING FLAKE

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northings	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
10b	PINE CREEK T2/AGG 1																		
	775260	6623157	8			54	8	3											3 AXE GRINDING GROOVES
						45	8	2											
						40	3	1											
11	PINE CREEK T1/OS 8			(11)															
	775666	6621606	7	9	CH														KNAPPING FLOOR
				F	CH														
				F	Q														
12	PINE CREEK T1/OS 9			(3)															
	775644	6621692	4	C	CH														
				C	CH														
				C	CH														
13	PINE CREEK T1/OS 10			(4)															
	775699	6621639	4	C	CH														
				F	MET														
				F	MET														
				F	MET														
14	PINE CREEK T1/ISO 4			(1)															
	775784	6621686	4	FP	CH														MODIFIED
15	PINE CREEK T1/OS 11			(2)															
	775818	6621628	7	C	CH														
				FP	CHAL														
16	PINE CREEK T1/OS 12			(7)															
	776134	6621697	6	F	MET														
				FP	CH														
17	PINE CREEK T1/ISO 5			(1)															
	776182	6621686	6	FP	CH														

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
18	PINE CREEK T1/OS 13			(4)															
	776198	6621700	4	C	CH														
				FP	CH														
				FP	CH														
19	PINE CREEK T1/OS 14			(18)															
	776253	6621704	6		CH														FLAKES AND FLAKED PIECES
					Q														FLAKED PIECES
				C	BAS														
20	PINE CREEK T1/ST 1																		
	776401	6621725	6																SCARRED TREE
21	PINE CREEK T1/ISO 6			(1)															
	776602	6621740	6	F	CH														
22	PINE CREEK T1/OS 15			(5)															
	776049	6621621	5	F	MET														
				F	MET														
				F	SIL														
23	PINE CREEK T1/OS 16			(3)															
	776104	6621622	5	FP	MET														POSSIBLE CORE
				F	CHAL														
24	PINE CREEK T1/OS 17			(2)															
	776126	6621445	5	C	CHAL														
				F	CH														
25	PINE CREEK T1/ISO 7			(1)															
	775982	6621267	5	F	CH														

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
26	PINE CREEK T1/ISO 8		4	(1)															
	776023	6621255		F	CH														
27	PINE CREEK T1/OS 18		5	(2)															
	776008	6621196		FP	CH														
				FP	CH														
28	PINE CREEK T1/ISO 9		4	(1)															
	775900	6621082		FP	CH														
29	PINE CREEK T1/ISO 10		4	(1)															
	775782	6620782		C	CH														CORE OR SCRAPER
30	PINE CREEK T1/OS 19		4	(2)															
	775690	6620800		F	CH														
				FP	CH														
31	PINE CREEK T1/OS 20			(3)															
	775730	6620744	5	C	CH														
				FP	CH														
				FP	CH														POSS. KNAPPING FLOOR
32	PINE CREEK T1/OS 21			(2)															
	776249	6621477	6	C	CH														
				F	CH														
33	PINE CREEK T1/OS 22			(2)															
	776254	6621514	5	F	CH														
				F	CH														
34	PINE CREEK T1/OS 23			(4)															
	776272	6621563	5	F	SIL														
				FP	CH														
				FP	AG														
				FP	CH														TRIMMING FLAKE

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
35	PINE CREEK T2/OS 24			(2)															
	775707	6622972	5	F	CHAL														
36																			
	PINE CREEK T2/ISO 11			(1)															
37	775756	6623057	5	F	CH														
	PINE CREEK T2/ISO 12			(1)															
38	775643	6623290	5	F	CH														
	PINE CREEK T2/OS 25			(13)															
	775581	6623390	5	F	Q														
				F	MET														
				F	MET														
				FP	CH														
				FP	CHAL														POSS. CORE
				F	CH														
				F	Q														
				F	Q														
39	PINE CREEK T2/OS 26			(100+)															
	775660	6623462	5		CH														NO CORES 60 X 25M AREA
					CHAL														
					Q														
					QZ														
					MET														
40	PINE CREEK T2/OS 27			(4)															
	775722	6623527	5	FP	MET														
				FP	MET														
				FP	MET														
				F	MET														
				F	MET														

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS			
41	PINE CREEK T2/OS 27			(7)																		
	775625	6623217	4	F	CH																	
				F	CH																	
				FP	MET															SCRAPER		
				FP	MET															SCRAPER		
42	PINE CREEK T2/OS 28																					
	775638	6623137	4	(2)																		
				F	CH																	
				F	CH																	
				F	CH																	
43	PINE CREEK T1/FP1																					
	775079	6620610																				

NOTE:
 THE ARTEFACTS IN THOSE SITES IN THE PANELS 1-7 SURVEY AREA THAT ARE SALVAGED WILL BE RECORDED IN DETAIL
 ALL OF THE ARTEFACTS IN SITES IN THE PANELS 8-26 SURVEY AREA WERE RECORDED IN DETAIL. AS THERE WILL BE
 NO IMPACT TO THE AREA FOR AT LEAST FIVE YEARS, DURING WHICH TIME THE ARTEFACTS MIGHT BECOME
 DISPLACED AND POSSIBLY LOST, THIS WAS AN OPPORTUNITY TO RECORD THEM BEFORE THE INFORMATION WAS LOST

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Easting	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
44	PINE CREEK ISO 44			(1)															
	774191	6623362	6	FP	SiL	30	20	16									40		
45	PINE CREEK ISO 45			(1)															
	774225	6623326	6	F	MUD	30	16	4	F	6	2				F		0	X	
46	PINE CREEK ISO 46			(1)															
	774223	6623302	4	F	MUD	32	13	4	BR	12	4		X		A	R	0		
47	PINE CREEK OS 47			(2)															
	774254	6623273	6	F	MUD/R	15	15	3	F	10	1	P					0		
48	PINE CREEK OS 48			(3)															
	774286	6623232	6	F	MUD/R	25	15	4	BR	7	4	P	X			R	20		
49	PINE CREEK OS 49			(5)															
	774321	6623231	5	F	JASP	46	20	8	F	15	7				F	R	25		POSSIBLE RETOUCH
50	PINE CREEK OS 50			(3)															
	774341	6623233	4	F	MUD/R	23	16	2	F	6	3				F		15		
51	PINE CREEK OS 51			(3)															
	773932	6623550	4	FP	BAS	60	56	20							F	R	0		STEEP-EDGED SCRAPER
				F	BAS	45	30	18	F	22	8		X		F	R	0		
				FP	MET	40	20	17									0		STEEP-EDGED SCRAPER

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
52	PINE CREEK OS 52			(2)															
	773960	6623535	5	F	Q	15	18	5	F	13	5				F		0		
				F	CH	35	35	4	F	12	4			X	F		0		RETOUCH L MARGIN
53	PINE CREEK OS 53			(6)															
	773936	6623490	5	F	OZ	26	12	7	BR	12	6	P				R	0		
				F	MET	24	18	6	F	11	5				F		0	X	
				F	MET	20	17	4	BR	5	3				F		0		
				C	PW	43	29	23										35	X
54	PINE CREEK OS 54			(2)															
	774187	6623206	4	F	MET	39	30	21	F	7	4				A		0	X	
				F	Q	28	25	10	F	20	8		X		F	R	F		
				(2)															
				C	MET	38	35	35									3NS	75	X
55	KURRAJONG T1/OS 55			(2)															
	776560	6620006	4	C	MET	60	30	25								2NS	90		SCRAPER, POSSIBLE CORE
				C	MET	60	30	25											
56	KURRAJONG T1/OS 56			(2)															
	776590	6620043	4	C	MET	38	25	8									0	X	RETOUCH, SCRAPER?
				F	IGN	25	13	3	F	6	2	P?		X		2 R	15		
57	KURRAJONG T1/OS 57			(1)															
	776708	6620248	4	F	MET	35	23	12	BR	5	2				A		35		PEBBLE
58	KURRAJONG T1/OS 58			(4)															
	776558	6620297	4	C	SERP	64	55	24									10	X	SCAPER/CORE, PEBBLE
				FP	MET	28	35	7									45		
				FP	MET	23	10	4	BR	7	2	P				R	0		
				FP	MET	17	23	3							H		0		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
64	KURRAJONG T1/ISO 64			(1)															
	776419	6619946	5	F	MET	15	10	4	BR	4	4				F	R	0		
65	KURRAJONG T1/ISO 65			(1)															
	776354	6619896	6	F	MET	27	17	2	F	11	2		X		F		0		
				FP	CH	10	8	3									0		
66	KURRAJONG T1/OS 66			(4)															
	776046	6619560	5	FP	CH	18	20	3									0		
				F	MET	20	20	5				D			F	2NS	0		
				FP	MET	38	32	22									0		SCRAPER
				F	CH	25	13	6	CORT	10	3				F		55		
67	KURRAJONG T1/OS 67			(2)															
	776269	6619975	5	F	MET	25	22	8	BR	3	2			X	A	R	0		
				FP	CHAL	10	7	2									0		
68	KURRAJONG T1/ISO 68			(1)															
	775946	6620079	5	C	MET	30	24	20									0		2 NEG FLAKE SCARS
69	KURRAJONG T1/OS 69			(3)															
	776353	6619843	4	F	MET	27	22	6	BR	15	5				F		0	X	
				C	PW	28	25	20									20		SCRAPER
				F	PW	25	9	3	?	2	2	P					0		
70	KURRAJONG T1/OS 70			(4)															
	776393	6619862	4	F	CH	22	14	5	F	13	5				F		0		BACKED BLADE
				FP	CH	23	15	5									40		PEBBLE
				FP	CH	20	19	5									0		
				FP	Q	13	13	6									0		
71	KURRAJONG T1/OS 71			(2)															
	776453	6619769	4	FP	CH	16	8	6									0		BACKED BLADE
				F	CH	30	12	3	F	11	5	P	X	X		2R	0		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS	
72	KURRAJONG T1/OS 72			(9)																
	776174	6619651	5	F	CH	25	14	4	F	6	3		X		F	R	0			
				F	CH	22	24	5				D			F		0			
				F	MET	28	21	3	F	11	3				X	S		0		
				F	CH	24	26	5	F	15	5					H		0		
				F	CH	30	18	5	F	5	4					F	R	0		
				F	MET	25	17	3	BR	13	3					H	2R	0		
73	KURRAJONG T1/ISO 73			(1)																
	776111	6619633	5	F	CH	35	38	13	BR	8	4				A	3NS	0	X		
74	KURRAJONG T1/OS 74			(2)																
	776035	6619560	5	F	CH	13	18	3	CORT	12	3				F		10			
				F	CH	25	13	4	F	7	3	P				R	0		POTLID	
75	KURRAJONG T1/OS 75			(3)																
	776054	6619757	5	F	MET	33	30	8	F	7	3				A	R	0			
				F	MET	19	19	3	F	11	3		X	X	F		0			
				F	Q	15	10	2	?	3	2					F		0		
76	KURRAJONG T1/OS 76			(2)																
	776129	6619772	5	F	MET	28	20	3	BR	10	3		X		A	2R	15			
				F	CH	25	13	5	BR	9	4		X		F	R	5			
77	KURRAJONG T1/ISO 77			(1)																
	776069	6619787	5	F	CH	24	20	5	F	5	3		X		S	R	0			
78	KURRAJONG T1/OS 78			(3)																
	776021	6619792	5	F	IG	26	26	5	SHAT	23	5		X		F	R	20			
				F	CH	16	13	3	?	2	1				F		30		RETOUCH, SCRAPER?	
				FP	Q	23	20	6										0		RETOUCH, SCRAPER?

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
79	KURRAJONG T1/ISO 79			(1)															
	776219	6619775	5	F	CH	20	16	4	F	8	3		X	F	R		0		
80	KURRAJONG T1/OS 80			(5)															
	776210	6619810		F	CH	24	25	7	BR	18	5			F			10		
				F	Q	17	13	3	F	3	1			F			50		
				F	QZ	30	28	10	BR	10	3			S	R		0		
				FP	CH	28	25	8								CORTEX	50		
				FP	CH	27	10	6									0		STEP FRACTURE SCAR
81	KURRAJONG T1/ISO 81			(1)															
	774687	6619444	6	F	MET	34	28	19	?	5	3			A			25		
82	KURRAJONG T1/OS 82			(9)															
	774400	6619174	6	F	BAS	63	27	10	F	18	6		X	F	R		0	X	
				F	MET	27	12	5	SHAT					F	R		15		
				FP	CH	13	17	3	SHAT					F			0		
				FP	CH	12	10	2									0		
				F	QZ	30	25	11	BR	24	11			F	R		0		
				F	MET	68	43	22	BR	8	3			A			60		
				FP	CHAL	23	10	7								2NS	50		
				F	MET	28	32	9	BR	16	7			A			0		
				F	MET	43	22	5	BR	15	3			A	2R		0		
83	KURRAJONG T1/OS 83			(7)															
	774312	6619099	5	FP	MET	17	10	3								NS	10		
				FP	CH	17	7	6									0		
				FP	CH	15	8	3									0		
				FP	PW	20	8	8									0		RETOUCH
				F	MET	32	16	6	F	10	3			F			20		
				FP	MET	65	45	32									75		STEEP EDGE SCRAPER
				F	MET	21	35	9	CORT	15	5		X	F			5		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastng	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
84	KURRALONG TL/OS 84			(5)															
	774282	6619053	5	FP	QZ	20	13	5								R	0		
				FP	CHAL	18	13	4	BR	8	4		X		F		0		
				FP	MET	50	50	25									80		STEEP EDGE SCRAPER
				F	MUD/R	23	38	7	F	26	5			X	F		50		
				F	CH	29	18	9	F	14	6	P				R	0		
85	KURRALONG TL/OS 85			(3)															
	774250	6619003	5	F	MUD/R	28	15	8	SHAT				X		S	R	5		RETOUCH L MARGIN
				F	CH	21	19	5	BR	11	5		X		H		0	X	
				C	MET	60	47	26									60		2 NEG FL SCARS + STEP FRACTURE
86	KURRALONG TL/OS 86			(2)															
	774230	6618998	5	F	CH	22	30	5	BR	16	5				F	R	0		
				F	MUD/R	16	24	5	F	8	3				F	R	0		
87	KURRALONG TL/ISO 87			(1)															
	774166	6618811	6	FP	QZ	58	55	15	BR	15	7				F		40		STEEP EDGE SCRAPER
88	KURRALONG TL/OS 88			(2)															
	773570	6618800	5	F	MET	23	22	5	F	10	4			X	F		0		
				F	CH	28	28	3	BR	7	2			X	F		0		
89	KURRALONG TL/ISO 89			(1)															
	772971	6619030	5	FP	MET	55	45	18								PEBBLE	45		STEEP EDGE SCRAPER
90	KURRALONG TL/OS 90			(5)															
	774221	6619181	4	C	CHAL	30	28	13	F	10	3		X		A		0	X	SCRAPER
				F	QZ	22	16	8				D			F	R	0		
				C	CH	40	35	8									0	X	6 NEG FLAKE SCARS
				FP	MET	48	45	30									90		STEEP EDGE SCRAPER
				FP	MET	43	35	35									0		2 NEG FLAKE SCARS
91	KURRALONG TL/OS 91			(2)															
	774975	6619298	4	C	MET	50	37	28									20	X	2 NEG FLAKE SCARS
				F	MET	55	60	30	BR	50	25		X				0		STEEP EDGE SCRAPER

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
92	KURRAIONG T1/ISO 92			(1)															
	774954	6619212	4	F	MET	23	15	5	BR	5	5		X		F	R	0		
93	KURRAIONG T1/OS 93			(2)															
	774958	6619354	4	F	BAS	30	15	6	BR	10	5				F	CORTEX	5		
				F	MUD	22	18	7	BR	18	7				F		0		
94	KURRAIONG T1/OS 94			(6)															
	774955	6619330	5	F	CH	45	28	8	BR	10	4				A	4NS	0		
				F	MET	18	13	7	BR	14	5				F		0		
				F	CH	16	11	2	?	6	1				F		0		
				FP	QZ	63	50	24									0		STEEP EDGE SCRAPER
				FP	CH	55	35	27									0		STEEP EDGE SCRAPER
				F	MET	11	21	4	BR	21	2				F		0		
95	KURRAIONG T1/OS 95			(7)															
	774977	6619291	6	F	CH	26	26	10	BR	20	10		X		F	R	0		
				C	CH	28	11	8									0		3 NEG FL SCARS + STEP FRACTURE
				F	CH	18	32	8	BR	15	7				F		0		
				F	CH/SIL	35	20	5	F	6	5				F	R	0		
				FP	CH	23	17	5									0		
				C	CH	25	23	21									0	X	6 NEG FLAKE SCARS
				FP	CH	32	25	12									0		
96	KURRAIONG T1/OS 96			(3)															
	774877	6619178	5	C	CH	32	30	25									0		4 NEG FLAKE SCARS
				F	QZ	43	38	13	BR	15	7				F	R	0		
				FP	CHAL	20	8	4									0		
97	KURRAIONG T1/ISO 97			(1)															
	774783	6619064	5	F	MET	53	32	20	CORT	33	17				A	R	15		
98	KURRAIONG T1/OS 98			(2)															
	774742	6618977	4	C	MET	40	33	24									0		RETOUCH, PROB. SCAPER
				F	MET	34	25	8	F	6	6		X		A	R	20		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
99	KURRAJONG T1/OS 99			(2)															
	774697	6618941	4	C	ARG	38	28	23									15		CORE BECAME SCRAPER
				F	QZ	20	20	5	SHAT			P	X				0		
100	KURRAJONG T1/OS 100			(4)															
	774878	6619099	6	F	MET	34	44	8	BR	37	6			X			0	X	RETOUCH, SCRAPER
				F	CH	38	32	10	F	20	7				A	CORTEX	50		
				F	PW	25	45	17	BR	38	16		X		F		0		
				FP	QZ	53	43	15	SHAT	13	2				A		20		PEBBLE
101	KURRAJONG T1/ISO 101			(1)															
	774980	6619194	6	F	QZ	38	33	10	F	10	5				A	CORTEX	50		PEBBLE
102	KURRAJONG T1/OS 102			(3)															
	775044	6619434	6	F	MET	33	23	5	SHAT						F	CORTEX	50		PEBBLE
				F	MET	8	10	3	F	7	3	P				R	0		
				F	MET	20	13	5		11	5				F	R	10		
103	KURRAJONG /OS 103			(3)															
	775195	6617782	4	C	PW	45	33	18									0		STEEP EDGE SCRAPER
					CH	30	28	8	BR	23	8		X		F		0		
104	KURRAJONG /OS 104			(3)															
	775220	6617682	4	C	MET	50	45	32									0		STEEP EDGE SCRAPER
				F	Q	20	13	3	F	12	1		?		F	CORTEX	40		PEBBLE
				C	MET	50	38	26									25		PEBBLE, STEEP EDGE SCRAPER
105	KURRAJONG /OS 105			(2)															
	775233	6618102	4	F	MET	20	15	4	F	9	3	P	X				0		
					MET	25	23	4	F	15	4				F	CORTEX	50		PEBBLE
106	KURRAJONG /OS 106			(3)															
	775007	6616792	4	F	QZ	48	38	21	CORT	37	20				A	CORTEX	60		
				FP	QZ	45	18	10									0		
				F	QZ	40	25	6	BR	20	5						0		DIAGONAL SNAP

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
107	KURRAJONG /OS 107			(34)															
	775020	6616744	5	C	QZ	45	36	20	SHAT							CONICAL	0		
				F	QZ	23	16	7	CORT	17	5				A		20		
				Q	F	10	7	2	F	7	2				F	R	0		
				FP	MET	26	23	5								R?	0		
				F	QZ	17	22	7	F	23	8		X	X	A		5		
				C	MET	40	18	12									0		
				F	QZ	21	17	3	SHAT						F		0		
				F	MET	40	30	20	CORT	20	10				A	R	15		
				C	MET	20	20	17									30		
				C	MET	45	27	22									30		
				F	CH	28	25	5				D			F	CORTEX	50		
				F	MET	33	18	7	SHAT				X		F	R	50		
				C	MET	38	33	20									0	X	
				F	MET	30	20	10	SHAT								0		
				F	MET	28	25	11	F	13	5		X		A		0	X	
				F	IGN	17	25	5				D			F	R	0		
				F	MET	21	19	6	BR	5	4				A	R	0		
				F	MET	21	25	5	F	13	4				F	R	30		
				F	CH	27	14	5	BR	8	2				F		15		
				F	CH	15	12	3	F	8	3					R	0		
				F	MET	22	20	5	F	15	5				F		20		
				F	Q	17	7	4	BR	4	2	D			F	R	0		
				F	Q	13	13	3	BR	3	3				F		0		
				F	MET	11	12	2	?	3	1				F		5		
				F	MET	22	12	6	BR	11	5	P				R	0		
				F	MET	12	7	3	SHAT			P				R	0		
				F	MET	7	8	2	SHAT						F		0		TRIMMING FLAKE
				F	MET	18	15	2	F	12	2				S	R	0		
				F	Q	12	12	1	SHAT						S		0		
				FP	CH	15	13	3								R	0		POT LIDS
				F	SIL	48	34	18	?	2	1		X		A	R	20		
				FP	IGN	17	8	2									0		POT LID
				F	MET	17	12	2	F	8	2	P	X				0		
				C	CH	39	35	24									0	X	STEEP EDGE SCRAPER

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS								
108	KURRAJONG /OS 108 775185	6616760	4	(12)																							
				C	IGN	52	35	23														STEEP EDGE SCRAPER					
				C	IGN	40	29	27																			
				C	MET	35	30	28																			
				F	CH	35	18	10	F	12	3					X		F	R	0			MULTIPLE STEP FRACTURES				
				F	Q	25	20	5	BR	15	5							F	R	0							
				F	MET	23	15	8	F	3	2				P												
				F	QZ	20	26	6								D											
				F	QZ	32	23	7	F	10	7							F	CORTEX	50				PEBBLE			
				C	MET	28	16	8																STEEP EDGE SCRAPER			
109	KURRAJONG /OS 109 775089	6616834	6	(4)																							
				C	CH	40	35	25																			
				F	MET	35	33	7	F	24	6					X		F									
				FP	QZ	35	30	8																			
				F	MET	40	45	10	BR	31	11							H									
110	KURRAJONG /OS 110 775119	6616801	6	(3)																							
				F	MET	28	16	10	F	3	2																
				F	CH	23	10	3	F	5	1				P												
				F	MET	20	12	4	F	10	3							F	R	0							

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Easting	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
111	KURRA/ONG /OS 111	6616803	5	(36)															
	775217			F	MET	12	21	5	F	17	3		X		H		0		
				F	Q	30	20	6	F	15	5		X		F		0		
				F	MET	15	11	3	F	10	3	P				2R	0		
				FP	CHAL	16	8	2									0		
				F	MET	20	13	5	F	11	5				F		0		
				C	MET	47	45	38									0		HORSESHOE CORE
				C	CHAL	30	30	26									0	X	
				F	QZ	31	20	5	F	15	5				F	CORTEX	50		
				F	MET	25	15	6	BR	11	3			X	A	R	0		
				F	MET	20	25	8	F	15	8	P					0		
				C	SIL	40	23	23									0		
				FP	QZ	33	30	8									0		
				FP	BAS	32	19	8									0		
				C	MET	30	27	15									0		
				FP	CHAL	19	12	7									10		
				FP	MET	27	14	9									0		
				F	Q	21	34	6	CORT	14	7		X		F		10		
				F	CHAL	22	10	6	F	7	3	P	X	X			0		
				F	MET	28	32	7	F	15	6				F	CORTEX	50		PEBBLE
				FP	MET	35	27	7									15		
				C	CHAL	22	20	19									0	X	
				F	MET	17	11	3	F	7	1		X		F		0		
				C	MET	30	24	22									0		
				F	CH	15	20	5	F	10	4				F		0		
				F	IGN	37	32	9	BR				X		F	CORTEX	45		
				F	MET	30	12	7	F	5	4	P				2R	0		
				FP	QZ	22	21	11									0		
				F/C	CH	29	15	8	F	13	6						0		
				F/C	MET	23	22	11									0		
				F	CH	17	23	2	F	3	1		X		F	2R	0		
				F	MET	23	13	5	F	5	2	P					0		
				F	MET	16	13	3	F	9	2	P					0		
				F	CHAL	21	10	2	BR	3	2				F		0		
				F	CH	25	13	3	F	8	2				F	R	0		
				F	CH	19	11	4	F	4	2				F		0		
				F	MET	17	10	3	F	8	2				F	R	0		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Eastings	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
	KURRAIONG/OS 112			(50+)															
	775248	6616821	4	AT LEAST 50 ARTEFACTS IN TRACK	CH	29	8	4											BONDI POINT
				FP															
113	KURRAIONG T1/OS 113			(2)															
	779082	6620856	5	FL	QZ	20	20	4	BR	7	4	P	X	X			0		
				FP	MET	35	23	12									35		RETOUCH
114	KURRAIONG T1/OS 114			(5)															
	779193	6620847	5	F	MUD	18	13	3	F	6	3		X	X	F	R	0		
				F	MUD	15	13	3				D					0		
				C	CHAL	23	20	11									30		2 NEG FLAKE SCARS
				C	CHAL	26	21	11									25		4 NEG FLAKE SCARS/RETOUCH
				F	CH	16	9	3	BR	6	3				F	R	0		
115	KURRAIONG T1/ISO 115			(1)															
	779096	6621008	4	F	MET	31	28	10	BR	24	8		X			R	0		
116	KURRAIONG T1/OS 116			(2)															
	779220	6621024	4	F	CH	36	39	10	BR	18	4		X	X	A		0		
				F	MET	22	18	6	F	3	2				A	R	0		
117	KURRAIONG T1/ISO 117			(1)															
	779002	6620852	4	FP	CH	20	16	3									25		
118	KURRAIONG T1/OS 118			(3)															
	778892	6620972	4	C	MET	70	56	45									40	X	LARGE PEBBLE
				FP	Q/CH	35	30	15									0		
				C	MET	92	80	32									40		HALF PEBBLE CHOPPER?
119	KURRAIONG T1/OS 119			(3)															
	778845	6621031	4	FP	IG	45	38	14									0	X	
				FP	CH	23	28	3	F	7	2		X				0		
				FP	MET	63	48	17									20		

INDIGENOUS SITES RECORDED ON THE MINE SITE

SITE No.	Easting	Northing	ACC ±	ART	MAT	L	W	TH	PLAT	W	TH	P/D	O/H	E	TERM	DORSAL	CORTEX	CORE R	REMARKS
120	KURRAJONG T1/ISO 120			(1)															
	778757	6621065	4	F	MET	43	18	4	F	5	2		X		F	R	0		
121	KURRAJONG T1/OS 121			(5)															
	778646	6621082	5	F	MET	42	43	10	BR	15	3		X	X	A		40		
				FP	PW	30	30	10									0		
				C	MET	47	45	36									60		PEBBLE/4 NEG FLAKE SCARS
				C	CH	25	25	21									75		2 NEG FLAKE SCARS
				FP	MET	68	63	35									40		PEBBLE CHOPPER TOOL

KEY

HEADINGS

ACC±	GPS ACCURACY	MAT	Material	PLAT	Platform	TERM	Termination
L	Length	SIL	Silcrete	F	Facetted	F	Feather
W	Width	MUD	Mudstone	BR	Broad (single flake)	A	Axial
TH	Thickness	MUD/R	Mudstone or rhyolite	SHAT	Shattered	H	Hinge
P/D	Proximal or Distal	BAS	Basalt	CORT	Cortical	S	Step
O/H	Overhang removal	JASP	Jasper			A/S?	Axial or step
E	Errillure	MET	Metasedimentary				
Core R	Core rotation	IGN	Igneous				
		QZ	Quartzite				
		CH	Chert				
		Q	Quartz				
	Artefact type	PW	Petrified wood				
(5)	5 artefacts in the site	CHAL	Chalcedony				
F	Flake	SERP	Serpentine				
FP	Flaked piece	CH/SIL	Mixture of chert & silcrete				
C	Core						
HS	Hammerstone						

INDIGENOUS SITES RECORDED ON THE MINE SITE

NARRABRI COAL PANELS 1-26, WATER PIPELINE ROUTE AND BRINE STORAGE AREA

ARTEFACT COUNTS FOR ABORIGINAL SITES

Site	Site name	No.	Site	Site name	No.	Site	Site name	No.
1	PINE CREEK T2/OS 1	15	38	PINE CREEK T2/OS 25	13	76	KURRAJONG T1/OS 76	2
2	PINE CREEK T2/ISO 1	1	39	PINE CREEK T2/OS 26	100+	77	KURRAJONG T1/ISO 77	1
3	PINE CREEK T2/OS 2	4	40	PINE CREEK T2/OS27	4	78	KURRAJONG T1/OS 78	3
4	PINE CREEK T2/OS 3	6	41	PINE CREEK T2/OS 27	7	79	KURRAJONG T1/ISO 79	1
5	PINE CREEK T2/OS 4	3	42	PINE CREEK T2/OS 28	2	80	KURRAJONG T1/OS 80	5
6	PINE CREEK T2/OS 5	3	43	PINE CREEK T1/FP1	n/a	81	KURRAJONG T1/ISO 81	1
7	PINE CREEK T2/OS 6	6	44	PINE CREEK ISO 44	1	82	KURRAJONG T1/OS 82	9
8	PINE CREEK T2/ISO 2	1	45	PINE CREEK ISO 45	1	83	KURRAJONG T1/OS 83	7
9	PINE CREEK T2/ISO 3	1	46	PINE CREEK ISO 46	1	84	KURRAJONG T1/OS 84	5
10A	PINE CREEK T2/OS 7	2	47	PINE CREEK OS 47	2	85	KURRAJONG T1/OS 85	3
10B	PINE CREEK T2/AGG 1	n/a	48	PINE CREEK OS 48	3	86	KURRAJONG T1/OS 86	2
11	PINE CREEK T1/OS 8	11	49	PINE CREEK OS 49	5	87	KURRAJONG T1/ISO 87	1
12	PINE CREEK T1/OS 9	3	50	PINE CREEK OS 50	3	88	KURRAJONG T1/OS 88	2
13	PINE CREEK T1/OS 10	4	51	PINE CREEK OS 51	3	89	KURRAJONG T1/ISO 89	1
14	PINE CREEK T1/ISO 4	1	52	PINE CREEK OS 52	2	90	KURRAJONG T1/OS 90	5
15	PINE CREEK T1/OS 11	2	53	PINE CREEK OS 53	6	91	KURRAJONG T1/OS 91	2
16	PINE CREEK T1/OS 12	7	54	PINE CREEK OS 54	2	92	KURRAJONG T1/ISO 92	1
17	PINE CREEK T1/ISO 5	1	55	KURRAJONG T1/OS 55	2	93	KURRAJONG T1/OS 93	2
18	PINE CREEK T1/OS 13	4	56	KURRAJONG T1/OS 56	2	94	KURRAJONG T1/OS 94	6
19	PINE CREEK T1/OS 14	18	57	KURRAJONG T1/ISO 57	1	95	KURRAJONG T1/OS 95	7
20	PINE CREEK T1/ST 1	n/a	58	KURRAJONG T1/OS 58	4	96	KURRAJONG T1/OS 96	3
21	PINE CREEK T1/ISO 6	1	59	KURRAJONG T1/OS 59	6	97	KURRAJONG T1/ISO 97	1
22	PINE CREEK T1/OS 15	5	60	KURRAJONG T1/OS 60	4	98	KURRAJONG T1/OS 98	2
23	PINE CREEK T1/OS 16	3	61	KURRAJONG T1/OS 61	7	99	KURRAJONG T1/OS 99	2
24	PINE CREEK T1/OS 17	2	62	KURRAJONG T1/OS 62	3	100	KURRAJONG T1/OS 100	4
25	PINE CREEK T1/ISO 7	1	63	KURRAJONG T1/OS 63	7	101	KURRAJONG T1/ISO 101	1
26	PINE CREEK T1/ISO 8	1	64	KURRAJONG T1/ISO 64	1	102	KURRAJONG T1/OS 102	3
27	PINE CREEK T1/OS 18	2	65	KURRAJONG T1/ISO 65	1	103	KURRAJONG /OS 103	3
28	PINE CREEK T1/ISO 9	1	66	KURRAJONG T1/OS 66	4	104	KURRAJONG /OS 104	3
29	PINE CREEK T1/ISO 10	1	67	KURRAJONG T1/OS 67	2	105	KURRAJONG /OS 105	2
30	PINE CREEK T1/OS 19	2	68	KURRAJONG T1/ISO 68	1	106	KURRAJONG /OS 106	3
31	PINE CREEK T1/OS 20	3	69	KURRAJONG T1/OS 69	3	107	KURRAJONG /OS 107	34
32	PINE CREEK T1/OS 21	2	70	KURRAJONG T1/OS 70	4	108	KURRAJONG /OS 108	12
33	PINE CREEK T1/OS 22	2	71	KURRAJONG T1/OS 71	2	109	KURRAJONG /OS 109	4
34	PINE CREEK T1/OS 23	4	72	KURRAJONG T1/OS 72	9	110	KURRAJONG /OS 110	3
35	PINE CREEK T2/OS 24	2	73	KURRAJONG T1/ISO 73	1	111	KURRAJONG /OS 111	36
36	PINE CREEK T2/ISO 11	1	74	KURRAJONG T1/OS 74	2	112	KURRAJONG /OS 112	50+
37	PINE CREEK T2/ISO 12	1	75	KURRAJONG T1/OS 75	3			
		127			224+			232+

**SUMMARY
Panels 1 to 26**

Sites with 1 to 5 artefacts	88	80.00%
Sites with 6 to 10 artefacts	13	11.82%
Sites with 11 to 20 artefacts	5	4.54%
Sites with more than 21 artefacts	4	3.64%
Total all sites with artefacts	110	

NARRABRI COAL PANELS 1-26, WATER PIPELINE ROUTE AND BRINE STORAGE AREA

ARTEFACT COUNTS FOR ABORIGINAL SITES

Site	Site name	No.
113	PINE CREEK T2/OS 113	2
114	PINE CREEK T2/OS 114	5
115	PINE CREEK T2/ISO 115	1
116	PINE CREEK T2/OS 116	2
117	PINE CREEK T2/ISO 117	1
118	PINE CREEK T2/OS 118	3
119	PINE CREEK T2/OS 119	3
120	PINE CREEK T2/ISO 120	1
121	PINE CREEK T2/OS 121	<u>5</u>

No.

BRINE STORAGE AREA

Sites with 1 to 5 artefacts	9	100.00%
Sites with 6 to 10 artefacts	0	0.00%
Sites with 11 to 20 artefacts	0	0.00%
Sites with more than 21 artefacts	<u>0</u>	0.00%
Total all sites with artefacts	<u>9</u>	

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SUMMARY	Sites with 1 to 5 artefacts	97	81.51%
All survey areas	Sites with 6 to 10 artefacts	13	10.92%
	Sites with 11 to 20 artefacts	5	4.20%
	Sites with more than 21 artefacts	<u>4</u>	<u>3.37%</u>
	Total all sites with artefacts	119	100%
	Total no. of artefacts (approx)	606+	
	Plus Other site types		
	Fireplace	1	
	Scarred tree	<u>1</u>	
	Total all sites	121	