# **APPENDIX 1.**

# RELEVANT PREVIOUSLY RECORDED ABORIGINAL SITE RECORDS<sup>17</sup>

<sup>17</sup> Courtesy OEH AHIMS and Navin Officer (2005).

OEH AHIMS#	Site Name	GDA Easting	GDA Northing	Recorder	Site Type	Comments
36-3-0575	WCP1	772885	6418290	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0576	WCP2	772935	6418530	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0632	WCP58	772005	6417910	Navin Officer	Possible cultural value/association	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0635	WCP61	771860	6417960	Navin Officer	Water hole (possible)	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0638	WCP64	774417	6415954	Navin Officer	Scarred tree (possible Aboriginal)	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0644	WCP70	771948	6417909	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0645	WCP71	771820	6417604	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0560	WCP124	767427	6419060	Navin Officer	Scarred tree (possible Aboriginal)	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0461	WCP184	770019	6420141	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0471	WCP195	774413	6416714	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0488	WCP212	767445	6419125	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here. Navin Officer consider possibly non-artefactual.
36-3-0489	WCP213	767355	6418958	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here.
36-3-0492	WCP216	767189	6418384	Navin Officer	Open artefact site	AHIMS incorrectly listed datum as GDA when actually AGD as per site card and report/figure. Corrected here. Grid references note site extending over 400 metres (AGD 767084-7674457, 6418194-6418415). Only 1 point mapped here.
36-3-0792	WCP259	769527	6420802	Navin Officer	Open artefact site	
pending	WE52 (WCP 340)	767642	6418127	S. Player (Kayandel)	Rock shelter with PAD	

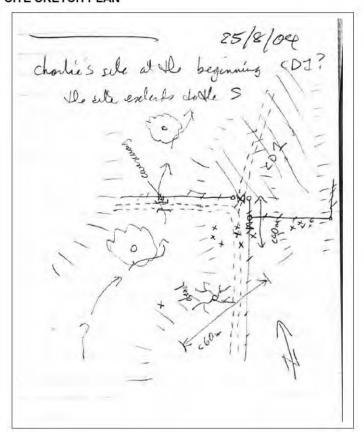
ABORIGINAL SITE FIEL	D DATA RECORD	ING FORM	M WILPINJO	NG COAL I	PROJECT		
Site Name Field code: WCP1		☐ from maximum in from maximu	Reference: apeld GPS 772 780.6418: tial GPS	100	(AGD)/ GDA		
□ open artefact scatter     □ rock shelter     □ rock art     □ quarry/procurement site     □ grinding grooves	surface artefacts arch'l deposit potential arch'l dep. shell pigment art engraved art rock surface feature	uppr vall coastline Small scale major rid spurline valley flo shoreline headland	e landform (tick as many a ge	as appropriate)  escarpmel heavy rock discontinu isolated to rock platfo	nt couteropping ous outerops r/outerop rm(s)		
Site Dimensions (area over which as length: 100 width: 5 25  Gradient: □ gen.flat □ low  Aspect: ☑ OPEN □N □NE □E □St	depth	□ shoulder □ saddle □ alluvial fl	□ knoll       □ terrace       ☑ minor stream bed/margin         □ shoulder       □ dune       □ major stream bed/margin         □ saddle       □ sand sheet       □ lake/wetland bed/margin         □ alluvial flats       □ fan       □ estuary margin         Bedrock (if exposed) unknown				
Site Exposure exposure type: Denuded gravel o soil/matrix type: gravels within du av.exp. incidence 50%. av.ex area over which exp(s) occur visibility away from site: exp.inc	Il grey silt	Existing Ve ☐ forest ☐ woodla ☐ shrubla ☒ grassla ☐ sedge/	Canopy:  Ind □ closed  Ind □ open  Ind □ sparse	Height: ☐ >30m ☐ 10-30m ☐ 10-4m ☐ 4-2m	□ <2m		
	SITE CO	NTENTS	Artefact description	(generalised	recording)		
Surface artefact numbers no. actually counted: 12 estimated no.of surface artefacts:  1-5 16-50 101-500	est. average (a/m²) max. (a/m²) 3	0.1	(complete if site has >10 ar flakes modified flakes	√ no.	percentage		
□ 6-15 ⊠50-100 □ >500	Artefact material ty		cores lithic fragments	<b>-</b>			
Other features  ☐ shell: {1. isolated/sparse} ☐ bone {2. low density} ☐ charcoal {3. mod density}	v no quartz ⊠ quartzite ⊠	). % 	secondary flaking use wear alluvial cortex	□			
☐ hearth	chert ⊠ chalcedony □ rhyolite □		microliths backed blades microblades eloueras	<ul><li></li><li></li></ul>			
			hatchet head/frag't microblade cores				
Archaeological Potential to:			bipolar flake/cores				
_	ow   mod.   high   ow   mod.   high   ow   mod.   high   ow   mod.   high   ow	can't tell	hammerstones anvil stones grinding stones hearth stones				
Site Condition/impacts			manuports	<u> </u>			
visitor/landuse impacts: □ low	,			features			
☑ cultiv'n/plough'g ☑ vegn clean ☐ mech'l earth mov't/exc ☐ anim ☐ service easements ☒ fencing Other/Describe:	nal distnc □ major cor □ dam constn □ rub	istn □ fill bish	groove length: max groove width: max channels:	:ma>	n:		

Refer to Appendix 3 for new detailed recording of site undertaken during present investigation.

# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Partially banded fine gravel siliceous	26	31	6	Flake	3 Negative Scar; 1 Rotation; Focal Platform
2	Tuff	32	21	5	Flake	40% Reef Cortex
3	Indurated Mudstone	34	16	6	Blade	Feathered Termination; Broad Platform; 3 Blade Scar
4	Indurated Mudstone	16	18	5	Flake	Feathered Termination; Broad Platform; 3 Blade Scar
5	Partially banded fine gravel siliceous	22	19	7	Broken Blade	Proximal End
6	Indurated Mudstone	41	25	16	Blade Core	5 negative blade scar; 1 platform
7	Indurated Mudstone	31	14	7	Blade	60% Reef Cortex
8	Quartz	34	23	11	Core	2 Platform; 4 Negative Scar
9	Indurated Mudstone	12	12	4	Flake	
10	Tuff (Pink)	25	12	3	Blade	
11	Quartz	22	11	6	Blade	Bipolar
12	Chert (Black)	18	8	2	Flake Piece	Bipolar

# SITE SKETCH PLAN



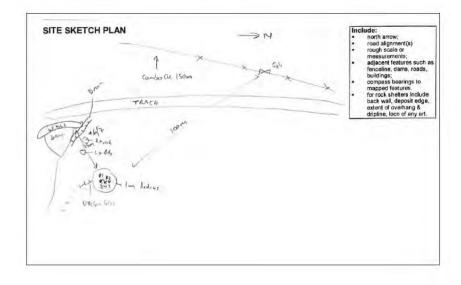
# Include:

- north arrow;
  road alignment(s)
  rough scale or
  measurements;
  adjacent features such as
  fenceline, dams, roads,
  buildings;
  compass bearings to
  mapped features.
  for rock shelters include
  back wall, deposit edge,
  extent of overhang &
  dripline, locn of any art.

ABORIGINAL SITE FIELD DAT	A RECORDING FOR	M WILPINJONG COAL PROJECT
Site Name Field code:WCP2Project Recorder C Dearling Date 10August 2004 Photos film nophoto nos.	code: WCP ☐ from m ☑ hand h ☐ differe	I Reference:         circle grid type           nap
□ rock art □ shell □ quarry/procurement site □ pigment □ grinding grooves □ engrave	artefacts eposit il arch'l dep.  f art ed art face feature  □ uppr val □ coastlin Small scal □ major ri □ spurline □ valley fl □ shorelin □ headlan □ indetern	le landform (tick as many as appropriate)     dge
Site Dimensions (area over which artefacts for length: 10	oth saddle	□ terrace □ minor stream bed/margin er □ dune □ major stream bed/margin □ sand sheet □ lake/wetland bed/margin flats □ fan □ estuary margin f exposed) Sandstone
Site Exposure exposure type: Erosion Scoursoil/matrix type: Gravels - Sedimentary av.exp. incidence 40%. av.exp. visible area over which exp(s) occur20.x visibility away from site: exp.inc10% exp	woodl   woodl   shrubl   20   grassl   sedge	Canopy:       Height:         and       □ closed       □ >30m         land       □ open       □ 10-30m         land       ☑ sparse       □ 10-4m
estimated no.of surface artefacts:  □1-5 □16-50 □101-500  □6-15 □50-100 □>500	ce artefact density verage (a/m²)	Artefact description (generalised recording) (complete if site has >10 artefacts)  v no. percentage flakes  modified flakes  cores  cores  modified flakes
Other features  shell: {1. isolated/sparse} bone {2. low density} charcoal {3. mod density} hearth {4. high density} city other	ete if site has >10 artefacts)  ignored no. %  quartz no  artzite no  lorete no  chert no  guartz no  chert n	secondary flaking
	nod. ⊠ high □ can't tell nod. ⊠ high □ can't tell nod. □ high □ can't tell	bipolar flake/cores  hammerstones  anvil stones  grinding stones  hearth stones  manuports  hammerstones  manuports  hammerstones  manuports  hammerstones  hammerstones
General rating ⊠ poor ⊠ good. □ v.govisitor/landuse impacts: □ low □ mod natural impacts: □ low ⊠ mod ⊠ cultiv'n/plough'g ⊠ vegn clearnc ☒ e ⊠ mech'l earth mov't/exc □ animal distn □ service easements □ fencing ☒ dam Other/Describe:	. ☑ high ☐ can't tell . ☐ high ☐ can't tell erosion ☐ vehicle tracks c ☐ major constn ☐ fill constn ☐ rubbish	Abraded or Pecked features  grinding grooves: no. of grooves no. of groups mo. of groups min: groove width: max: max: max: channels: no. other:

# Artefact Descriptions Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Quartz (milky)	26	17	7	Flake	Black Residues one margin – possibly burnt moss
2	Blade Chert	28	28	20	Broken River Pebbles	90% Pebble Cortex (possible artefact) – other smaller pebbles present
3	Partially banded fine gravel siliceous	24	21	8	Core	2 platforms, 9 scars, 3 rotations
4	Partially banded fine gravel siliceous	12	9	4	Flake	
5	Tuff (Green)	59	31	18	Flake	
6	Quartz	29	26	17	Core	1 platform, 3 rotations
7	Quartzite	22	23	9	Flake Piece	
8	Tuff (white)	24	14	9	Blade	1 rotation, focal platform
9	Volcanic (black)	25	18	8	Flake	
10	Petrified Wood	24	15	20	Flake Piece	
11	Chert (Grey)	22	13	8	Flake	





NPWS, PO Box 1967, Hurstville NSW 2220

		SIT	E IDENTIF	ICA	TION					
Site name	WCP58	WCP58 NPWS Site #								
Owner/manager	Wilpinjong Coal Pty Ltd									
Owner Address	PO Box H287 Australia Square, Sydney NSW 1215									
	1 0 DOX 11207 Australia Oquale, Oyulley 11010									
	LOCATION									
Location	Wilpiniona	40 km north	-east of Mud			ollar NS\	V			
How to get to the site	See attacl			<b>3</b> ,						
1:250,000 map name	Wollar					NPWS	map code			
AMG Zone		AMG East	ina 77190	0			orthing	6417720		
Method for grid	1:25000 m		Map sca	le	1:25,00		Map name	Wollar		
reference		•	(if method	=						
			map)							
NPWS District Name							Zone (see			
(see map) Portion no.						map) Parish				
Portion no.		SI.	TE DESCI	ollo-	CION	Parisii				
Site type(s)	Deported in		TE DESCI ral significan		ION	Site tur	e code			
Site type(s)	Reported p	iace oi cultu	iai signilican	Je			use only)			
Description of site and						, 110				
contents	Attach pho	otographs a	nd sketches	, eg.	plan &	section	of shelter.			
CHECKLIST: eg. length,	Do NOT di	g, disturb o	r damage si	te or	conten	ıts.				
width, depth, height of site,										
shelter, deposit, structure,								f just over 440 m AHD,		
element eg. tree scar, grooves in rock.					_	_		ified as a site of special		
DEPOSIT: colour, texture,								pipants, representatives		
estimated depth,								e recorders were later		
stratigraphy, contents-								C and Murong Gialinga		
shell, bone, stone,				_				It was also their belief		
charcoal, density &		_					_	idgeline to the large art		
distribution of these, stone					_			committal in expressing		
types, artefact types.  ART: area of decorated	their views	s and some	have expre	esse	d reser	vations	about the sit	e identification.		
surface, motifs, colours,										
wet,/dry pigment,			•					area, including older		
engraving technique, no.	,					•	not believe	the knoll and ridgeline		
of figures, sizes,	have any	particular o	r special cu	tura	l signifi	icance.				
patination. BURIALS: number &										
BURIALS: number & condition of bone, position,										
age, sex, associated										
artefacts.										
TREES: number, alive,										
dead. likely age, scar										
shape, position, size,										
patterns, axe marks,										
regrowth. QUARRIES: rock type,										
debris, recognisable										
artefacts, percentage										
quarried										
	I									



NPWS, PO Box 1967, Hurstville NSW 2220

		SI	TE ENV	IRO	NMEN					
Land form	Knoll and	ridgeline		As	pect			Slope		
Mark position of the site	1			_						_
Lead sail tons				112						
Local rock type Distance from drinking water				1000	nd use/e urce	песі				
Resource zone (eg. estuarine, river, forest)					getation					
Edible plants					unal re					
Other exploitable resources (eg. ochre)										
Are there other sites in the locality	th	re they in e Sites egister			her site clude	types				
			TE MAN	IAG	EMENT					
Site condition	See Repor									
Management recommendations	See Repor	t								
Have artefacts been removed from site	unknown				When					
By whom					Deposit	ed at				
Consent applied for				-1	Consen	t issued				
Date of issue					12/2005 200	t number				
		SITE INSP				ORDIN	G			
Reason for investigation		ment for Wil			ine					
Were local Aborigines contacted or present for the recording	□ Not cont ☑ Contact present □ Contacte not pres	ed and and ed but	Names a addresses		525 Phea Pheasant Murong G PO Box 1 Mudgee N Mudgee L PO Box 1	isants Nest is Nest NS\ Sialinga Ab 097 NSW 2850 .ocal Abori	t Road W 2574 original a	and Torres		poration
Is the site important to local Aborigines										
Verbal/written reference sources		Officer jong Coal P ge Assessme		ppen		boriginal	ASR numb (or tit		C- C-	
Photographs taken							No. Photo attacl	-	100	
Site recorded by	Navin Offic	er Heritage (	Consultant	s Pty	Ltd		Date recor	of	August 2	2004
Address/institution	4/71 Leichl	hardt Street,	KINGSTO	N, A	CT 2604					



NPWS, PO Box 1967, Hurstville NSW 2220

Site name     WCP61     NPWS Site #       Owner/manager     Wilpinjong Coal Pty Ltd       Owner Address     PO Box H287 Australia Square, Sydney NSW 1215											
- 1, 0 ,											
Owner Address PO Box H287 Australia Square, Sydney NSW 1215											
	. , ,										
	, , , ,										
LOCATION											
Location Wilpinjong, 40 km north-east of Mudgee, near Wollar NSW											
How to get to the site See attached map											
1:250,000 map name Wollar NPWS map code											
AMG Zone AMG Easting 771755 AMG Northing 6417770											
Method   for   grid   1:25000 map   Map   scale   1:25,000   Map name   Wollar											
reference (if method =											
map)											
NPWS District Name NPWS Zone (see											
(see map) map) Portion no. Parish											
SITE DESCRIPTION											
Site type(s) Reported 'spring' or waterhole Site type code											
(NPWS use only)											
Description of site and											
contents Attach photographs and sketches, eg. plan & section of shelter.											
CHECKLIST: eg. length, Do NOT dig, disturb or damage site or contents.											
width, depth, height of site,											
shelter, deposit, structure, Eli Kennedy identified this feature (an excavated hole, under a stone slab), a											
element eg. tree scar, formerly utilised Aboriginal water source. The archaeologists could not distinguish grooves in rock.											
DEPOSIT: colour, texture literature is situation and area of animal digging within porous sediments. The reactive is situation	ted										
estimated depth, just below a break-of-slope on a small benched spurline crest.											
stratigraphy, contents-											
shell, bone, stone, 'Spring' at break of slope immediately below exposed bedrock, western side of a rice	_										
chargoal, density & Consists of a large fallen rock with the entrance to a wombat burrow on either sid											
distribution of these, stone the fallen rock and the tunnel into the slope below the rock. A small shallow poor											
types, artefact types.  ART: area of decorated water lies in the depression at the entrance to the tunnel. There is no w	ater										
surface, motifs, colours,											
wet,/dry pigment,											
engraving technique, no.											
of figures, sizes,											
patination.											
BURIALS: number & condition of bone, position,											
age, sex, associated											
artefacts.											
TREES: number, alive,											
dead. likely age, scar											
shape, position, size,											
patterns, axe marks,											
regrowth. QUARRIES: rock type,											
debris. recognisable											
artefacts, percentage											
quarried											



NPWS, PO Box 1967, Hurstville NSW 2220

		SITE ENVI	RONMENT		
Land form	Spurline crest		Aspect	Slope	× 1
Mark position of the site					
Local rock type			Land use/effect	Ť	
Distance from drinking water			Source		
Resource zone (eg. estuarine, river, forest)			Vegetation		
Edible plants			Faunal resources (include shellfish)		
Other exploitable resources (eg. ochre)					
Are there other sites in the locality	Yes Are they the Si Register	in some	Other site types include		1
5777 8.3		SITE MAN	AGEMENT		
Site condition	See Report				
Management recommendations	See Report				
Have artefacts been removed from site	unknown		When		
By whom			Deposited at		
Consent applied for			Consent issued		
Date of issue			Consent number		
Reason for investigation			AND RECORDIN Mine	G	
Were local Aborigines contacted or present for the recording	□Not contacted ☑Contacted and present □Contacted but not present	Names an addresses	525 Pheasants Nest NS	t Road W 2574 Poriginal and Torres	original Corporation s Strait Islander Corporation
Is the site important to local Aborigines					
Verbal/written reference sources		l Project. App	Consultants 2005 bendix F. Aboriginal for Wilpinjong Coal.	ASR report number(s) (or title)	C- C-
Photographs taken				No. of Photos attached	
Site recorded by	Navin Officer Heritag	ge Consultants	Pty Ltd	Date of recording	12 August 2004
Address/institution	4/71 Leichhardt Stre	et, KINGSTON	, ACT 2604		

Site Location: WCP61 (following re-location during present investigation)

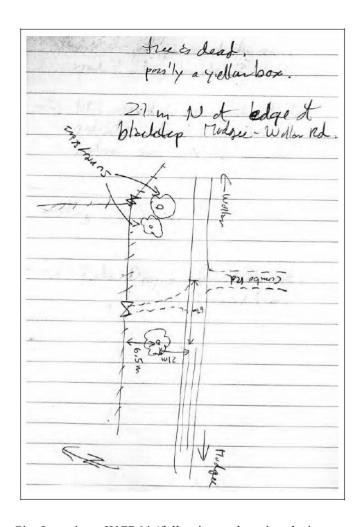


Photograph: WCP61 (taken during present investigation, 5/3/2013)



# ABORIGINAL SCARRED TREE FIELD DATA RECORDING WILPINJONG COAL PROJECT

Site Name/code WCP64Project code: WCP	Map Grid Reference:	pirolo grid tuno
Recorder C Dearling/ T Saunders		circle grid type AGD/GDA
Date 13 August 2004		AGD/GDA
The Tree	☐ differential GPS	AGD/GDA
species Eucalyptus possibly Yellow Box	Large scale landform  □ plateau □ uppr v. □ mid v. □ basal v.  Small scale landform □ major ridge □ crest □ major esc □ spurline □ break-of-slope □ minor esc □ knoll □ uppr slopes □ discontine □ shoulder □ mid slopes □ isolated to saddle ☑ basal slopes □ rock platf	carpment carpment uous outcrop or/outcrop orm n bed/margin n bed/margin
The Scar	Bedrock: (if exposed)	
aspect South South East	Existing Vegetation  ☐ forest	□ <2m
Archaeological interpretation		
Checklist:  ☑ tree is endemic to area ☑ tree is at least 100 ys old ☑ scar &regrowth is old enough ☐ scar does not extend to ground ☐ scar sides are parallel if extends to ground ☑ scar edges are even and regular ☑ scar outline is uniform & roughly symmetrical	Sew s	∫u, e=11.∞.1 2, Gea
Conclusion about Aboriginal scar origin:  □ possible ☑ probable □ most likely □ definite proof		
Alternative natural interpretation:		



Site Location: WCP64 (following re-location during present investigation)



Photographs: WCP64 (taken during present investigation, 24/1/2013)



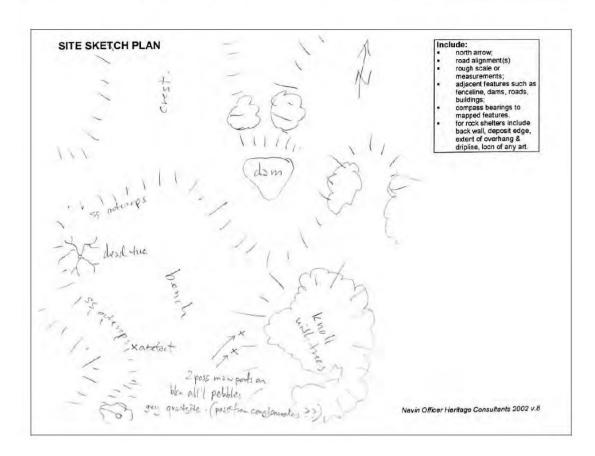


ABORIGINAL SITE FIELD	DATA RECORD	M WILPINJO	NG COAL F	ROJECT	
Site Name Field code: WCP70  Recorder K Officer  Date 12 August 2004  Photos film no photo nos.		☐ from maximum in from maximu	Reference: apeld GPS 0771813.6417 tital GPSeld GPSeld	719	(AGD) GDA
□ open artefact scatter □ rock shelter □ rock art □ quarry/procurement site □ grinding grooves □ de	surface artefacts arch'i deposit ootential arch'i dep. shell oigment art engraved art rock surface feature t	□ uppr vall □ coastline Small scale ☑ major rid □ spurline	ey 🗵 mid valley 🗆 le lake shore la landform (tick as many le le landform) lge 🗆 crest lge landform (tick as many le le landform) lge landform (tick as many le land	as appropriate)  cup escarpmen  cup heavy rock  cup discontinuo  cup isolated tor  cup rock platfor  cup talus slope	outcropping ous outcrops coutcrop rm(s)
Site Dimensions (area over which art length: 1width: 1dep Gradient: ☑ gen.flat ☑ low  Aspect: □ OPEN ☑N □NE □E □SE	oth □ mod. □ high	□ shoulder □ saddle □ alluvial fl	□ dune □ □ sand sheet □	estuary margir	bed/margin bed/margin n
Site Exposure exposure type: Cattle tracks sheet soil/matrix type: Sandy loam av.exp. incidence 20%. av.exp area over which exp(s) occur visibility away from site: exp.inc	o. visibility 90% 80 x 50 10% exp.vis90%	Existing Ve	Canopy:  Ind □ closed  Ind □ open  Ind □ sparse	Height: ☐ >30m ☐ 10-30m ☐ 10-4m ☐ 4-2m	□ <2m
	SITE CON	NTENTS	Artefact description	(generalised ı	recording)
Surface artefact numbers no. actually counted 1  Estimated no. of surface artefacts  1-5	est. average (a/m²) max. (a/m²)		(complete if site has >10 at flakes modified flakes cores	✓ no.  ⊠1	percentage
Other features  shell: {1. isolated/sparse}  bone {2. low density}  charcoal {3. mod density}  hearth {4. high density}  evidence of Ab'l quarrying}  other	quartz 🗵 quartzite 🗆 silcrete 🗆 chert 🗆 chalcedony 🗆 rhyolite 🗆 volcanic 🗆	artefacts)	lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't		
	_		microblade cores		
	w 図 mod. □ high □ w 図 mod. □ high □ w □ mod. □ high □	can't tell	bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports	   	
Site Condition/impacts			manaports		
·	□ v.good □ excel. ☑ mod. □ high □ ☑ mod. □ high □	can't tell	Abraded or Pecked t ☐ grinding grooves:	no. of grooves	
□ cultiv'n/plough'g ☑ vegn clearr □ mech'l earth mov't/exc □ anim. □ service easements □ fencing Other/Describe:	al distnc □ major con □ dam constn □ rubl	istn □ fill bish	groove length: max groove width: max channels:	:max nomax	:

<sup>&</sup>lt;sup>19</sup> Refer to Appendix 3 for new detailed recording of site undertaken during present investigation.

# Artefact Descriptions Describe the first 10 artefacts & exceptional or representative examples

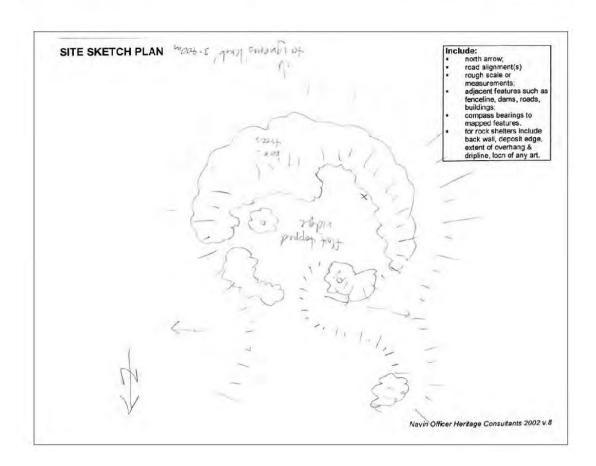
no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Milky Quartz	33	24	9	Flake with edge damage	Focal platform, edge damage and possible secondary flaking along 2 margins.



ABORIGINAL SITE FIELI	D DATA RECORD	ING FORM	M WILPINJONG CO.	AL PROJECT
Site Name Field code:WCP71 Recorder K Officer Date 12 August 2004 Photos film no photo nos		☐ from m ☑ hand h	Reference:  apeld GPS 0771715.6417414  tial GPS	(AGD) GDA
□ open artefact scatter □ rock shelter □ rock art □ quarry/procurement site □ grinding grooves □	surface artefacts arch'l deposit potential arch'l dep. shell pigment art engraved art rock surface feature it	□ uppr vall □ coastline Small scale ⊠ major ric □ spurline	e landform (tick as many as appropriedge	pment rock outcropping ntinuous outcrops ed tor/outcrop platform(s)
Site Dimensions (area over which ar length: 1width: 1de  Gradient: ☑ gen.flat ☐ low  Aspect: ☑ OPEN ☐N ☐NE ☐E ☐SE	pth □ mod. □ high	□ knoll □ shoulder □ saddle □ alluvial f  Bedrock (if	r □ dune □ major str □ sand sheet □ lake/wetl	margin
Site Exposure exposure type: Low vegetation co erosion soil/matrix type: Loamy gravel av.exp. incidence 15.35%. av.ex area over which exp(s) occur visibility away from site: exp.inc	xp. visibility 30% .100 x 8010% exp.vis 30%	Existing Ve ☐ forest ☑ woodla ☐ shrubla ☐ grassla ☐ sedge/	Canopy:         Height:           and         □ closed         □ >30           and         ☒ open         □ 10-3           and         □ sparse         □ 10-4	m 30m 4m
	SITE CO	NTENTS	Artefact description (general	ised recording)
Surface artefact numbers no. actually counted 1  Estimated no. of surface artefacts  1-5  16-50  101-500  6-15  50-100  >500	est. average (a/m²) max. (a/m²)		(complete if site has >10 artefacts)  ✓ no  flakes □  modified flakes □  cores □	
Other features  □ shell: {1. isolated/sparse} □ bone {2. low density} □ charcoal {3. mod density} □ hearth {4. high density}		o. %	lithic fragments □ secondary flaking □ use wear □ alluvial cortex □ microliths □	
□ evidence of Ab'l quarrying □ other  Desc:	chalcedony □ rhyolite □ volcanic □ tuff ⊠	  1	eloueras  hatchet head/frag't  microblade cores  microblade cores	
contain (more) artefacts: ⊠ lo have <i>in situ</i> subsurface mat'l ⊠ lo	w □ mod. □ high [ w 図 mod. □ high [ w □ mod. □ high [	□ can't tell	bipolar flake/cores  hammerstones  anvil stones  grinding stones  hearth stones  manuports	
Site Condition/impacts			manuports LI	
natural impacts:	⊠ mod. □ high [ ⊠ mod. □ high [	□ can't tell □ can't tell	Abraded or Pecked features  ☐ grinding grooves: no. of groups.	
□ cultiv'n/plough'g ☑vegn clearn □ mech'l earth mov't/exc ☑ anim □ service easements □ fencing Other/Describe:	nal distnc □ major co □ dam constn □ rub	nstn □ fill bish	groove length: max:groove width: max:	.max:

# Artefact Descriptions Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Green-grey tuff	26	22	9	Flake	Crushing evident along former platform, broad platform. Some minor edge damage (maybe due to treadage).



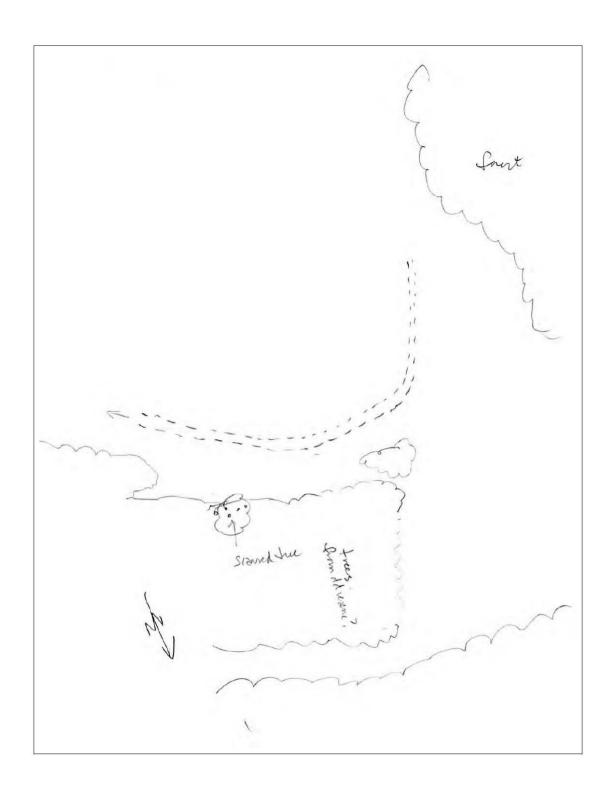
Site Location: WCP71 (following reconstruction of location during present investigation)



Photograph: WCP71 (taken of approximate location during present investigation, 5/3/2013)



ABORIGINAL SCARRED TREE RECORD	
Site Name Field code:WCP124Project code: WCP.	Map Grid Reference: : circle grid type
Recorder K Officer	☐ from mapAGD / GDA
Date 24 August 2004	□ hand held GPS 767322.6418870
Photos film no photo nos	□ differential GPSAGD / GDA
r notos mini no prioto nos	Large scale landscape context
The Tree	□ uppr slopes □ mid slopes ☒ basal slopes □ valley floor
The free	□ coastline □ lake shore
species White or grey box	Small scale landform (tick as many as appropriate)
est. height c 15m	☐ major ridge ☐ crest ☐ escarpment
girth (c1.2m above ground) 2.19m	☑ spurline ☐ break-of-slope ☐ heavy rock outcropping
Condition/health:	□ valley floor ⊠ uppr slopes □ discontinuous outcrops
⊠ excel. □ good □ poor □ v.poor □ dead	☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop
	☐ headland ☐ basal slopes ☐ rock platform(s)
☐ missing crown ☐ major crown limbs missing	☐ indeterminate ☐ talus slope
□ stock damage ☑ die back □ insect attack	□ knoll □ terrace □ minor stream bed/margin
☑ natural scars ☐ hollow ☐ unstable	□ shoulder □ dune □ major stream bed/margin
3 fire scars around base	☐ saddle ☐ sand sheet ☐ lake/wetland bed/margin ☐ alluvial flats ☐ fan ☐ estuary margin
The Scar	
and the state	Bedrock (if exposed)
scar faces: SSW	Existing Vegetation
length (excl. regrowth) 125cm	☑ forest Canopy: Height:
length (incl. regrowth) c200cm	□ woodland □ closed □ >30m
width (excl. regrowth) 23cm	☐ shrubland ☒ open ☒ 10-30m
width (include. regrowth) c90cm	☐ grassland ☐ sparse ☐ 10-4m
regrowth (max. width) 30cm	☐ sedge/wetland ☐ 4-2m ☐ <2m
regrowth (max. depth) 15cm	
height above ground:	Sketch of scar and tree:
base of inside scar 160cmbase of regrowth 130cm	(include outline of scar and your interpretation of original scar extent) (include site location sketch if necessary, use other side if no space)
Features:  □ axe/hatchet marks □ termite activity □ scar surface burnt □ core wood missing □ orig'l scar surface whole/partly missing □ large/small borer holes/tracks  Condition: □ excel. □ good □ poor □ v.poor	Recorded at request of Rose Rye who felt it would be safer to record based on its shape, uniform boundary and position on tree.
Gouge marks suggest impact with vehicle or mechanical device	
Archaeological interpretation	/ 64
Checklist:	5.1
☑ tree is endemic to area	Bet possible garge
☐ tree is at least 100 ys old	merles.
□ scar & regrowth is old enough	1 19 .
⊠ scar does not extend to ground	
☐ scar sides are parallel if extends to ground	De gauge marks
⊠ scar edges are even and regular	
symmetrical	l V
□ other natural and human origins excluded	7.7.
Conclusion about Aboriginal scar origin:	
□ possible □ probable □ most likely	
☐ definite ☑ unlikely	
Alternative interpretations:	1 H Sire sier
Alternative interpretations: Impact from machine.	1 2 Die 2:01
Relatively recent wind rowing and clearing is	Navin Officer Heritage Consultants 2004 v.6
evident nearby	Train or der Homago Gombana and East, 119
	1 A - 7 C - 1 U



Site Location: WCP124 (following re-location during present investigation)



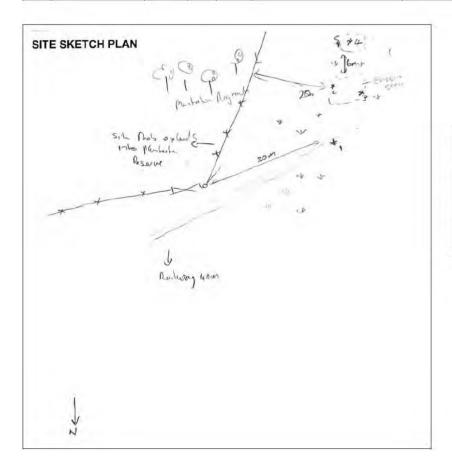
Photographs: WCP124 (taken during present investigation, 24/1/2013)



ABORIGINAL SITE FI	ELD DATA RECORE	ING FORM	M WILPINJONG	COAL PRO	JECT
Site Name Field code:WCP184 Recorder C Dearling		☐ from maximum in from maximu	Reference: apeld GPS 769914.64199 tial GPSeld GPS	 951	AGD / GDA
□ open artefact scatter     □ rock shelter     □ rock art     □ quarry/procurement site     □ grinding grooves	□ surface artefacts □ arch'l deposit □ potential arch'l dep. □ shell □ pigment art □ engraved art □ rock surface feature	□ uppr vall □ coastline  Small scale □ major rid □ spurline □ valley flo □ shoreline □ headland □ indeterm	ey	as appropriate)  color escarpment  do heavy rock of discontinuou discolated tor/of rock platform do talus slope	outcropping us outcrops outcrop n(s)
Site Dimensions (area over which length: 50 width: 30  Gradient: ☑ gen.flat ☐ lot  Aspect: ☑ OPEN ☐N ☐NE ☐E	depthw □ mod. □ high	□ knoll □ shoulder □ saddle □ alluvial fl	□ dune □ □ sand sheet □	estuary margin	ed/margin ed/margin
Site Exposure exposure type: Animal track soil/matrix type: Compacted gr av.exp. incidence 25%. av area over which exp(s) occur . visibility away from site: exp.in-	avelly sandy clay .exp. visibility 85% 50x0.4%	Existing Ve	Canopy:  Ind □ closed  Ind □ open  Ind □ sparse	Height: ☐ >30m ☐ 10-30m ☑ 10-4m ☐ 4-2m	□ <2m
Surface artefact numbers no. actually counted: 6 estimated no.of surface artefact:  □1-5 □16-50 □101-500  □6-15 □50-100□>500	est. average (a/m²) max. (a/m²)	ensity	Artefact description (complete if site has >10 ar flakes modified flakes cores	rtefacts)  ✓ no. p  □	percentage
Other features  shell: {1. isolated/sparse} bone {2. low density} charcoal {3. mod density} hearth {4. high density} evidence of Ab'l quarrying} other	quartz     quartzite     quartzite     silcrete     chert       chalcedony     rhyolite     volcanic     tuff	o artefacts)  o. %	lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores		
contain (more) artefacts: Label have in situ subsurface mat'l	low ⊠ mod. □ high [ low ⊠ mod. □ high [ ] low □ mod. □ high [	□ can't tell	bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports	<ul><li></li><li></li><li></li><li></li><li></li></ul>	
Site Condition/impacts  General rating □ poor ☒ goo visitor/landuse impacts: □ low natural impacts: □ low ☒ cultiv'n/plough'g ☒ vegn cl □ mech'l earth mov't/exc ☒ a □ service easements ☒ fenci Other/Describe:	⊠ mod. □ high □ ⊠ mod. □ high □ earnc □ erosion □ vehi nimal distnc □ major co ng □ dam constn □ rub	□ can't tell □ can't tell icle tracks nstn □ fill obish	Abraded or Pecked f  grinding grooves:  groove length: max groove width: max channels:	no. of grooves no. of groups x: min:	
Caron Describe			□ other:		I

# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Jasper	10	11	3	Broken flake (proximal	Platform preparation; 1 negative scar; edge damage right hand margin
2	Tuff	25	19	3	Flake	4 negative scars; usewear both margins
3	Quartz	16	12	3	Flake	2 negative scars; focal platform
4	Quartzite/tuff	33	53	9	Flake	2 raw materials back to back. Grey quartz and a white tuff rotated core platrforms 5 negative scars.
5	Tuff	20	19	6	Flake	Very coarse material – not good quality; focal platform; 20% reef cortex. Dorsal surface
6	Tuff	44	29	14	Flake	White patina over 90% of surface; 3 negative scars; use wear both margins



- Include:
   north arrow,
   road alignment(s)
   rough scale or
   measurements;
   adjacent features such as
   fenceline, dams, roads,
   buildings;
   compass bearings to
   mapped features.
   for rock shelters include
   back wall, deposit edge,
   extent of overhang &
   dripline, locn of any art.

ABORIGINAL SITE FIEL	D DATA RECORI	DING FOR	M WILPINJON	OOAL	11100201
Site Name Field code:WCP195	•	☐ from m	Reference: apeld GPS 774308.64165		
Date 19 August 2004		<b>I</b>			I
Photos film no photo nos		Li dillerer	ntial GPS		AGD / GDA
- Inclos Illin no photo nos		I arge scal	e landscape context		
	surface artefacts		ley □ mid valley □	basal slop	es 🗆 valley floor
· ·	arch'l deposit	Small scale	e landform (tick as many	as appropria	nte)
	potential arch'l dep. shell	⊠ major rio	dge ⊠ crest	□ escar	pment
	pigment art	□ spurline		☐ heavy	rock outcropping
	engraved art	□ valley flo	oor 🗆 uppr slopes	☐ discor	ntinuous outcrops
	rock surface feature	□ shorelin	e ☐ mid slopes	□ isolate	ed tor/outcrop
□ burial	rook carrace realare	□ headlan	d □ basal slopes	☐ rock p	olatform(s)
□ potential archaeological depos	it	□ indeterm	ninate	☐ talus s	slope
		□ knoll	☐ terrace ☐	minor stre	eam bed/margin
Site Dimensions (area over which ar	tefacts found)	□ shoulde	r □ dune □	major stre	eam bed/margin
length: 5m width: 3m	depth	□ saddle	□ sand sheet □	lake/wetla	and bed/margin
Gradient: □ gen.flat ⊠ low	☐ mod. ☐ high	□ alluvial f	lats □ fan □	estuary n	nargin
Aspect: ☑ OPEN ☐N ☐NE ☐E ☐SE	<del>-</del>	Redrock (if	exposed)		
Proposition of the last last		Bedrock (#	ехрозеа)		
Site Exposure		Existing Vo	egetation		
exposure type: Wash		⊠ forest	Canopy:	Height:	
soil/matrix type: Sandy		□ woodla	and □ closed	□ >30r	m
av.exp. incidence %. av.ex	p. visibility 30%	□ shrubla	and 🗵 open	⊠ 10-3	30m
area over which exp(s) occur	5x3	☐ grassla	and 🗆 sparse	□ 10-4	łm
visibility away from site: exp.inc	% exp.vis%	□ sedge/	wetland	☐ 4-2n	n □ <2m
	SITE COI	NTENTS			
Surface artefact numbers	0200.		Artefact description	(generali	sed recording)
no. actually counted: 2	Surface artefact de	ensity	(complete if site has >10 a	rtefacts)	
		•	1	√ no	o. percentage
estimated no.of surface artefacts:	est. average (a/m²)	1		√ no	o. percentage
⊠1-5 □16-50 □101-500	est. average (a/m²) max. (a/m²) 2	1	flakes	<u> </u>	
	est. average (a/m²) max. (a/m²) 2	1	modified flakes		
⊠1-5 □16-50 □101-500	max. (a/m²) 2		modified flakes cores		
⊠1-5 □16-50 □101-500 □6-15 □50-100□>500	max. (a/m²) 2  Artefact material ty	/pes	modified flakes		
⊠1-5 □16-50 □101-500 □6-15 □50-100□>500  Other features	max. (a/m²) 2	/pes artefacts)	modified flakes cores		
□ 1-5 □ 16-50 □ 101-500 □ 6-15 □ 50-100 □ >500 □ 6-15 □ 50-100 □ >500 □ 6-15 □ 50-100 □ >500 □ 500 □	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts)	modified flakes cores lithic fragments		
☑1-5       ☐16-50       ☐101-500         ☐6-15       ☐50-100       >500             Other features         ☐ shell:       {1. isolated/sparse}         ☐ bone       {2. low density}	Artefact material ty (complete if site has >10  quartz	/pes artefacts)	modified flakes cores lithic fragments secondary flaking		
□ 1-5	Artefact material ty (complete if site has >10  quartz  quartzite	/pes artefacts)	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex		
☑1-5       ☐16-50       ☐101-500         ☐6-15       ☐50-100       >500             Other features         ☐ shell:       {1. isolated/sparse}         ☐ bone       {2. low density}	Artefact material ty (complete if site has >10  quartz  quartzite  silcrete	/pes artefacts)	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths		
	Artefact material ty (complete if site has >10  quartz	/pes artefacts) ). %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades		
	Artefact material ty (complete if site has >10  v no quartz quartzite silcrete chert chalcedony rhyolite	/pes artefacts) ). %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades		
□ 1-5	Artefact material ty (complete if site has >10  v no quartz	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades		
□ 1-5	Artefact material ty (complete if site has >10  quartz   quartzite   chalcedony   rhyolite   volcanic   tuff	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't		
□   □   □   □   □   □   □   □   □   □	Artefact material ty (complete if site has >10  quartz   quartzite   silcrete   chart   chalcedony   rhyolite   volcanic   tuff	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores		
□ 1-5	Artefact material ty (complete if site has >10  quartz   quartzite   chalcedony   rhyolite   volcanic   tuff	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse} □ bone {2. low density} □ charcoal {3. mod density} □ hearth {4. high density} □ evidence of Ab'l quarrying □ other Desc:	Artefact material ty (complete if site has >10  quartz	/pes artefacts) ). %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse} □ bone {2. low density} □ charcoal {3. mod density} □ hearth {4. high density} □ evidence of Ab'l quarrying □ other Desc:	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts)  . %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse} □ bone {2. low density} □ charcoal {3. mod density} □ hearth {4. high density} □ evidence of Ab'l quarrying □ other Desc:	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ hearth {4. high density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2	/pes artefacts) b. % can't tell can't tell can't tell can't tell can't tell	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2  Artefact material ty (complete if site has >10	/pes artefacts) b. % can't tell can't tell can't tell can't tell can't tell	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports		
□1-5 □16-50 □101-500 □6-15 □50-100□>500    Other features □ shell: {1. isolated/sparse □ bone {2. low density □ charcoal {3. mod density □ evidence of Ab'l quarrying □ other	max. (a/m²) 2	/pes artefacts) b. % can't tell	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports	de de la constant de	
Site Condition/impacts   Site Condition/impacts   Site Condition/impacts   Site Condition/impacts:	max. (a/m²) 2	/pes artefacts) b. % can't tell	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports  Abraded or Pecked	features  no. of grown.	poves
Site Condition/impacts  Site Condition/impacts  Site Impacts: □ low natural impacts: □ low nesters  Site Condition/impacts  □ loso-100□>500  Other features □ shell: {1. isolated/sparse} □ bone {2. low density} □ charcoal {3. mod density} □ evidence of Ab'l quarrying □ other Desc: □ low nesters □ low natural impacts: □ low natural impa	max. (a/m²) 2	/pes artefacts) b. % can't tell	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports  Abraded or Pecked  Grinding grooves:  groove length: magroove width: max	features  no. of grown.	poves
Site Condition/impacts   General rating   poor	max. (a/m²) 2	/pes artefacts)  . %	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports  Abraded or Pecked	features  no. of grown.	poves

# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Tuff white	20	23	7	Flake	Photo 1669 & 1670
2	Grey	40	30	18	Pebble broken	Recorded at request of Elia. Late determined by Kelvin to be a pot lid fracture Photo 1671

# SITE SKETCH PLAN

# 11 11 11

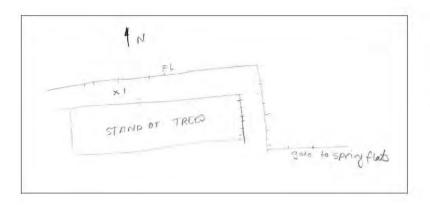
- Include:
   north arrow;
   road alignment(s)
   rough scale or measurements;
   adjacent features such as fenceline, dams, roads, buildings;
   compass bearings to mapped features.
   for rock shelters include back wall, deposit edge, extent of overhang & dripline, locn of any art

ABORIGINAL SITE FIELD	DATA RECORD	ING FORM	MILPINJONG	COAL PR	ROJECT
Site Name Field code:WCP212Pro Recorder Tessa  Date 24 August 2004  Photos film no photo nos. 1		☑ from mand had a different	Reference: ap 767340.6418935 eld GPStial GPS		AGD/GDA
□ open artefact scatter □ ar □ rock shelter □ po □ rock art □ sh □ quarry/procurement site □ piq □ grinding grooves □ er	gment art ngraved art ck surface feature facts found) depth 0	□ uppr vall □ coastline Small scale □ major rid ⊠ spurline □ valley flo □ shoreline □ headland □ indeterm □ knoll □ shoulder □ saddle □ alluvial fl  Bedrock (if	e landform (tick as many age   crest   break-of-slope or   uppr slopes   mid slopes   basal slopes inate   terrace   dune   sand sheet   ats   fan   exposed)	as appropriate)  escarpme heavy rod discontine isolated t rock platf talus slop minor strean major strean lake/wetland	ent ck outcropping uous outcrops or/outcrop form(s) be n bed/margin n bed/margin l bed/margin gin
soil/matrix type: Orange sandy loam av.exp. incidence 10%. av.exp. area over which exp(s) occur contin line visibility away from site: exp.inc70	visibility 70% uous along tree	Existing Ve ☐ forest ☐ woodla ☐ shrubla ☒ grassla ☐ sedge/	Canopy:  nd □ closed  and ☑ open  ind □ sparse	Height: ☐ >30m ☑ 10-30m ☐ 10-4m ☐ 4-2m	□ <2m
Surface artefact numbers	SITE CON	ITENTS	Artefact description	(generalised	d recording)
no. actually counted: 1	Surface artefact de	nsity	(complete if site has >10 ar		
□6-15 □50-100□>500	est. average (a/m²) max. (a/m²) 1		flakes modified flakes cores	<b>-</b>	percentage 
	quartzite 🗆 silcrete 🗖	artefacts)	lithic fragments secondary flaking use wear alluvial cortex microliths	   	
Desc:	rhyolite □ volcanic □ tuff □		backed blades microblades eloueras hatchet head/frag't microblade cores bipolar flake/cores	   	
_	☐ mod. ☐ high ☐ mod. ☐ high ☐ mod. ☐ high ☐	l can't tell	hammerstones anvil stones grinding stones hearth stones manuports	   	
Site Condition/impacts					
natural impacts: ☐ low 区	l mod. □ high □ l mod. □ high □	can't tell can't tell	Abraded or Pecked f ☐ grinding grooves:	no. of groov	s 1
□ cultiv'n/plough'g ⊠ vegn clearnc □ mech'l earth mov't/exc □ animal □ service easements □ fencing □ Other/Describe:	distnc □ major con I dam constn □ rubb	stn □ fill oish	groove length: max groove width: max □ channels: □ other:May be Euro architectural	x: 32m min: 1 :: 3mm max: 1 no ppean or Abor	8mm 10mm iginal

# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Shale	60	33	29		?Portable grinding groove architectural feature.

# SITE SKETCH PLAN



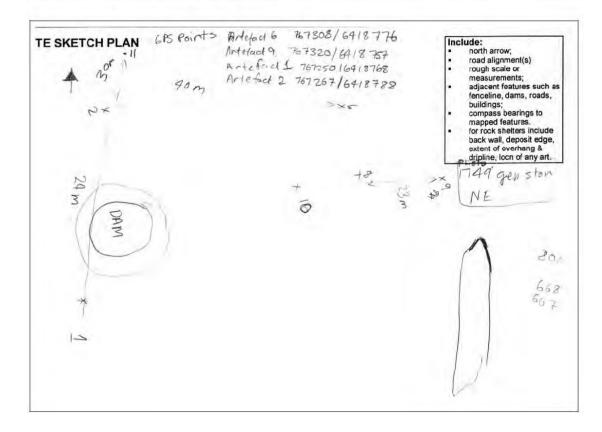
- Include:

  north arrow,
  road alignment(s)
  rough scale or
  measurements;
  adjacent features such as
  fenceline, dams, roads,
  buildings;
  compass bearings to
  mapped features.
  for rock shelters include
  back wall, deposit edge,
  extent of overhang &
  dripline, locn of any art.

ABORIGINAL SITE FIELD DATA RECORD	ING FORM WILPINJONG COAL PROJECT
Site Name Field code:WCP213Project code: WCP Recorder Tessa Date 24 August 2004 Photos film no photo nos.	Map Grid Reference:       circle grid type         ☐ from map       AGD / GDA         ☒ hand held GPS 767250.6418768       AGD / GDA         ☐ differential GPS       AGD / GDA
Site Type: with:  □ isolated find □ surface artefacts □ open artefact scatter □ arch'l deposit □ rock shelter □ potential arch'l dep. □ rock art □ shell □ quarry/procurement site □ pigment art □ grinding grooves □ engraved art	Large scale landscape context  □ uppr valley □ mid valley ☒ basal slopes □ valley floor □ coastline □ lake shore  Small scale landform (tick as many as appropriate) □ major ridge □ crest □ escarpment □ spurline □ break-of-slope □ heavy rock outcropping □ valley floor ☒ uppr slopes □ discontinuous outcrops
☐ midden ☐ rock surface feature ☐ burial ☐ potential archaeological deposit	□ shoreline       ☑ mid slopes       □ isolated tor/outcrop         □ headland       □ basal slopes       □ rock platform(s)         □ indeterminate       □ talus slope         □ knoll       □ terrace       □ minor stream bed/margin
Site Dimensions (area over which artefacts found)  length: 60	□ shoulder       □ dune       □ major stream bed/margin         □ saddle       □ sand sheet       □ lake/wetland bed/margin         □ alluvial flats       □ fan       □ estuary margin         Bedrock (if exposed)
Site Exposure exposure type: Wash small dam construction soil/matrix type: Sandy loam	Existing Vegetation       ☐ forest     Canopy:     Height:       ☐ woodland     ☐ closed     ☐ >30m       ☐ shrubland     ☒ open     ☒ 10-30m       ☒ grassland     ☐ sparse     ☐ 10-4m       ☐ sedge/wetland     ☐ 4-2m     ☐ <2m
SITE CON	ITENTS Artefact description (generalised recording)
Surface artefact numbers no. actually counted: 11	
estimated no.of surface artefacts: □1-5 ⊠16-50 □101-500 □6-15 □50-100 □>500 □6-15 □50-100 □>6-15 □50-100 □-500	modified flakes 🔲
Artefact material ty	in in initial radineris Li
	artefacts)
□ hearth {4. high density □ evidence of Ab'l quarrying □ other	
volcanic ⊠ tuff ⊠	30%10% microblade cores □
Archaeological Potential to:	bipolar flake/cores
be larger than record'd area: □ low ☒ mod. □ high □ contain (more) artefacts: □ low ☒ mod. □ high □ have <i>in situ</i> subsurface mat'l □ low □ mod. □ high □	grinding stones
Site Condition/impacts	·
General rating □ poor ☒ good. □ v.good □ excel. I visitor/landuse impacts: □ low ☒ mod. □ high □ natural impacts: □ low ☒ mod. □ high □	can't tell
□ cultiv'n/plough'g ☑ vegn clearnc ☑ erosion □ vehic □ mech'l earth mov't/exc □ animal distnc □ major con □ service easements □ fencing ☑ dam constn □ rubl Other/Describe:.Strong possibility assocaited with TBM2	cle tracks   no. of groups   groove length: max:   min:   min:   bish   groove width: max:   max:

# Describe the first 10 artefacts & exceptional or representative examples

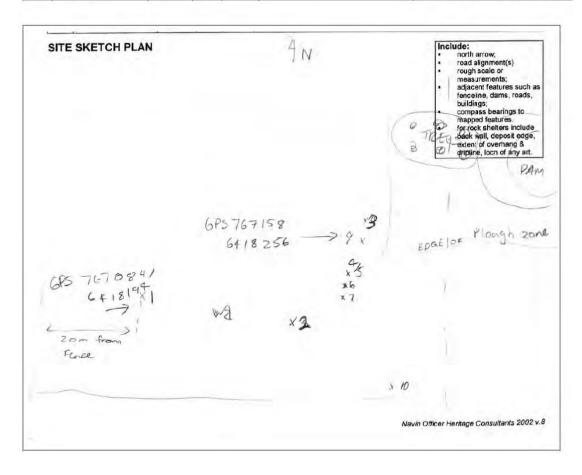
no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Grey volcanic	35	16	7	Flake	Bulb, platform, point of impact, good dorsal scars
2	Light grey volcanic	65	65	15	Axe	Very damaged. Polished on two surfaces
3	Milky rose quartz	25	18	18	Shatter	
4	Tuff green	46	28	15	Edge of scraper or broken flake	Orange weathering
5	Red volcanic	37	28	8	Flake	Dorsal scars, bulb, platform and point of impact not present.
6	Pink/red quartzite	50	36	15	Flake	Cortex on dorsal surface flaked platform
7	Milky rose quartz	22	17	9	Flake	
8	Milky quartz	26	18	10	Flake	
9	Grey fine quartzite	46	18	10	Flake	Good dorsal scars, platform, bulb, probably core spit
10	Oeange pink silcrete	28	17	6	Flake	All diagnostic features and dorsal ridge
11	White quartz	20	10	3	Blade fragment	Central dorsal ridge



ABORIGINAL SITE FIELD DATA RECORD	ING FORM	M WILPINJONG COAL PROJECT
Site Name Field code:WCP216Project code: WCP Recorder Tessa	☐ from ma ☑ hand he ☐ differen  Large scale	Reference:         circle grid type           apAGD / GD/           eld GPS from 767084.6418194 toAGD / GD/           ntial GPS 767457.6418415AGD / GD/           e landscape context
Site Type: with:  □ isolated find □ surface artefacts □ open artefact scatter □ arch'l deposit □ rock shelter □ potential arch'l dep. □ rock art □ pigment art □ grinding grooves □ engraved art □ midden □ rock surface feature □ burial □ potential archaeological deposit	□ coastline  Small scale □ major rid □ spurline □ valley flo □ shoreline □ headland □ indeterm	e landform (tick as many as appropriate)  lge
Site Dimensions (area over which artefacts found) length: 500	□ knoll □ shoulder □ saddle □ alluvial fla  Bedrock (if 6	☐ sand sheet ☐ lake/wetland bed/margin
Site Exposure exposure type: Ploughed paddock	Existing Ve  forest  woodla  shrubla  grassla  sedge/	Canopy:         Height:           and         □ closed         □ >30m           and         □ open         □ 10-30m
SITE CON	NTENTS	Autofact description (newspalies due condinu)
Surface artefact numbers no. actually counted: 10	ensity	Artefact description (generalised recording) (complete if site has >10 artefacts)
estimated no.of surface artefacts: □1-5 ⊠16-50□101-500 □6-15 □50-100□>500  est. average (a/m²) max. (a/m²) 3/10m²	1/10m <sup>2</sup>	✓         no.         percentage           flakes         □            modified flakes         □            cores         □
Other features Artefact material ty	-	lithic fragments
Other features  ☐ shell: {1. isolated/sparse} ☐ bone {2. low density} ☐ charcoal {3. mod density} ☐ hearth {4. high density} ☐ (complete if site has >10	). %	secondary flaking  use wear  alluvial cortex  See TBM23 for  combined ratios
□ evidence of Ab'l quarrying □ other  Desc:		microliths
		hatchet head/frag't
Archaeological Potential to: be larger than record'd area: ⊠ low □ mod. □ high □	an't tell	microblade cores  bipolar flake/cores   microblade cores   microblade   microblade cores   microblade   micro
contain (more) artefacts: □ low ☑ mod. □ high □ have in situ subsurface mat'l □ low □ mod. □ high □	can't tell	hammerstones  anvil stones  grinding stones
Site Condition/impacts		hearth stones  manuports  manuports
General rating ☑ poor ☐ good. ☐ v.good ☐ excel.  visitor/landuse impacts: ☐ low ☐ mod. ☒ high ☐ natural impacts: ☐ low ☒ mod. ☐ high ☐	can't tell	Abraded or Pecked features  ☐ grinding grooves: no. of grooves
☑ Extreme cultiv'n/plough'g ☐ vegn clearnc ☐ erosion tracks ☐ mech'l earth mov't/exc ☐ animal distnc ☐ ma☐ fill ☐ service easements ☐ fencing ☐ dam constn ☐ Other/Describe: Should be included with data from TBM	ijor constn ⊐ rubbish	no. of groups

# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Milky quartz	50	40	37	Core	Good angles (platforms). 3 distinct scars
2	White quartz	25	8	8	Flake	Triangular crossection.
3	White quartz	28	20	4	Flake	Good quality quartz
4	Milky quartz	30	25	6	Flake	
5	White quartz	37	20	7	point	
6	White quartz	30	14	10	Possible broken poing	
7	White quartz	30	14	10	Fragment triangular crossection	
8	Clear quartz	24	20	6	Flake	Good bulb, point of percussion broker proximal end.
9	Light green silcrete	27	22	10	Scraper	Sharpening scars
10	White quartz	18	10	5	Flake	Good platform broken on proximal end.



ABORIGINAL SITE FIELD DATA RECORDING FORM WILPINJONG COAL PROJECT Map Grid Reference: circle arid type Site Name Field code: WCP216..... Project code: WCP...... AGD / GDA ☐ from map.. Recorder Tessa ..... ☑ hand held GPS from 767084.6418194 to ....... AGD / GDA Date 24 August 2004 ..... ☐ differential GPS 767457.6418415 ......AGD / GDA Photos film no. ..... photo nos. ..... Large scale landscape context Site Type: with: □ uppr valley □ mid valley ☒ basal slopes □ valley floor ☐ isolated find ☐ surface artefacts □ coastline ☐ lake shore ☐ arch'l deposit Small scale landform (tick as many as appropriate) □ rock shelter □ potential arch'l dep. □ major ridge □ crest □ escarpment □ shell □ rock art ☐ spurline ☐ break-of-slope ☐ heavy rock outcropping ☐ quarry/procurement site ☐ piament art □ valley floor ⊠ uppr slopes ☐ discontinuous outcrops ☐ grinding grooves ☐ engraved art ☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop ☐ rock surface feature □ midden □ headland ☐ basal slopes ☐ rock platform(s) □ burial □ indeterminate ☐ talus slope □ potential archaeological deposit □ knoll □ terrace ☐ minor stream bed/margin Site Dimensions (area over which artefacts found) □ shoulder ☐ dune ☐ major stream bed/margin length: ..... width: ..... depth...... □ saddle □ sand sheet □ lake/wetland bed/margin ☐ alluvial flats ☐ fan Gradient: ☐ gen.flat ☐ low ☐ mod. ☐ high ☐ estuary margin Aspect: 

OPEN ON ONE OF OSE OS OSW OW ONW Bedrock (if exposed) ..... Existing Vegetation Site Exposure □ forest Canopy: Height: exposure type:.... □ woodland □ closed □ >30m soil/matrix type: □ shrubland ⊠ 10-30m open av exp\_incidence %. av.exp. visibility......% □ grassland □ sparse □ 10-4m area over which exp(s) occur .....x ☐ sedge/wetland Paddock; no vegetation ☐4-2m ☐ <2m visibility away from site: exp.inc......% exp.vis.....% SITE CONTENTS Artefact description (generalised recording) Surface artefact numbers (complete if site has >10 artefacts) Surface artefact density no. actually counted: 69 including TBM22B ..... no. percentage est. average (a/m²) 2/10m²..... estimated no.of surface artefacts: ...90%.... max. (a/m<sup>2</sup>) 3/10m<sup>2</sup>..... flakes 🗵 □1-5 □16-50 図101-500 modified flakes ..... □6-15 □50-100□>500 .... 5%... cores 🗵 ...... Artefact material types lithic fragments (complete if site has >10 artefacts) Other features secondary flaking no. % ..... ☐ shell: {1. isolated/sparse ...... ..83... use wear quartz 🖂 ..... □ bone {2. low density alluvial cortex ☐ charcoal {3. mod density quartzite ..... ..... ... silcrete 🗵 ..... ..2.5. ☐ hearth {4. high density microliths chert □ □ evidence of Ab'l quarrying ..... backed blades □ ..... chalcedony □ □ other...... microblades □ ..... rhvolite □ eloueras  $\square$ ..... .2.5... volcanic 🗵 hatchet head/frag't ..... tuff 🗵 ...... ..12... microblade cores 🗵 ....1%.... ..... bipolar flake/cores □ ..... ..... Archaeological Potential to: Point scrapers 🗵 ....4%... ..... be larger than record'd area: □ low □ mod. ☒ high □ can't tell anvil stones □ ..... contain (more) artefacts: □ low □ mod. ⊠ high □ can't tell grinding stones have *in situ* subsurface mat'l □ low □ mod. □ high ⊠ can't tell hearth stones ..... manuports ......... Site Condition/impacts General rating □ poor ☒ good. □ v.good □ excel. □ can't tell Abraded or Pecked features visitor/landuse impacts: □ low □ mod. ⊠ high □ can't tell □ low ⊠ mod. ☐ high ☐ can't tell ☐ grinding grooves: no. of grooves ...... no. of groups ..... ☑ cultiv'n/plough'g ☑ vegn clearnc ☑ erosion ☐ vehicle tracks groove length: max: ..... min: ..... ☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill groove width: max:..... max:..... □ service easements □ fencing □ dam constn □ rubbish channels: Other/Describe: Should be included with data from TBM22B

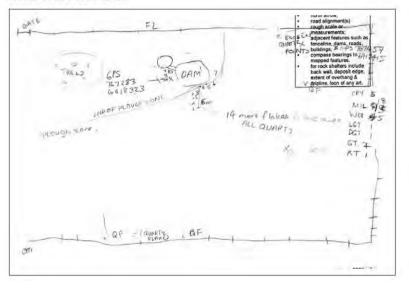
# Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	Pink Chalcedony quartz	20	12	10	Flake	
2	Milky quartz	38	20	10	Flake	
3	Milky quartz	34	20	20	Core	
4	White quartz	25	30	10	Flake	
5	Clear milky quartz	34	25	27	Core	
6	Milky quartz	18	12	4	Flake	
7	Green tuff	30	11	4	Flake from blade core	
8	Red tuff	28	24	5	Flake	
9	White quartz	34	28	15	Scraper possibly	
10	Volcanic	38	28	5	Flake	

Other materials present: dark grey tuff, light grey tuff, green tuff, 6 grey banded tuff, 1 core exhausted very fine pink quartzite. 40x15x15

Other artefacts counted but not measured: Crystal quartz = 6; milky quartz = 18; white quartz = 5; light grey tuff = 1; green tuff = 4; red tuff = 1; quartz = 14 (colour not recorded)

# SITE SKETCH PLAN



- Include:
   north arrow;
   road alignment(s)
   rough scale or

- rough scale or measurements; adjacent features such as fenceline, dams, roads, buildings; compass bearings to mapped features. for rock shelters include back wall, deposit edge, extent of overhang & dripline, locn of any art.

ABORIGINAL SITE		FIELD DAT	A RECORDI	NG FORM				
Site Name Field code:NH2Project code:WCP259			nap □ GPS GD66 □ WG	SS84(GDA)				
Site Type: with:  Site Type: with:  Site Isolated find	major ridge							
exposure type: stock track soil/matrix type: sandy gravel av.exp. incidence 20 %. av.exp.vis'y 80 % area with exp(s)	☐ forest ☐ woodla ☐ shrubla ☐ grassla ☐ sedge/	and ☐ closed and ☐ open and ☐ sparse	Height:   >30m   10-30m   10-4m   4-2m	□ <2m				
Surface artefact numbers no. actually counted: 1  estimated no.of surface artefacts:  1-5  16-50  101-500  6-15  50-100  >500		Artefact description (complete if site has >10 at	tefacts)  ✓ no.	percentage				
Other features  ☐ shell: {1. isolated/sparse} ☐ bone {2. low density} ☐ charcoal {3. mod density} ☐ hearth {4. high density} ☐ evidence of Ab'l quarrying ☐ other	artefacts)	modified flakes cores lithic fragments secondary flaking use wear alluvial cortex microliths backed blades microblades eloueras						
Archaeological Potential to:		hatchet head/frag't microblade cores	<ul><li></li></ul>					
be larger than record'd area: 図 low ☐ mod. ☐ high ☐ contain (more) artefacts: 図 low ☐ mod. ☐ high ☐ have subsurface mat'l: 図 low ☐ mod. ☐ high ☐ have in situ mat'l: 図 low ☐ mod. ☐ high ☐	] can't tell ] can't tell	bipolar flake/cores hammerstones anvil stones grinding stones hearth stones manuports	   					
Site Condition/impacts  General rating □poor □ good. □ v.good □ excel. □ visitor/landuse impacts: □ low □ mod. □ high □ natural impacts: □ low □ mod. □ high □ cultiv'n/plough'g □ vegn clearnc □ erosion □ vehic □ mech'l earth mov't/exc □ animal distnc □ major con □ service easements □ fencing □ dam constn □ rubi	can't tell can't tell can't tell cle tracks	Abraded or Pecked  grinding grooves:  groove length: max groove width: max	no. of grooves no. of groups. x:min	•				

other:....

Artefact Descriptions
Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thick	artefact type	features/comments
1	White quartz	19	12	7	Flake	
	7					

SITE SKETCH	PLAN	
	Road	
1		-

- Include:

  north arrow;

  road alignment(s)

  rough scale or
  measurements;
  adjacent features such as
  fencellne, dams, roads,
  buildings;
  compass bearings to
  mapped features
  for rock shelters include
  back wall, deposit edge,
  extent of overhang &
  dripline, loon of any art.



# Aboriginal Sites Register of NSW NPWS, PO Box 1967, Hurstville NSW 2220 Standard Site Recording Form

New Recording ⊠ Additional

information					
Site name	WE52	E IDENTIFIC		PWS Site	
Site name	VVE32			umber	
Owner/manager	Wilpinjong Coal Mine				
Owner Address	Wollar Rd, Wilpinjong,	NSW			
Location		LOCATIO	N		
How to get to the site					
1:250,000 map name			NPWS	S map code	
AMG Zone	56 AMG Eastin	ng 767537	AMG	Northing	6417937
Method for grid reference	Topographic map	Map scale (if method =	1:25,000	Map name	Wollar 8833-2-N
NPWS District		map)	NPWS	S Zone	
Portion no.			Parisl		
		TE DESCRIF			
Site type(s)	Rockshelter			ype code S use only)	
contents CHECKLIST: eg. length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock. DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types. ART: area of decorated surface, motifs, colours, wet/dry pigment, engraving technique, no. of figures, sizes, patination. BURIALS: number & condition of bone, position, age, sex, associated artefacts. TREES: number, alive, dead. likely age, scar shape, position, size, patterns, axe marks, regrowth. QUARRIES: rock type, debris, recognisable artefacts, percentage quarried	Potential Archaeologica  PAD rating  Mod  Attach photographs and Do NOT dig, disturb or deligations are also as a second content of the conte	Dim L 6	an & section of sl	8	eposit Depth (cm)

Data entered by:

Date entered:

Version: June 1998



# **Aboriginal Sites Register of NSW**NPWS, PO Box 1967, Hurstville NSW 2220 Standard Site Recording Form

	SITE ENVIRONMENT													
Land form	Upper V	/alley: escarpment			spect		Slope	Moderate						
Mark position of the site				-			_							
Local rock type				La	and use/effect									
Distance from drinking water				Sc	ource									
Resource zone (eg. estuarine, river, forest)	Escarpi	ment		Ve	egetation	Oper	n Woodlan	d (10-30m high)						
Edible plants					aunal resources nclude shellfish)									
Other exploitable resources (eg. ochre)														
Are there other sites in the locality	Yes Are they in the Sites Register No				ther site types clude		ated Finds	Open artefact Scatters, , Waterholes, Scarred						
		SITE MANAGEMENT												
Site condition	Good		Low vis	itor	/landuse and natural	impac	ts							
Management recommendations														
Have artefacts been removed from site	No				When									
By whom					Deposited at									
Consent applied for	$\boxtimes$				Consent issued									
Date of issue					Consent number									
					ND RECORDIN									
Reason for investigation	Suppler						Indigenou	us heritage resources						
Were local Aborigines contacted or present for the recording	Cont	tacted and	lames and ddresses		ATSIC Ben Mobbs: Mudgee North East Wiradjuri NTC									
Is the site important to local Aborigines	Not Sig	gnificant												
Verbal/written reference sources							report ber(s)	C- C-						
Photographs taken	Yes					No o attac	f Photos ched	1						
Site recorded by	Sam Pla					Date reco	of rding	23/06/06						
Address/institution		del Archaeologica x 440 Picton NSW		į										

# APPENDIX 2.

# ARCHAEOLOGICAL SURVEY COVERAGE DATABASE

# Key:

Vegetation: 1 = cleared/grass/crop; 2 = forest/bush/regrowth;

Land Surface: 1 = sheet erosion; 2 = gully erosion; 3 = stream bank erosion; 4 = vegetated; 5 = modified;

Erosion = E, Depositional = D;

Detection Limiting Factors: 1 = vegetation; 2 = leaf litter/gravel; 3 = sediment deposition; 4 = other.

# of artefacts: Only relates to sites within present investigation area as recorded during current survey.

WILPINJONG MODIFICATION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE

Соттепіз	dense grass; moderate disturbance due to previous vegetation removal; bisected by Ulan- Wollar Road (modified)	dense grass except for Telstra cable and animal track; sandy, wet; gravel - poor quality	erosion scours	dense grass; very limited visibility; could not relocate WCP259	dense grass; near creek; moderate potential but very small impact area	earthworks; soil disturbance due to excavator and erosion	entrance road to mine; grass over fence	cleared track along fenceline; old earthworks; erosional pits, low potential	borrow pits, earthworks, mostly fill	grass area north-west section; almost moderate slope; area contains open forest and grass; tuffaceous stone across slope, some very iron rich; approximately 2 artefacts in site WCP438 in modification area, another 25 artefacts recorded immediately east of study area (not included in this sample)	almost gentle slope; tuffaceous stone, quartz and sandstone cobbles present on moderate slope; cleared, pastoral use; borders steep forested slope (fenceline); east portion contains regrowth pines and prickly bushes	grassy area; exposed outcrops; vehicle track
Artefact Density/m² of Effective Survey Coverage		0.062	,	4				á	÷	90000	0.002	0.001
Extent of Rock Outerop (%)		,	r	,	r	•	r			01>	V10	<10
Воск Опістор Гогт										outcrop	outcrop	outcrop
Reck Outerop Material		Y							,	tuff	sandstone	sandstone
# of Artefacts (open sites)	0	7	0	0	0	0	0	0	0	2	4	-
ЕЙесйvе Ѕшvеу Соvетяge	16	32	1,200	14	12	18	20	96	24	360	1920	1504
Ground Disturbance	pom	pou	low	-wol	pom	рош	high	- bom high	mod -	wol	low	low - mod
Archaeological Visibility %	0.5%	2%	20%	0.5%	0.5%	1%	2%	2%	1%	2%	20%	0.5-90
Detection Limiting Factors	-	-	1	-	1	-	1	-	1	-	-	Ą,
Surface Visibility (%)	0.5	5	20	0.5	0.5	09	S	20	40	8	50	0.5-90
( <sup>2</sup> m) sərA əlqms2 lstoT	3,200	1,600	2,400	2,880	2,400	1,760	400	1,920	2,400	7,200	009'6	4,200
Erosional/ Depositional	Q	E/D	E/D	E/D	Щ	E/D	E/D	E	E/D	ш	ш	E/D
Exposure Type (Horizon)	A	V	V	V	A	A/B	Y	A	A/B	<	V	V
Land Surface	4	4	4	4	4	1,4	4,5	4,5	4.5	-	4	1,4,
Тедега тіоп	2	-	-	2	-	-		- 1	-	1,2	-	-
Distance to Water (metres)	>50	>50	>50	>50	<50	<50	>50	>50	<50	>50	>50	>50
Slope	level - very gentle	level - very gentle	level - very gentle	level - very gentle	gentle	gentle	gentle	gentle	gentle	gentle	moderate	gentle
Landform Element	simple	spur crest	simple slope	spur crest	simple slope	drainage depression	simple slope	simple slope	drainage depression	simple	simple slope	simple slope
БэтА үэтшг	WM1	WM2	WM3	WM4	WMS	9WM	WM7	WM8	6WM	WM10	WMII	WM12

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Соттепія	major erosion scours on steep slope caused by vegetation removal and cattle, minor quartz, abundant sandstone gravel, minor outcrops, some claystone/siltstone like where ochre nodules form		ochrous material - yellow/orange	erosion scours among dense grass; tuffaceous, ochre material	hillock on ridge	grassy crest between two knolls	prominent knoll/hillock; box regrowth around; exposed (eroded) claystone and sandstone; good vantage point for surrounding area	erosion scours; steep slope around hillock	almost gentle slope	farm dam		dense grass	dense grass	dense grass; erosion scour	erosion and earthworks; low potential but appears to be heavily disturbed by adjacent mining operations; dozer tracker present along edge of pit; potentially a quantity of fill; ignored microtopography
Artefact Density/m² of Effective Survey Coverage			,	ı	ŷ.	0.023		1		1.	Ŷ		r	i	7
Extent of Rock Outerop (%)	0	<10	<10	<10	v.	,	10-50	10-50	10-50	<10	<10	i	í	<10	1-
Коск Оиістор Готт	do	outcrop	outcrop	outcrop			open surface, 1 outcrop	outcrop	outcrop	outcrop	outcrop		•	outcrop	
Rock Outerop Material	sandstone	sandstone and tuffaceous	tuffaceous	ochre	1		sandstone	tuff	sandstone and tuff	sandstone	tuffaceous			tuffaceous	
(eptiz nego) startefacts (open sites)	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0
Effective Survey Coverage (m²)	CO.	32	100	1760	09	480	84	20	40	09	64	4	4	28	88
Эгоинд Disturbance	- wol	low	low	low	wol	low	low	low	low	low	low	low	low	low	high
Агсияеоlogical Visibility %	70-90	10%	%05	20%	2%	2%	%02	9%5	2%	2-60	2%	%1	1%	1-90	1-10
Detection Limiting Factors	-	1	1	-	-	-	-	1	1	-	1	-	-	_	1,3
Surface Visibility (%)	70-90	08	90	20	S	S	70	S	2	2-60	2	1	1	1-90	1-80
(m) sorA olyme2 letoT	2,800	320	200	8,800	1,200	009*6	120	1,000	2,000	1,200	3,200	400	400	460	5,200
Erosional/ Depositional		E	Ε	ш	E/D	Ш	田	П	Ш	ш	E/D	Щ	П	ш	E/D
Exposure Type (Horizon)	A/B	Y	A	A/B	<	<	A	A	4	Y	A	K	A	4	A/B
Land Surface	1,2	1,4	4	1,4	4	4	-	1,4	4	4,5	4	4	4	1,4	4,5
подязэдэ.	1.2	1,2	1,2	1	1	1	1,2	-	1,2	1,2	1,2	1	1	-	-
Distance to Water (metres)	>50	<\$0	<50	>50	>50	>50	>50	>50	>50	<\$0	<50	<50	<50	<50	>50
Slope	steep	steep	steep	steep	level - very gentle	level - very gentle	level - very gentle	moderate	moderate	moderate	gentle	moderate	moderate	moderate	moderate
Landform Element	simple	drainage depression	spur crest	simple slope	hillock	ridge crest	hillock	simple slope	spur crest	drainage depression	spur crest	simple slope	drainage depression	simple	simple
унгусу Агеа	WMI3	WM14	WM15	WM16	WM17	WM18	6IWM	WM20	WM21	WM22	WM23	WM24	WM25	WM26	WM27

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Сопппепб	erosion and earthworks; low potential but appears to be heavily disturbed by adjacent mining operations; dozer tracker present along edge of pit; potentially a quantity of fill	erosion and earthworks; low potential but appear to be heavily disturbed by adjacent mining operations; dozer tracker present along edge of pit; ignored microtopography	erosion scours; vehicle track along southern fence; disturbed around dam; grassy paddocks; almost broad shallow drainage; almost very gentle gradient; very undulating bumpy surface from previous ploughing	grassy Iow, residual bedrock spur	pastoral use; road; extensive site; broad very gende crest, almost a terrace and slope almost gendle in portions; east of Cumbo Creek; high potential for deposits of research value; low disturbance - vegetation removal, pastoral use, erosion; minor quartz and tuffaceous stone; probably many more artefacts sub-surface and obscured by vegetation; mostly dense grass; several rock stockpiles (farming related); probably deep deposits (>1 metre)	disturbance from previous vegetation removal, logging and vehicle tracks; low potential	cleared, grassy area in parts; Transgrid crosses just to east; almost very gentle gradient	modest amount of tuff and tuffaceous material present; ironbark, box and apple gum in forest; affected by previous logging	forest; site on entrance road; dense leaf litter	head of drainage; low potential
Artefact Density/m² of Effective Survey Coverage		r	0.003	7	0.100		1	i	0.025	
Extent of Rock Outerop (%)		i-	<10	10-50	r.	<10	<10	10-50	•	<10
Воск Опістор Гогт		9 ]	open surface, outcrop	outcrop	Ī	outcrop	open surface,	.55	2	open surface,
Rock Outerop Material	τ	x_	sandstone	tuffaceous		sandstone	sandstone	sandstone	,	sandstone
# of Artefacts (open sites)	0	0	S	0	091	0	0	0	3	0
Effective Survey Coverage	38	16	1696	36	1680	1090	06	270	120	120
Ground Disturbance	low- high	low- high	low	low	low	low	low	low	low	pom
Archaeological Visibility %	1-10	1-10	1-60	10%	2-60	10-80	10%	2%	2%	20%
Detection Limiting Factors	1,3	1,3	-	1	<u>.</u>	1,2	1,2	1,2	1,2	1,2
Surface Visibility (%)	1-80	1-80	1-70	10	2-60	10-80	10	5	v	90
Total Sample Area (m²)	800	520	28,000	360	17,100	5,300	006	5,400	2,400	240
Erosional/ Depositional	E/D	E/D	E/D	ш	E/D	E/D	E/D	ш	ш	Э
Exposure Type (Horizon)	A/B	A/B	٧	V	A	A	A	A	A	A
Land Surface	4,5	4,5	1, 4, 5	1,4	4	4,5	1,4	4	4	4,5
иойя1эgэ√	1	1	1	1	1	1,2	1,2	7	2	1,2
Distance to Water (metres)	<20	>>0	>20	>50	>50	05<	>50	>50	>50	<50
Slope	gentle	moderate	gentle	level - very gentle	gentle	gentle	gentle	moderate	gentle	gentle
Гандfогт Еlетпепі	drainage	sinple	simple	spur crest	spur crest	ridge crest	ridge crest	simple slope	simple	drainage
гэлү Хэлтг	WM28	WM29	WM30	WM31	WM32	WM33	WM34	WM35	WM36	WM37

WILPINJONG MODIFICATION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE

соттепся	ignored microtopography; parts almost drainage; pine, regrowth forest; some sandstone outcrops; minor quartz gravel			
Artefact Density/m² of Effective Survey Coverage	i.			
Eztent of Rock Outerop (%)	<10			
Воск Оиістор Form	open surface, boulder, outcrop			
Rock Outerop Material	sandstone			
# of Artefacts (open sites)	0			
ЕПесите Survey Coverage (m²)	1424			
Ground Disturbance	low			
Агсhаeological Visibility %	56-5		P.	
Petection Limiting Factors	1,2		ated; 5 = modified	- other
Surface Visibility (%)	56-5		getated; 5	sition; 4 = other
Total Sample Area (m²)	12,160		ion; 4 = veg	liment depo
ЕгосіоняІ/ Depositionаl	Ξ		ink eros	$3 = \sec$
Exposure Type (Horizon)	<	vth	ream ba	gravel;
Land Surface	4	vregro	3 = st	af litter
леде <b>tя</b> йоп Уе <b>g</b> еtяйоп	7	est/bus	erosion	3 = 16
Distance to Water (metres)	>20	2 = for	gully e	etation
Slope	gentle	= cleared/grass/crop; 2 = forest/bush/regrowth	erosion; 2=	$arc{1} = veg$
Гандіогт Еlетепі	simple		and Surface - $1 =$ sheet erosion; $2 =$ gully erosion; $3 =$ stream bank erosion; $4 =$ vegeta	Detection Limiting Factors - 1 = vegetation; 2 = leaf litter/gravel; 3 = sediment deposit
голгод Агея	WM38	Vegetation - 1	Land Surfac	Detection L