

**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 FIELD DATA RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP1.....Project code: WCP .....  
Recorder: C Dearling  
Date 10 August 2004 .....  
Photos film no. photo nos. 1/2 from North Lockey South.

Map Grid Reference: circle grid type  
☐ from map.....AGD / GDA  
☒ hand held GPS 772 780.6418100 .....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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

Site Dimensions (area over which artefacts found)  
length: 100 ..... width: 5 25 ..... depth.....  
Gradient: ☐ gen.flat ☐ low ☐ mod. ☐ high  
Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

Site Exposure  
exposure type: Denuded gravel outcrop.....  
soil/matrix type: gravels within dull grey silt.....  
av.exp. incidence 50%. av.exp. visibility..... 45%  
area over which exp(s) occur ..... 100 x 100.....  
visibility away from site: exp.inc...40% exp.vis <10%

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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☒ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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 .....

Existing Vegetation  
☐ forest ☐ Canopy: ☐ Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☒ grassland ☒ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

SITE CONTENTS

Surface artefact numbers  
no. actually counted: 12  
estimated no. of surface artefacts:  
☐ 1-5 ☐ 16-50 ☐ 101-500  
☐ 6-15 ☒ 50-100 ☐ >500

Surface artefact density  
est. average (a/m<sup>2</sup>) 0.1  
max. (a/m<sup>2</sup>) 3 .....

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 types  
(complete if site has >10 artefacts)  
☒ no. %  
quartz ☒ .....  
quartzite ☒ .....  
silcrete ☐ .....  
chert ☐ .....  
chalcedony ☐ .....  
rhyolite ☐ .....  
volcanic ☒ .....  
tuff ☒ .....  
bonded FGS ☒ .....

Archaeological Potential to:  
be larger than record'd area: ☐ low ☐ mod. ☐ high ☐ can't tell  
contain (more) artefacts: ☐ low ☐ mod. ☐ high ☐ can't tell  
have in situ subsurface mat'l ☐ low ☐ mod. ☐ high ☐ can't tell

Site Condition/impacts  
General rating ☒ poor ☐ good. ☐ v.good ☐ excel. ☐ can't tell  
visitor/landuse impacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
natural impacts: ☒ low ☐ mod. ☐ high ☐ can't tell  
☒ cultiv'n/plough'g ☒ vegn clearnc ☒ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☒ fencing ☐ dam constn ☐ rubbish  
Other/Describe:.....  
.....  
.....

Artefact description (generalised recording)  
(complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input type="checkbox"/>	.....	.....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

Abraded or Pecked features  
☐ grinding grooves: no. of grooves .....  
no. of groups .....  
groove length: max: ..... min: .....  
groove width: max: ..... max: .....  
☐ channels: no. ....  
☐ other: .....

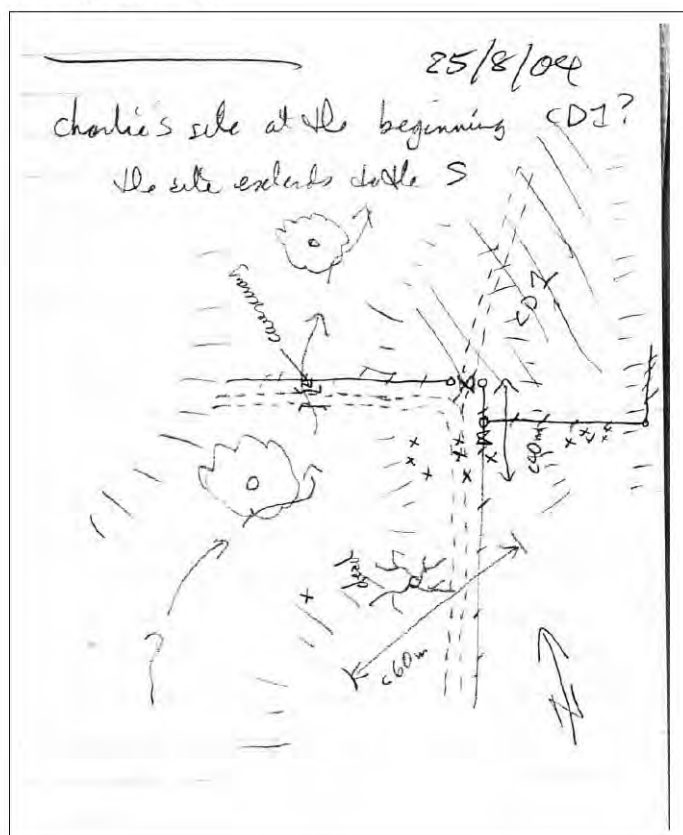
<sup>18</sup> Refer to Appendix 3 for new detailed recording of site undertaken during present investigation.

## 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	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 DATA RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP2 Project code: WCP  
Recorder C Dearling  
Date 10 August 2004  
Photos film no. photo nos.

Map Grid Reference: circle grid type  
☐ from map AGD / GDA  
☒ hand held GPS 772830.6418340 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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

Site Dimensions (area over which artefacts found)  
length: 10 width: 10 depth:  
Gradient: ☐ gen.flat ☒ low ☐ mod. ☐ high  
Aspect: ☐ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☒ SW ☐ W ☐ NW

Site Exposure  
exposure type: Erosion Scour  
soil/matrix type: Gravels - Sedimentary  
av.exp. incidence 40% av.exp. visibility 40%  
area over which exp(s) occur 20 x 20  
visibility away from site: exp.inc. 10% exp.vis <15%

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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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) Sandstone

Existing Vegetation  
☐ forest ☐ Canopy: Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☒ grassland ☒ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

Surface artefact numbers  
no. actually counted:  
estimated no. of surface artefacts:  
☐ 1-5 ☐ 16-50 ☐ 101-500  
☐ 6-15 ☐ 50-100 ☐ >500

Surface artefact density  
est. average (a/m<sup>2</sup>)  
max. (a/m<sup>2</sup>)

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 types  
(complete if site has >10 artefacts)  
☒ no. %  
quartz ☐  
quartzite ☐  
silcrete ☐  
chert ☐  
chalcedony ☐  
rhyolite ☐  
volcanic ☐  
tuff ☐  
☐

Archaeological Potential to:  
be larger than record'd area: ☐ low ☐ mod. ☒ high ☐ can't tell  
contain (more) artefacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
have in situ subsurface mat'l ☐ low ☒ mod. ☐ high ☐ can't tell

Site Condition/impacts  
General rating ☒ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell  
visitor/landuse impacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☒ cultiv'n/plough'g ☒ veg'n clearnc ☒ erosion ☐ vehicle tracks  
☒ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☒ dam constn ☐ rubbish  
Other/Describe:

## Artefact description (generalised recording)

(complete if site has >10 artefacts)  
✓ no. percentage  
flakes ☐  
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 ☐

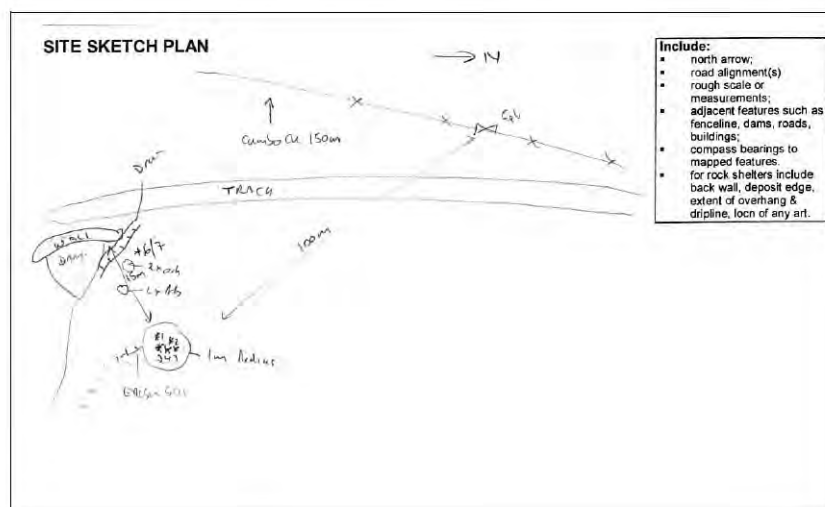
## Abraded or Pecked features

☐ grinding grooves: no. of grooves  
no. of groups  
groove length: max: min:  
groove width: 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	







## Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

### Standard Site Recording Form

SITE IDENTIFICATION			
Site name	WCP58		NPWS Site #
Owner/manager	Wilpinjong Coal Pty Ltd		
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	771900	AMG Northing
Method for grid reference	1:25000 map	Map scale (if method = map)	1:25,000 Map name
NPWS District Name (see map)			NPWS Zone (see map)
Portion no.			Parish
SITE DESCRIPTION			
Site type(s)	Reported place of cultural significance		Site type code (NPWS use only)
<p><b>Description of site and contents</b>            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 &amp; 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 &amp; 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</p>	<p>Attach photographs and sketches, eg. plan &amp; section of shelter.  <b>Do NOT dig, disturb or damage site or contents.</b></p> <p>This recording consists of a prominent knoll, with an elevation of just over 440 m AHD, which is situated on a north-south aligned ridgeline. It was identified as a site of special significance to women by two younger Aboriginal survey participants, representatives of the Murong Gialinga ATSIC. The initial perceptions of these recorders were later supported by some older female members of the Mudgee LALC and Murong Gialinga ATSIC who visited the site during a community field inspection. It was also their belief that the significance of the site extended southward along the ridgeline to the large art site WCP72. Other visitors from these organisations were less committal in expressing their views and some have expressed reservations about the site identification.</p> <p>Members of the Warrabinga NTCAC who visited the same area, including older women, voiced an opposing interpretation. They do not believe the knoll and ridgeline have any particular or special cultural significance.</p>		



# Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

## Standard Site Recording Form

SITE ENVIRONMENT					
Land form	Knoll and ridgeline	Aspect		Slope	
Mark position of the site					
Local rock type		Land use/effect			
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 in the Sites Register	some	Other site types include	
SITE MANAGEMENT					
Site condition	See Report				
Management recommendations	See Report				
Have artefacts been removed from site	unknown		When		
By whom			Deposited at		
Consent applied for	<input type="checkbox"/>	Consent issued		<input type="checkbox"/>	
Date of issue			Consent number		
SITE INSPECTION AND RECORDING					
Reason for investigation	EIS assessment for Wilpinjong Coal Mine				
Were local Aborigines contacted or present for the recording	<input type="checkbox"/> Not contacted <input checked="" type="checkbox"/> Contacted and present <input type="checkbox"/> Contacted but not present	Names and addresses	Warrabinga Native Title Claimants Aboriginal Corporation 525 Pheasants Nest Road Pheasants Nest NSW 2574  Murong Gialinga Aboriginal and Torres Strait Islander Corporation PO Box 1097 Mudgee NSW 2850  Mudgee Local Aboriginal Land Council PO Box 1098 Mudgee NSW 2850		
Is the site important to local Aborigines					
Verbal/written reference sources	1. Navin Officer Heritage Consultants 2005 Wilpinjong Coal Project. Appendix F. Aboriginal Heritage Assessment. Report for Wilpinjong Coal.		ASR report number(s) (or title)	C- C-	
Photographs taken			No. of Photos attached		
Site recorded by	Navin Officer Heritage Consultants Pty Ltd		Date of recording	August 2004	
Address/institution	4/71 Leichhardt Street, KINGSTON, ACT 2604				





## Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

### Standard Site Recording Form

SITE IDENTIFICATION			
Site name	WCP61		NPWS Site #
Owner/manager	Wilpinjong Coal Pty Ltd		
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 reference	1:25000 map	Map scale (if method = map)	Map name
		1:25,000	Wollar
NPWS District Name (see map)			NPWS Zone (see map)
Portion no.			Parish
SITE DESCRIPTION			
Site type(s)	Reported 'spring' or waterhole		Site type code (NPWS use only)
<p><b>Description of site and contents</b>            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 &amp; 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 &amp; 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</p>	<p>Attach photographs and sketches, eg. plan &amp; section of shelter.  <b>Do NOT dig, disturb or damage site or contents.</b></p> <p>Eli Kennedy identified this feature (an excavated hole, under a stone slab), as a formerly utilised Aboriginal water source. The archaeologists could not distinguish the feature from an area of animal digging within porous sediments. The feature is situated just below a break-of-slope on a small benched spurline crest.</p> <p>'Spring' at break of slope immediately below exposed bedrock, western side of a ridge. Consists of a large fallen rock with the entrance to a wombat burrow on either side of the fallen rock and the tunnel into the slope below the rock. A small shallow pool of water lies in the depression at the entrance to the tunnel. There is no water seeping/trickling into the pool.</p>		



# Aboriginal Sites Register of NSW

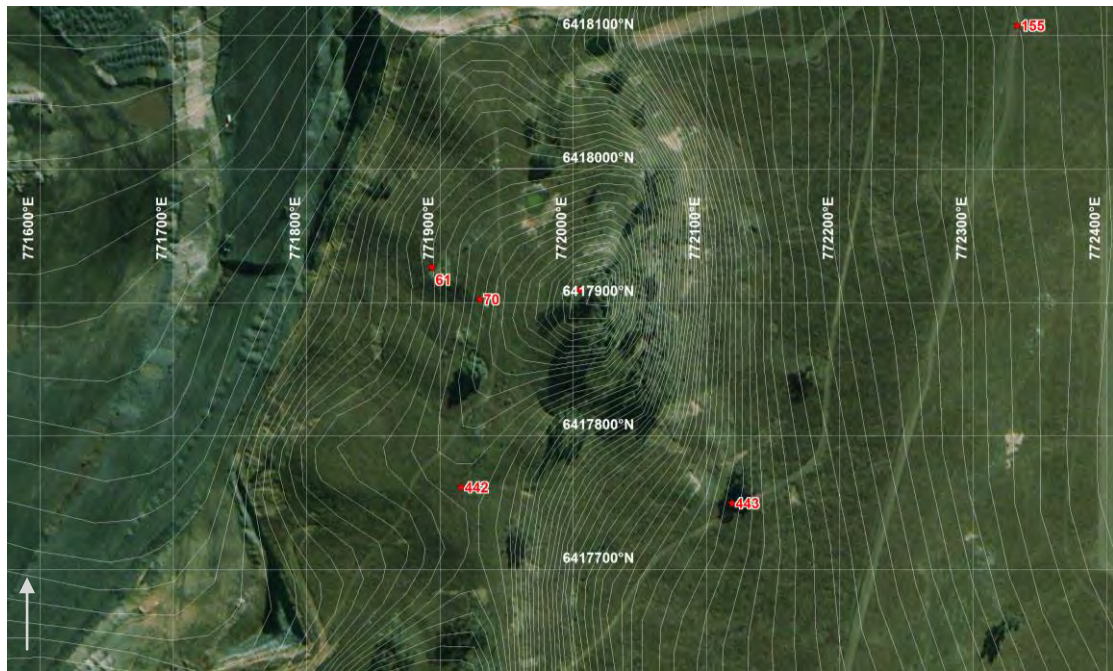
NPWS, PO Box 1967, Hurstville NSW 2220

## Standard Site Recording Form

SITE ENVIRONMENT				
Land form	Spurline crest	Aspect		Slope
Mark position of the site				
Local rock type		Land use/effect		
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 in the Sites Register	some	Other site types include
SITE MANAGEMENT				
Site condition	See Report			
Management recommendations	See Report			
Have artefacts been removed from site	unknown		When	
By whom			Deposited at	
Consent applied for	<input type="checkbox"/>	Consent issued		<input type="checkbox"/>
Date of issue			Consent number	
SITE INSPECTION AND RECORDING				
Reason for investigation	EIS assessment for Wilpinjong Coal Mine			
Were local Aborigines contacted or present for the recording	<input type="checkbox"/> Not contacted <input checked="" type="checkbox"/> Contacted and present <input type="checkbox"/> Contacted but not present	Names and addresses	Warrabinga Native Title Claimants Aboriginal Corporation 525 Pheasants Nest Road Pheasants Nest NSW 2574  Murong Gialinga Aboriginal and Torres Strait Islander Corporation PO Box 1097 Mudgee NSW 2850  Mudgee Local Aboriginal Land Council PO Box 1098 Mudgee NSW 2850	
Is the site important to local Aborigines				
Verbal/written reference sources	1. Navin Officer Heritage Consultants 2005 Wilpinjong Coal Project. Appendix F. Aboriginal Heritage Assessment. Report for Wilpinjong Coal.		ASR report number(s) (or title)	C- C-
Photographs taken			No. of Photos attached	
Site recorded by	Navin Officer Heritage Consultants Pty Ltd		Date of recording	12 August 2004
Address/institution	4/71 Leichhardt Street, 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 WCP64...Project code: WCP.....

Recorder C Dearing/ T Saunders .....

Date 13 August 2004 .....

**The Tree**

species Eucalyptus possibly Yellow Box .....

est. height 20m .....

girth (c1.2m above ground) 3.5m .....

**Condition/health:**☐ excel. ☐ good ☐ poor ☐ v.poor ☒ dead☒ missing crown ☒ major crown limbs missing☐ stock damage ☐ die back ☒ insect attack☐ natural scars ☒ hollow ☒ unstable

.....

.....

.....

**The Scar**

aspect South South East .....

length (excl. regrowth) 1.35m .....

length (incl. regrowth) 2.20m .....

width (excl. regrowth) 0.32m .....

width (include. regrowth) 1.10m .....

regrowth (max. width) 0.50m .....

regrowth (max. depth) 0.18m .....

height above ground:

base of inside scar 0.39m .....

base of regrowth 0.0 .....

**Features:**☐ axe/hatchet marks ☐ termite activity☒ scar surface burnt (Singed)☐ core wood missing☒ orig'l scar surface whole/partly missing☐ large/small borer holes/tracks**Condition:**☐ excel. ☐ good ☐ poor ☐ v.poor**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**Conclusion about Aboriginal scar origin:**☐ possible ☒ probable ☐ most likely☐ definite proof

Alternative natural interpretation:

**Map Grid Reference:**☐ from map☒ hand held GPS 0774312.6415764☐ differential GPS

circle grid type

AGD/GDA

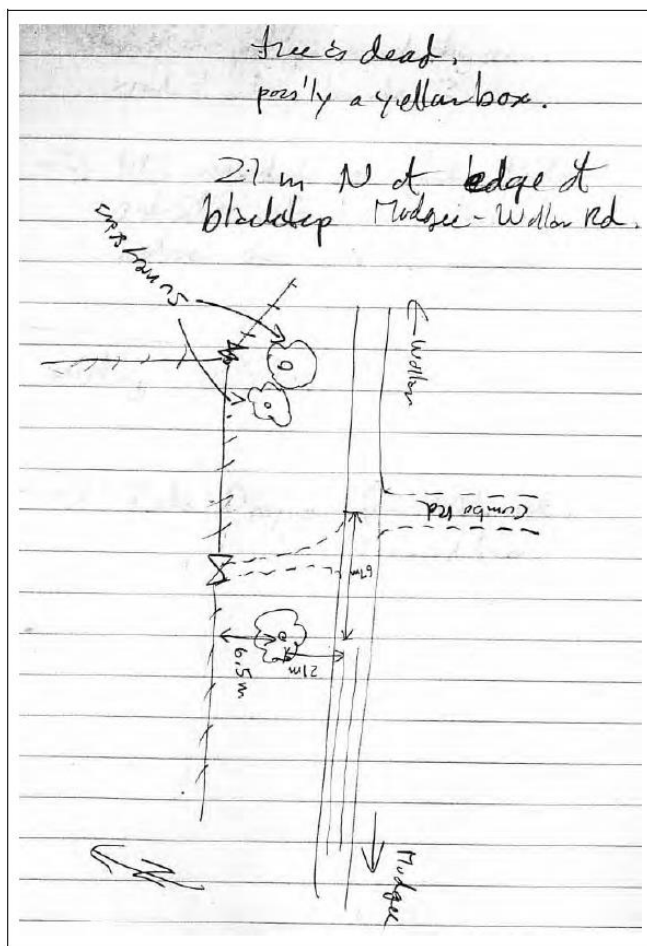
AGD/GDA

AGD/GDA

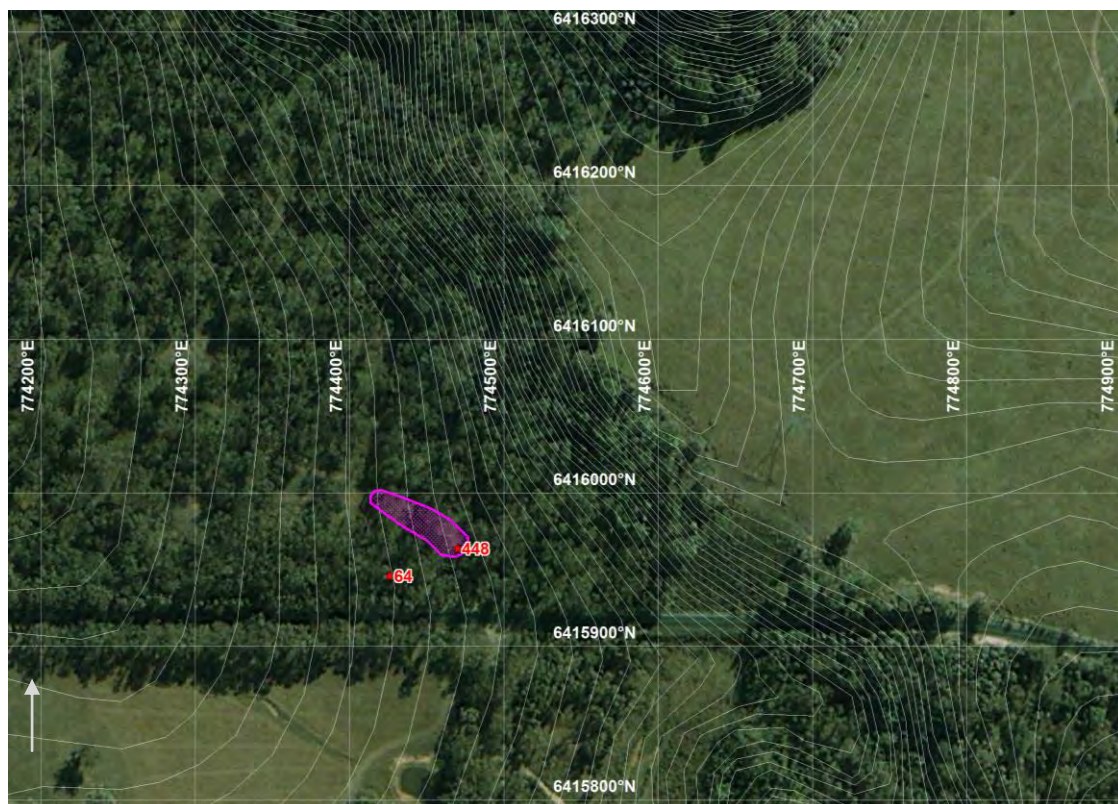
**Large scale landform**☐ plateau ☐ uppr v. ☐ mid v. ☐ basal v. ☒ valley floor**Small scale landform**☐ major ridge ☐ crest ☐ major escarpment☐ spurline ☐ break-of-slope ☐ minor escarpment☐ knoll ☐ uppr slopes ☐ discontinuous outcrop☐ shoulder ☐ mid slopes ☐ isolated tor/outcrop☐ saddle ☒ basal slopes ☐ rock platform☐ valley floor ☐ terrace ☐ minor stream bed/margin☐ dune ☐ major stream bed/margin☐ sand sheet ☐ lake/wetland bed/margin☐ fan ☐ alluvial flats**Bedrock:** (if exposed) .....**Existing Vegetation**☒ forest☐ woodland☐ shrubland☐ 10-30m☐ grassland**Canopy:**☐ closed☒ open (mostly regrowth)☐ 4-2m☐ sparse**Height:**☐ >30m☐ 10-4m☐ <2m

main species .....

**Sketch of scar and tree:**



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





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



## ABORIGINAL SITE FIELD DATA RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP70 Project code: WCP  
 Recorder K Officer  
 Date 12 August 2004  
 Photos film no. photo nos.

Map Grid Reference: circle grid type  
☐ from map AGD / GDA  
☒ hand held GPS 0771813.6417719 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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)  
 length: 1 width: 1 depth  
 Gradient: ☒ gen.flat ☒ low ☐ mod. ☐ high  
 Aspect: ☐ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☒ W ☐ NW

**Site Exposure**  
 exposure type: Cattle tracks sheet erosion  
 soil/matrix type: Sandy loam  
 av.exp. incidence 20% av.exp. visibility 90%  
 area over which exp(s) occur 80 x 50  
 visibility away from site: exp.inc. 10% exp.vis. 90%

**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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☒ bench ☐ talus slope  
☐ 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)

**Existing Vegetation**  
☐ forest **Canopy:** **Height:**  
☒ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☐ grassland ☒ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

**Surface artefact numbers**  
 no. actually counted 1  
 Estimated no. of surface artefacts  
☐ 1-5 ☐ 16-50 ☐ 101-500  
☐ 6-15 ☐ 50-100 ☐ >500

**Surface artefact density**  
 est. average (a/m<sup>2</sup>)  
 max. (a/m<sup>2</sup>)

**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 types**  
 (complete if site has >10 artefacts)  
☒ no. %  
 quartz ☒ .....  
 quartzite ☐ .....  
 silcrete ☐ .....  
 chert ☐ .....  
 chalcedony ☐ .....  
 rhyolite ☐ .....  
 volcanic ☐ .....  
 tuff ☐ .....  
☐ .....

**Archaeological Potential to:**  
 be larger than record'd area: ☒ low ☒ mod. ☐ high ☐ can't tell  
 contain (more) artefacts: ☒ low ☒ mod. ☐ high ☐ can't tell  
 have in situ subsurface mat'l ☒ low ☐ mod. ☐ high ☐ can't tell

**Site Condition/impacts**  
 General rating ☐ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell  
 visitor/landuse impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
 natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☐ cultiv'n/plough'g ☒ veg'n clearnc ☒ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
 Other/Describe:

Artefact description (generalised recording)  
 (complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input checked="" type="checkbox"/>	1	.....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input checked="" type="checkbox"/>	2	.....

## Abraded or Pecked features

☐ grinding grooves: no. of grooves .....  
 no. of groups .....  
 groove length: max: ..... min: .....  
 groove width: max: ..... max: .....  
☐ channels: no. ....  
☐ other: .....

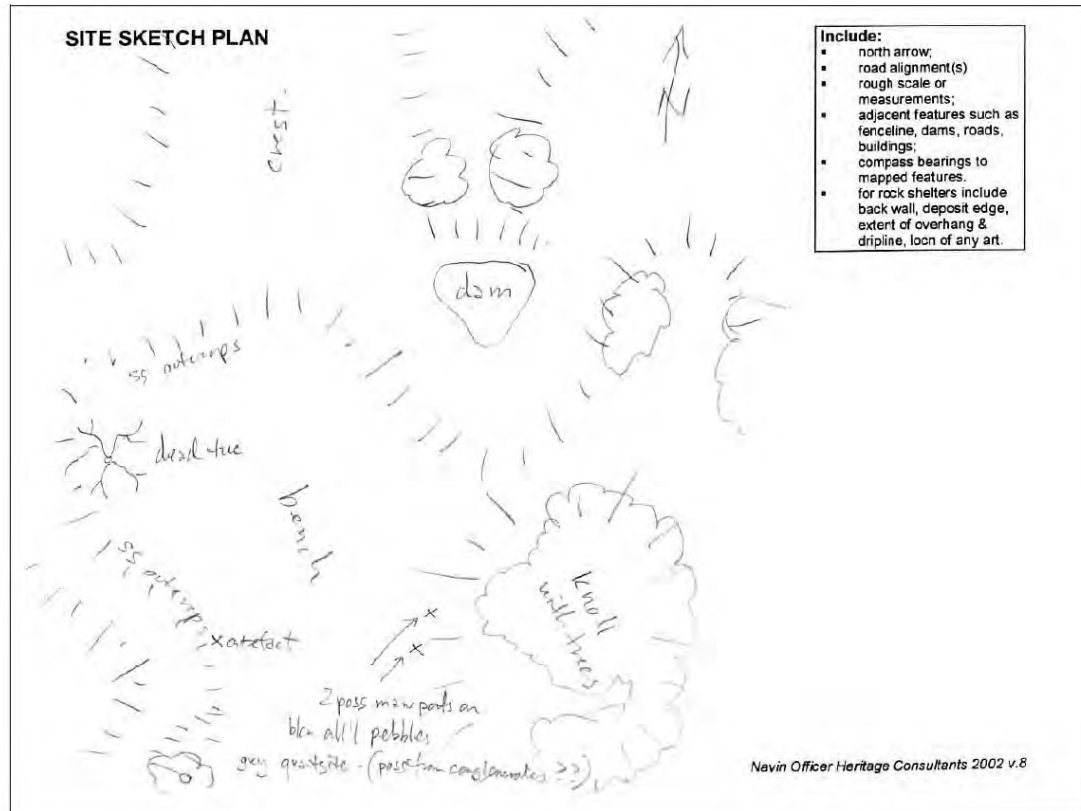
<sup>19</sup> Refer to Appendix 3 for new detailed recording of site undertaken during present investigation.



## 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      FIELD DATA RECORDING FORM      WILPINJONG COAL PROJECT**

Site Name Field code:.....WCP71.....Project code: WCP .....

Recorder K Officer .....

Date 12 August 2004 .....

Photos film no. .... photo nos. ....

**Map Grid Reference:** circle grid type

☐ from map..... AGD / GDA

☒ hand held GPS 0771715.6417414 ..... 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

☐ midden ☐ rock surface feature

☐ burial

☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)

length: 1 ....width: 1 .....depth

Gradient: ☒ gen.flat ☐ low ☐ mod. ☐ high

Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**

exposure type: Low vegetation cover and sheet erosion

soil/matrix type: Loamy gravel .....

av.exp. incidence 15.35%. av.exp. visibility 30%

area over which exp(s) occur ..... 100 x 80.....

visibility away from site: exp.inc...10% exp.vis 30%

**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

☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop

☐ headland ☐ basal slopes ☐ rock platform(s)

☐ indeterminate ☐ talus slope

☐ 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) .....

**Existing Vegetation**

☐ forest ☐ Canopy: ☐ Height:

☒ woodland ☐ closed ☐ >30m

☐ shrubland ☒ open ☐ 10-30m

☐ grassland ☐ sparse ☐ 10-4m

☐ sedge/wetland ☐ 4-2m ☐ <2m

**SITE CONTENTS**

**Surface artefact numbers**

no. actually counted 1.....

Estimated no. of surface artefacts

☐ 1-5 ☐ 16-50 ☐ 101-500

☐ 6-15 ☐ 50-100 ☐ >500

**Surface artefact density**

est. average (a/m<sup>2</sup>) .....

max. (a/m<sup>2</sup>) .....

**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 types**

(complete if site has >10 artefacts)

	✓	no.	%
quartz	<input type="checkbox"/>	.....	.....
quartzite	<input type="checkbox"/>	.....	.....
silcrete	<input type="checkbox"/>	.....	.....
chert	<input type="checkbox"/>	.....	.....
chalcidony	<input type="checkbox"/>	.....	.....
rhyolite	<input type="checkbox"/>	.....	.....
volcanic	<input type="checkbox"/>	.....	.....
tuff	<input checked="" type="checkbox"/>	1.....	.....
.....	<input type="checkbox"/>	.....	.....

**Archaeological Potential to:**

be larger than record'd area: ☒ low ☐ mod. ☐ high ☐ can't tell

contain (more) artefacts: ☒ low ☒ mod. ☐ high ☐ can't tell

have *in situ* subsurface mat'l ☒ low ☐ mod. ☐ high ☐ can't tell

**Site Condition/impacts**

General rating ☐ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell

visitor/landuse impacts: ☐ low ☒ mod. ☐ high ☐ can't tell

natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell

☐ cultiv'n/plough'g ☒ veg'n clearnc ☒ erosion ☒ vehicle tracks

☐ mech'l earth mov't/exc ☒ animal distnc ☐ major constn ☐ fill

☐ service easements ☐ fencing ☐ dam constn ☐ rubbish

Other/Describe:.....

**Artefact description (generalised recording)**

(complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input type="checkbox"/>	.....	.....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

**Abraded or Pecked features**

☐ grinding grooves: no. of grooves .....

no. of groups .....

groove length: max: ..... min: .....

groove width: max: ..... max: .....

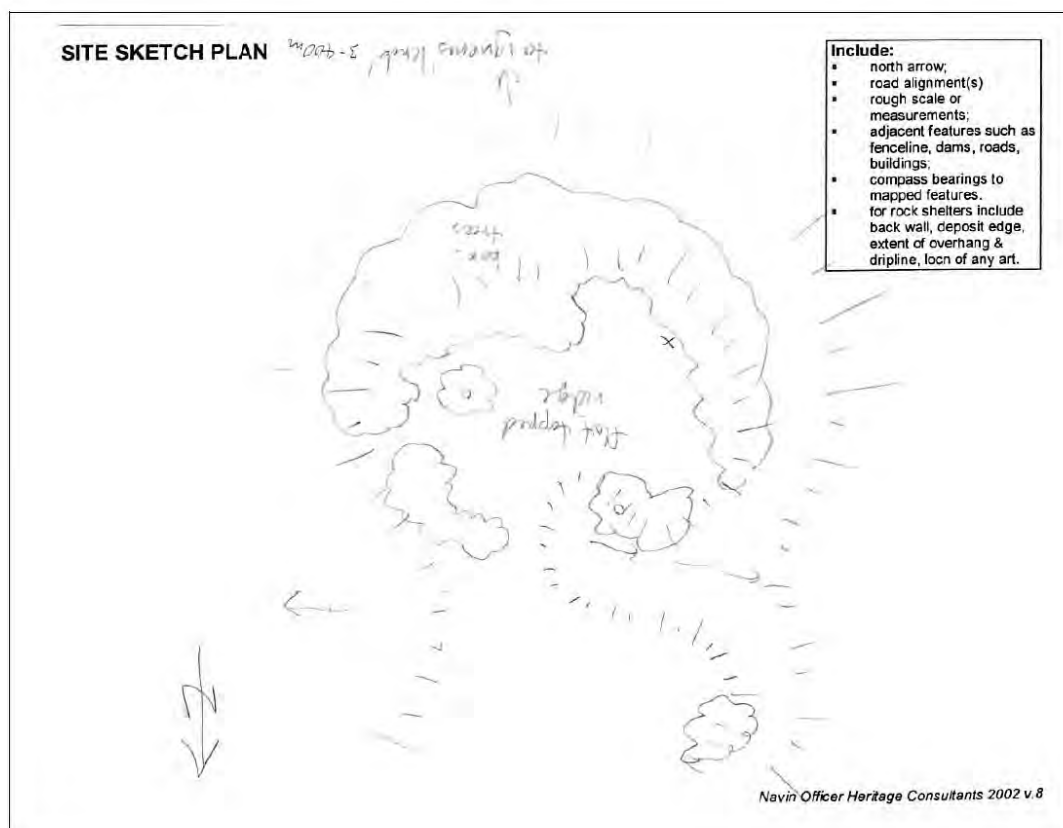
☐ channels: no. ....

☐ 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	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 RECORDING FORM

## WILPINJONG COAL PROJECT

Site Name Field code: WCP124...Project code: WCP...

Recorder K Officer.....

Date 24 August 2004.....

Photos film no. .... photo nos.....

## Map Grid Reference: :

circle grid type

☐ from map ..... AGD / GDA☒ hand held GPS 767322.6418870 ..... AGD / GDA☐ differential GPS ..... AGD / GDA

## The Tree

species White or grey box.....

est. height c 15m.....

girth (c1.2m above ground) 2.19m.....

## Condition/health:

☒ excel. ☐ good ☐ poor ☐ v.poor ☐ dead☐ missing crown ☐ major crown limbs missing☐ stock damage ☒ die back ☐ insect attack☒ natural scars ☐ hollow ☐ unstable

3 fire scars around base

## The Scar

scar faces: SSW.....

length (excl. regrowth) 125cm.....

length (incl. regrowth) c200cm.....

width (excl. regrowth) 23cm.....

width (include. regrowth) c90cm.....

regrowth (max. width) 30cm.....

regrowth (max. depth) 15cm.....

height above ground:

base of inside scar 160cm.....

base of regrowth 130cm.....

## 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

Gouge marks suggest impact with vehicle or mechanical device

## 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☐ other natural and human origins excluded

## Conclusion about Aboriginal scar origin:

☐ possible ☐ probable ☐ most likely☐ definite ☒ unlikely

Alternative interpretations:

Impact from machine.

Relatively recent wind rowing and clearing is evident nearby.....

## Large scale landscape context

☐ uppr slopes ☐ mid slopes ☒ 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☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop☐ headland ☐ basal slopes ☐ rock platform(s)☐ indeterminate ☐ talus slope☐ 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).....

## Existing Vegetation

☒ forest

Canopy:

Height:

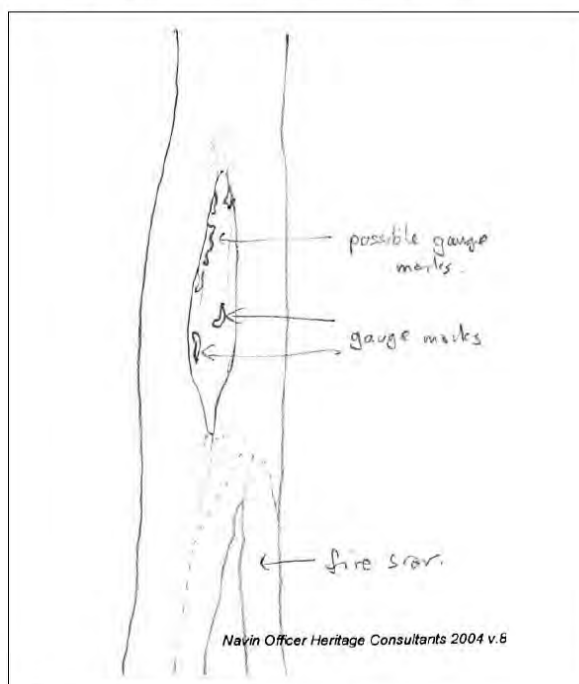
☐ woodland☐ closed☐ >30m☐ shrubland☒ open☒ 10-30m☐ grassland☐ sparse☐ 10-4m☐ sedge/wetland☐ 4-2m☐ <2m

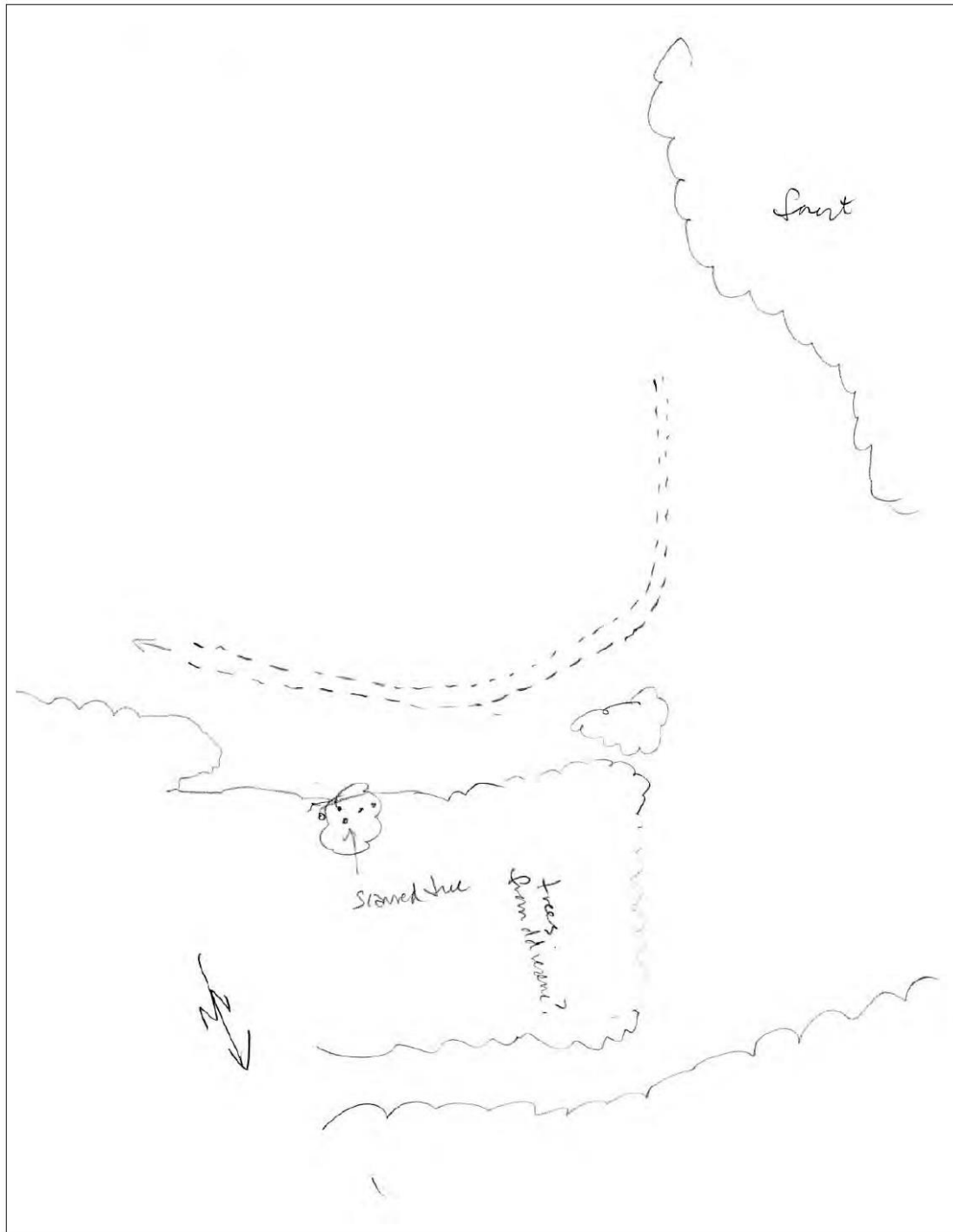
## Sketch of scar and tree:

(include outline of scar and your interpretation of original scar extent)

(include site location sketch if necessary, use other side if no space)

Recorded at request of Rose Rye who felt it would be safer to record based on its shape, uniform boundary and position on tree.







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



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





# ABORIGINAL SITE FIELD DATA RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP184 Project code: WCP  
Recorder C Dearling  
Date 25 August 2004  
Photos film no. photo nos.

Map Grid Reference: circle grid type  
☐ from map AGD / GDA  
☒ hand held GPS 769914.6419951 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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)  
length: 50 width: 30 depth:  
Gradient: ☒ gen.flat ☐ low ☐ mod. ☐ high  
Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**  
exposure type: Animal track  
soil/matrix type: Compacted gravelly sandy clay  
av.exp. incidence 25% av.exp. visibility 85%  
area over which exp(s) occur 50x0.4  
visibility away from site: exp.inc. % exp.vis. %

**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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☒ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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)

**Existing Vegetation**  
☐ forest ☐ Canopy: ☐ Height:  
☒ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☐ grassland ☒ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

**Surface artefact numbers**  
no. actually counted: 6  
estimated no. of surface artefacts:  
☐ 1-5 ☐ 16-50 ☐ 101-500  
☐ 6-15 ☐ 50-100 ☐ >500

**Surface artefact density**  
est. average (a/m<sup>2</sup>)  
max. (a/m<sup>2</sup>)

**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 types**  
(complete if site has >10 artefacts)  
☒ no. %  
quartz ☐  
quartzite ☐  
silcrete ☐  
chert ☐  
chalcedony ☐  
rhyolite ☐  
volcanic ☐  
tuff ☐  
Jasper ☒ 1

**Archaeological Potential to:**  
be larger than record'd area: ☐ low ☒ mod. ☐ high ☐ can't tell  
contain (more) artefacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
have in situ subsurface mat'l ☒ low ☐ mod. ☐ high ☐ can't tell

**Site Condition/impacts**  
General rating ☐ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell  
visitor/landuse impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☒ cultiv'n/plough'g ☒ veg'n clearnc ☐ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☒ animal distnc ☐ major constn ☐ fill  
☐ service easements ☒ fencing ☐ dam constn ☐ rubbish  
Other/Describe:

**Artefact description (generalised recording)**  
(complete if site has >10 artefacts)  

	✓	no.	percentage
flakes	<input type="checkbox"/>		
modified flakes	<input type="checkbox"/>		
cores	<input type="checkbox"/>		
lithic fragments	<input type="checkbox"/>		
secondary flaking	<input type="checkbox"/>		
use wear	<input type="checkbox"/>		
alluvial cortex	<input type="checkbox"/>		
microliths	<input type="checkbox"/>		
backed blades	<input type="checkbox"/>		
microblades	<input type="checkbox"/>		
eloueras	<input type="checkbox"/>		
hatchet head/frag't	<input type="checkbox"/>		
microblade cores	<input type="checkbox"/>		
bipolar flake/cores	<input type="checkbox"/>		
hammerstones	<input type="checkbox"/>		
anvil stones	<input type="checkbox"/>		
grinding stones	<input type="checkbox"/>		
hearth stones	<input type="checkbox"/>		
manuports	<input type="checkbox"/>		

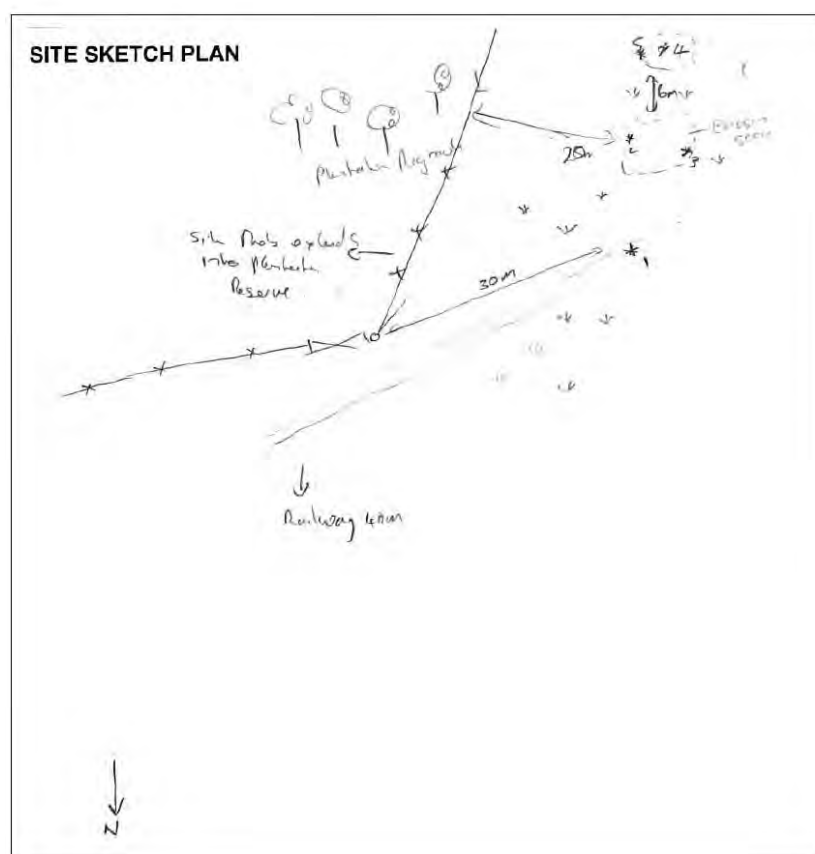
**Abraded or Pecked features**  
☐ grinding grooves: no. of grooves  
no. of groups  
groove length: max: min:  
groove width: max: max:  
☐ channels: no.  
☐ other:



## 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	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 platforms 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 FIELD DATA RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP195 Project code: WCP  
Recorder Tessa  
Date 19 August 2004  
Photos film no. photo nos.

Map Grid Reference: circle grid type  
☐ from map AGD / GDA  
☒ hand held GPS 774308.6416524 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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

Site Dimensions (area over which artefacts found)  
length: 5m width: 3m depth:  
Gradient: ☐ gen.flat ☒ low ☐ mod. ☐ high  
Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

Site Exposure  
exposure type: Wash  
soil/matrix type: Sandy  
av.exp. incidence % av.exp. visibility 30%  
area over which exp(s) occur 5x3  
visibility away from site: exp.inc. % exp.vis. %

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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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)

Existing Vegetation  
☒ forest Canopy: Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☒ open ☐ 10-30m  
☐ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

Surface artefact numbers  
no. actually counted: 2

estimated no. of surface artefacts:  
☒ 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:

Surface artefact density

est. average (a/m<sup>2</sup>) 1  
max. (a/m<sup>2</sup>) 2

Artefact material types

(complete if site has >10 artefacts)

	✓	no.	%
quartz	<input type="checkbox"/>		
quartzite	<input type="checkbox"/>		
silcrete	<input type="checkbox"/>		
chert	<input type="checkbox"/>		
chalcedony	<input type="checkbox"/>		
rhyolite	<input type="checkbox"/>		
volcanic	<input type="checkbox"/>		
tuff	<input type="checkbox"/>		
	<input type="checkbox"/>		

Archaeological Potential to:

be larger than record'd area: ☐ low ☒ mod. ☐ high ☐ can't tell  
contain (more) artefacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
have in situ subsurface mat'l ☐ low ☐ mod. ☐ high ☒ can't tell

Site Condition/impacts

General rating ☐ poor ☒ good ☐ v.good ☐ excel. ☐ can't tell  
visitor/landuse impacts: ☒ low ☐ mod. ☐ high ☐ can't tell  
natural impacts: ☒ low ☐ mod. ☐ high ☐ can't tell

☐ cultiv'n/plough'g ☐ veg'n clearnc ☐ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
Other/Describe:

Artefact description (generalised recording)

(complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input type="checkbox"/>		
modified flakes	<input type="checkbox"/>		
cores	<input type="checkbox"/>		
lithic fragments	<input type="checkbox"/>		
secondary flaking	<input type="checkbox"/>		
use wear	<input type="checkbox"/>		
alluvial cortex	<input type="checkbox"/>		
microliths	<input type="checkbox"/>		
backed blades	<input type="checkbox"/>		
microblades	<input type="checkbox"/>		
eloueras	<input type="checkbox"/>		
hatchet head/frag't	<input type="checkbox"/>		
microblade cores	<input type="checkbox"/>		
bipolar flake/cores	<input type="checkbox"/>		
hammerstones	<input type="checkbox"/>		
anvil stones	<input type="checkbox"/>		
grinding stones	<input type="checkbox"/>		
hearth stones	<input type="checkbox"/>		
manuports	<input type="checkbox"/>		

Abraded or Pecked features

☐ grinding grooves: no. of grooves  
no. of groups  
groove length: max: min:  
groove width: max: max:  
☐ channels: no.  
☐ other:

## Artefact Descriptions

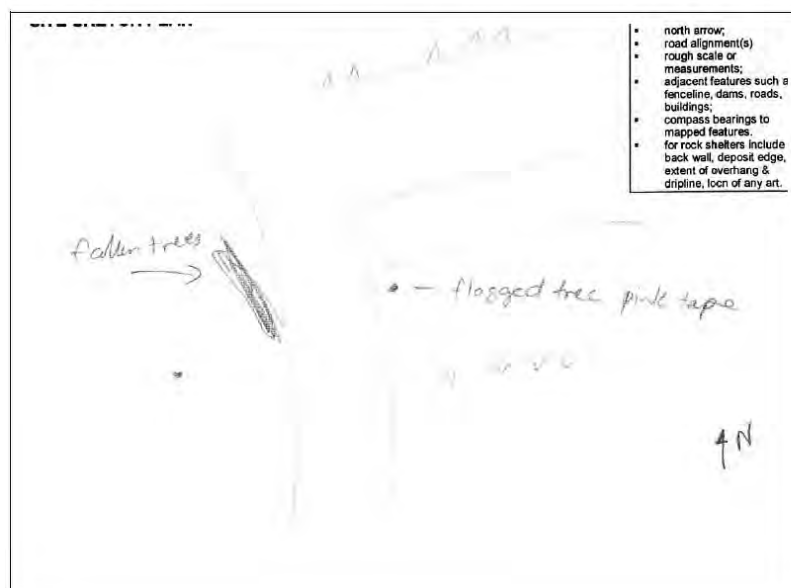
*Describe the first 10 artefacts & exceptional or representative examples*

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

## 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 RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code: WCP212 Project code: WCP  
 Recorder Tessa  
 Date 24 August 2004  
 Photos film no. photo nos. 1747/1478

Map Grid Reference: AGD GDA  
☒ from map 767340.6418935  
☐ hand held GPS  
☐ differential GPS

**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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)  
 length: 1 width: 1 depth 0  
 Gradient: ☐ gen.flat ☒ low ☐ mod. ☐ high  
 Aspect: ☐ OPEN ☐ N ☐ NE ☒ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**  
 exposure type: Wash vehicle track  
 soil/matrix type: Orange sandy loam  
 av.exp. incidence 10% av.exp. visibility 70%  
 area over which exp(s) occur continuous along tree line  
 visibility away from site: exp.inc...70% exp.vis 70%

**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  
☐ shoreline ☒ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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)

**Existing Vegetation**  
☐ forest ☐ Canopy: ☐ Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☒ open ☒ 10-30m  
☒ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

**Surface artefact numbers**  
 no. actually counted: 1

estimated no. of surface artefacts:  
☐ 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:

**Surface artefact density**  
 est. average (a/m<sup>2</sup>) 1  
 max. (a/m<sup>2</sup>) 1

**Artefact material types**  
 (complete if site has >10 artefacts)  

	✓	no.	%
quartz	<input type="checkbox"/>		
quartzite	<input type="checkbox"/>		
silcrete	<input type="checkbox"/>		
chert	<input type="checkbox"/>		
chalcedony	<input type="checkbox"/>		
rhyolite	<input type="checkbox"/>		
volcanic	<input type="checkbox"/>		
tuff	<input type="checkbox"/>		

**Archaeological Potential to:**  
 be larger than record'd area: ☒ low ☐ mod. ☐ high ☐ can't tell  
 contain (more) artefacts: ☒ low ☐ mod. ☐ high ☐ can't tell  
 have in situ subsurface mat'l ☒ low ☐ mod. ☐ high ☐ can't tell

**Site Condition/impacts**  
 General rating ☐ poor ☒ good ☐ v.good ☐ excel. ☐ can't tell  
 visitor/landuse impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
 natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☐ cultiv'n/plough'g ☒ veg'n clearnc ☒ erosion ☒ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
 Other/Describe:

**Artefact description (generalised recording)**  
 (complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input type="checkbox"/>		
modified flakes	<input type="checkbox"/>		
cores	<input type="checkbox"/>		
lithic fragments	<input type="checkbox"/>		
secondary flaking	<input type="checkbox"/>		
use wear	<input type="checkbox"/>		
alluvial cortex	<input type="checkbox"/>		
microliths	<input type="checkbox"/>		
backed blades	<input type="checkbox"/>		
microblades	<input type="checkbox"/>		
eloueras	<input type="checkbox"/>		
hatchet head/frag't	<input type="checkbox"/>		
microblade cores	<input type="checkbox"/>		
bipolar flake/cores	<input type="checkbox"/>		
hammerstones	<input type="checkbox"/>		
anvil stones	<input type="checkbox"/>		
grinding stones	<input type="checkbox"/>		
hearth stones	<input type="checkbox"/>		
manuports	<input type="checkbox"/>		

## Abraded or Pecked features

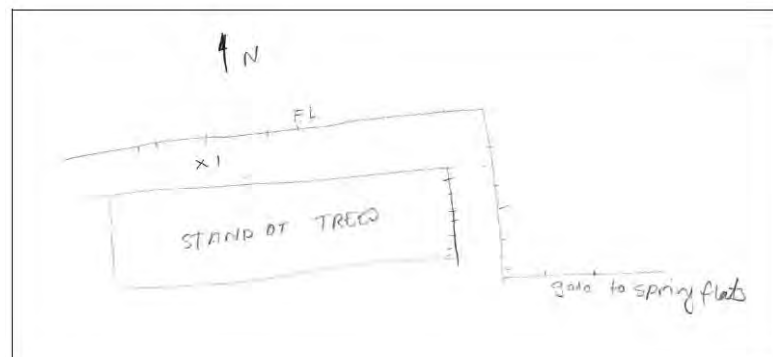
☐ grinding grooves: no. of grooves 6  
 no. of groups 1  
 groove length: max: 32m min: 18mm  
 groove width: max: 3mm max: 10mm  
☐ channels: no.  
☐ other: May be European or Aboriginal architectural

## 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	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 RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code:.....WCP213.....Project 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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

Site Dimensions (area over which artefacts found)  
length: 60 ..... width: 70 ..... depth: .....  
Gradient: ☐ gen.flat ☐ low ☒ mod. ☐ high  
Aspect: ☐ OPEN ☐ N ☐ NE ☒ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

Site Exposure  
exposure type: Wash small dam construction .....  
soil/matrix type: Sandy loam .....  
av.exp. incidence 30%. av.exp. visibility 20%  
area over which exp(s) occur .....50x50 .....  
visibility away from site: exp.inc 70% exp.vis...70%

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  
☐ shoreline ☒ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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) .....

Existing Vegetation  
☐ forest ☐ Canopy: ☐ Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☒ open ☒ 10-30m  
☒ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 4-2m ☐ <2m

## SITE CONTENTS

Surface artefact numbers  
no. actually counted: 11 .....

estimated no. of surface artefacts:  
☐ 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:.....  
.....  
.....

## Surface artefact density

est. average (a/m<sup>2</sup>) 1 .....  
max. (a/m<sup>2</sup>) 1 .....

## Artefact material types

(complete if site has >10 artefacts)

	✓	no.	%
quartz	<input checked="" type="checkbox"/>	.....	.40%
quartzite	<input checked="" type="checkbox"/>	.....	.10%
silcrete	<input checked="" type="checkbox"/>	.....	.10%
chert	<input type="checkbox"/>	.....	.....
chalcidony	<input type="checkbox"/>	.....	.....
rhyolite	<input type="checkbox"/>	.....	.....
volcanic	<input checked="" type="checkbox"/>	.....	.30%
tuff	<input checked="" type="checkbox"/>	.....	.10%
.....	<input type="checkbox"/>	.....	.....

## Archaeological Potential to:

be larger than record'd area: ☐ low ☒ mod. ☐ high ☐ can't tell  
contain (more) artefacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
have in situ subsurface mat'l ☐ low ☐ mod. ☐ high ☐ can't tell

## Site Condition/impacts

General rating ☐ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell  
visitor/landuse impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell

☐ cultiv'n/plough'g ☒ vegn clearnc ☒ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☒ dam constn ☐ rubbish  
Other/Describe: Strong possibility associated with TBM21.....

## Artefact description (generalised recording)

(complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input checked="" type="checkbox"/>	.....8.....	.80....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
blade	<input checked="" type="checkbox"/>	.....1.....	.10....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input checked="" type="checkbox"/>	.....1.....	.10....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

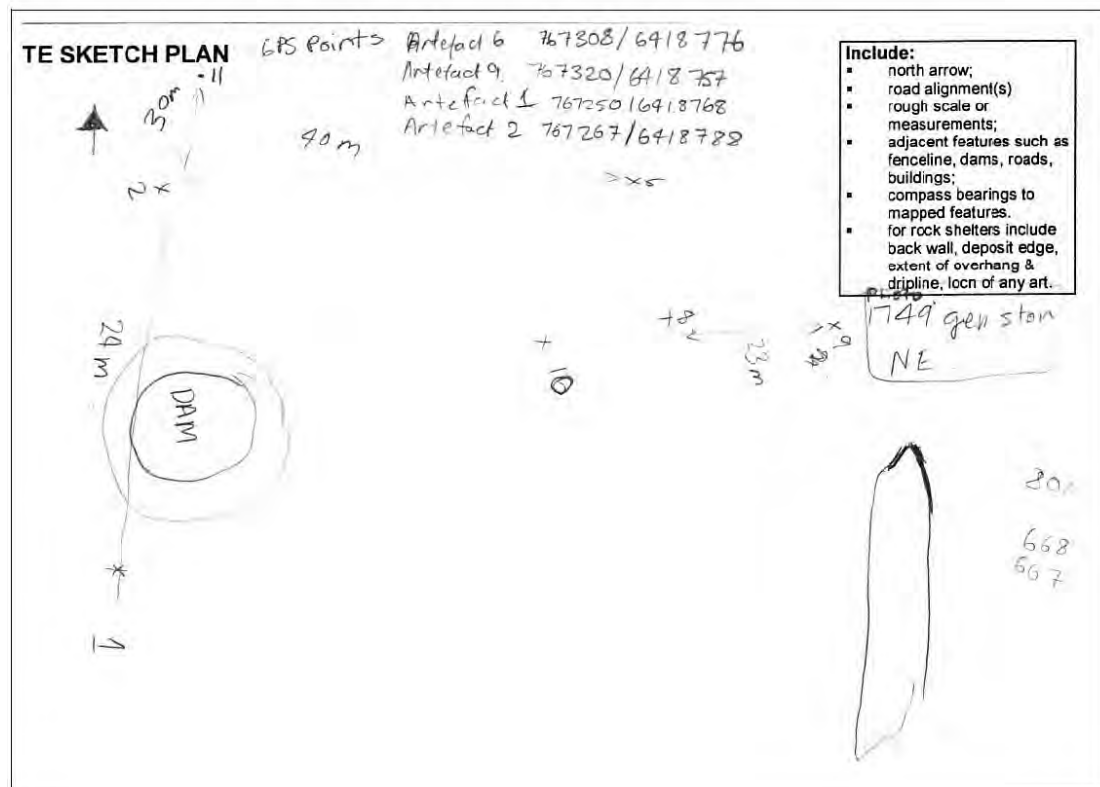
## Abraded or Pecked features

☐ grinding grooves: no. of grooves .....  
no. of groups .....  
groove length: max: ..... min: .....  
groove width: 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	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	Orange 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 RECORDING FORM WILPINJONG COAL PROJECT

Site Name Field code:.....WCP216.....Project 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 from 767084.6418194 to .....AGD / GDA  
☐ differential GPS 767457.6418415 .....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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)  
 length: 500 ..... width: 200 ..... depth: .....  
 Gradient: ☒ gen.flat ☐ low ☐ mod. ☐ high  
 Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**  
 exposure type: Ploughed paddock .....  
 soil/matrix type: Silty sand .....  
 av.exp. incidence 100%. av.exp. visibility 100%  
 area over which exp(s) occur .....500x200....  
 visibility away from site: exp.inc 100% exp.vis 100%

**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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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) .....

**Existing Vegetation**  
☐ forest ☐ Canopy: ☐ Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☐ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland Paddock; no vegetation ☐ 4-2m ☐ <2m

## SITE CONTENTS

**Surface artefact numbers**  
 no. actually counted: 10 .....

estimated no. of surface artefacts:  
☐ 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:.....  
 .....

**Surface artefact density**  
 est. average (a/m<sup>2</sup>) 1/10m<sup>2</sup> .....  
 max. (a/m<sup>2</sup>) 3/10m<sup>2</sup> .....

**Artefact material types**  
 (complete if site has >10 artefacts)  
☒ no. %  
 .see TMB23 for ratios.....

**Archaeological Potential to:**  
 be larger than record'd area: ☒ low ☐ mod. ☐ high ☐ can't tell  
 contain (more) artefacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
 have in situ subsurface mat'l ☐ low ☐ mod. ☐ high ☐ can't tell

**Site Condition/impacts**  
 General rating ☒ poor ☐ good. ☐ v.good ☐ excel. ☐ can't tell  
 visitor/landuse impacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
 natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☒ Extreme cultiv'n/plough'g ☐ vegn clearnc ☐ erosion ☐ vehicle  
 tracks ☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn  
☐ fill ☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
 Other/Describe: Should be included with data from TBM23.....

**Artefact description (generalised recording)**  
 (complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input type="checkbox"/>	.....	.....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	See TBM23 for	.....
combined ratios			
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

## Abraded or Pecked features

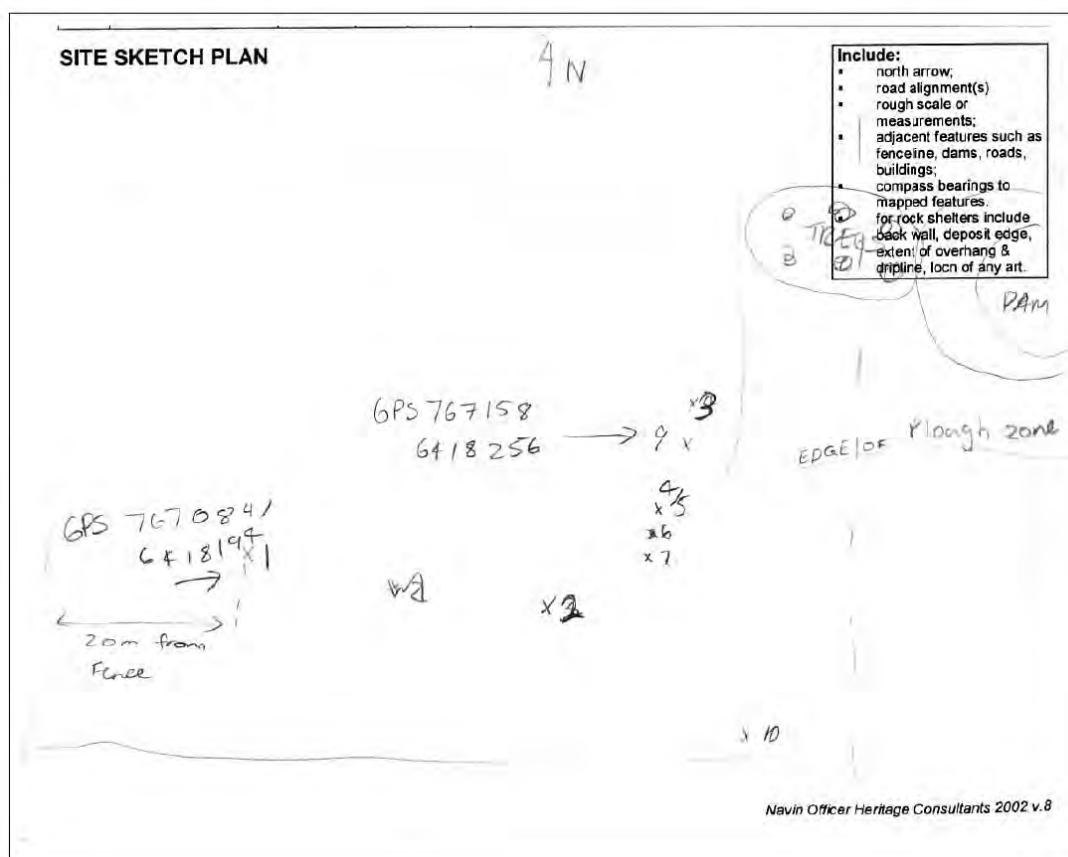
☐ grinding grooves: no. of grooves .....  
 no. of groups .....  
 groove length: max: ..... min: .....  
 groove width: max: ..... max: .....  
☐ channels: no. ....  
☐ other: .....



## 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	Milky quartz	50	40	37	Core	Good angles (platforms). 3 distinct scars
2	White quartz	25	8	8	Flake	Triangular crosssection.
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 crosssection	
8	Clear quartz	24	20	6	Flake	Good bulb, point of percussion broken 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

Site Name Field code: WCP216.....Project 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 from 767084.6418194 to.....AGD / GDA  
☐ differential GPS 767457.6418415.....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  
☐ midden ☐ rock surface feature  
☐ burial  
☐ potential archaeological deposit

**Site Dimensions** (area over which artefacts found)  
 length: ..... width: ..... depth: .....  
 Gradient: ☐ gen.flat ☐ low ☐ mod. ☐ high  
 Aspect: ☐ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**  
 exposure type: .....  
 soil/matrix type: .....  
 av.exp. incidence % av.exp. visibility..... %  
 area over which exp(s) occur .....x.....  
 visibility away from site: exp.inc.....% exp.vis.....%

**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 outcroppings  
☐ valley floor ☒ uppr slopes ☐ discontinuous outcrops  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ indeterminate ☐ talus slope  
☐ 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) .....

**Existing Vegetation**  
☐ forest **Canopy:** ☐ closed **Height:** ☐ >30m  
☐ woodland ☐ open ☒ 10-30m  
☒ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland Paddock; no vegetation ☐ 4-2m ☐ <2m

## SITE CONTENTS

**Surface artefact numbers**  
 no. actually counted: 69  
 including TBM22B .....  
 estimated no. of surface artefacts:  
☐ 1-5 ☐ 16-50 ☒ 101-500  
☐ 6-15 ☐ 50-100 ☐ >500

**Surface artefact density**  
 est. average (a/m<sup>2</sup>) 2/10m<sup>2</sup> .....  
 max. (a/m<sup>2</sup>) 3/10m<sup>2</sup> .....

**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 types**  
 (complete if site has >10 artefacts)  

	✓	no.	%
quartz	<input checked="" type="checkbox"/>	.....	..83...
quartzite	<input type="checkbox"/>	.....	.....
silcrete	<input checked="" type="checkbox"/>	.....	..2.5.
chert	<input type="checkbox"/>	.....	.....
chalcedony	<input type="checkbox"/>	.....	.....
rhyolite	<input type="checkbox"/>	.....	.....
volcanic	<input checked="" type="checkbox"/>	.....	..2.5...
tuff	<input checked="" type="checkbox"/>	.....	..12...
.....	<input type="checkbox"/>	.....	.....

**Archaeological Potential to:**  
 be larger than record'd area: ☐ low ☐ mod. ☒ high ☐ can't tell  
 contain (more) artefacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
 have in situ subsurface mat'l ☐ low ☐ mod. ☐ high ☒ can't tell

**Site Condition/impacts**  
 General rating ☐ poor ☒ good. ☐ v.good ☐ excel. ☐ can't tell  
 visitor/landuse impacts: ☐ low ☐ mod. ☒ high ☐ can't tell  
 natural impacts: ☐ low ☒ mod. ☐ high ☐ can't tell  
☒ cultiv'n/plough'g ☒ veg'n clearnc ☒ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
 Other/Describe:.. Should be included with data from TBM22B  
 .....

## Artefact description (generalised recording)

(complete if site has >10 artefacts)  

	✓	no.	percentage
flakes	<input checked="" type="checkbox"/>	.....	...90%...
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input checked="" type="checkbox"/>	.....	.... 5%...
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input checked="" type="checkbox"/>	.....	.... 1%...
bipolar flake/cores	<input type="checkbox"/>	.....	.....
Point scrapers	<input checked="" type="checkbox"/>	.....	.... 4%...
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

## Abraded or Pecked features

☐ grinding grooves: no. of grooves .....  
 no. of groups .....  
 groove length: max: ..... min: .....  
 groove width: max: ..... max: .....  
☐ channels: no. ....  
☐ other:.....

## Artefact Descriptions

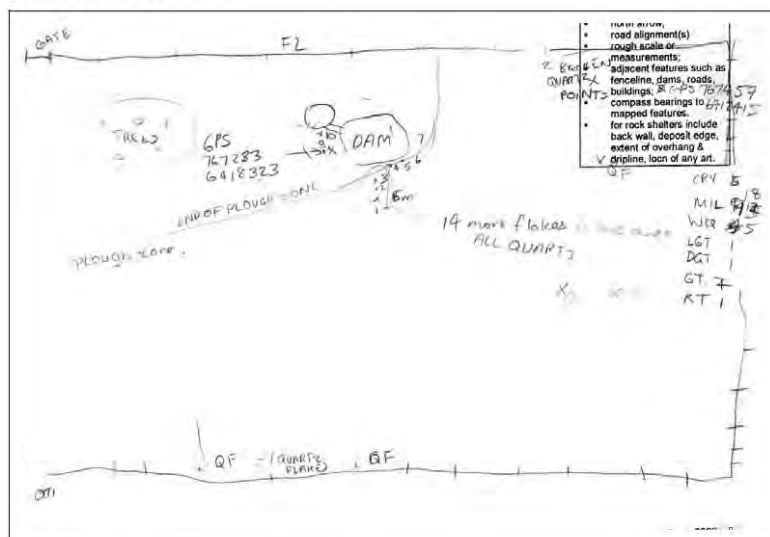
Describe the first 10 artefacts & exceptional or representative examples

no.	rock type	max. length	max. width	max. thickness	artefact type	features/comments
1	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 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 RECORDING FORM

Site Name Field code: NH2..Project code: WCP259.....  
 Recorder N. Hayes.....  
 Date 15/2/06.....  
 Photos film no. .... photo nos. 1 ph view west .....

Map Grid References ☐ map ☐ GPS ☐ diff GPS  
☒ AGD66 ☐ WGS84(GDA)  
 769422.6420612.....

**Site Type:** with:  
☒ Isolated find ☐ surface artefacts  
☐ Open artefact scatter ☐ arch'l deposit  
☐ Rock shelter ☐ pot'l arch'l dep. (PAD)  
☐ Rock art ☐ shell  
☐ Quarry/procurement ☐ pigment art  
☐ Grinding grooves ☐ engraved art  
☐ Midden ☐ rock surface feature  
☐ Burial ☐ .....  
☐ Open PAD.....

**Site Dimensions** (area over which artefacts found)  
 length: 1 ..... width: 1 ..... depth/height .....  
 Gradient: ☒ gen. flat ☐ low ☐ mod. ☐ high  
 Aspect: ☒ OPEN ☐ N ☐ NE ☐ E ☐ SE ☐ S ☐ SW ☐ W ☐ NW

**Site Exposure**  
 exposure type: stock track .....  
 soil/matrix type: sandy gravel .....  
 av. exp. incidence 20 % av. exp. vis'y 80 %  
 area with exp(s) ..... 5 x ..... continuous  
 vis'y away from site: exp. inc. .... % exp. vis. .... %

**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  
☐ shoreline ☐ mid slopes ☐ isolated tor/outcrop  
☐ headland ☐ basal slopes ☐ rock platform(s)  
☐ bench ☐ talus slope ☐ mnr stream bed/margin  
☐ knoll ☐ terrace ☐ mjr stream bed/margin  
☐ shoulder ☐ dune ☐ river bed/margin  
☐ saddle ☐ sand sheet ☐ lake/wetland bed/margin  
☐ alluvial flats ☐ fan ☐ estuary margin

**Bedrock** (if exposed) .....

**Existing Vegetation**  
☐ forest ☐ Canopy: ☐ Height:  
☐ woodland ☐ closed ☐ >30m  
☐ shrubland ☐ open ☐ 10-30m  
☐ grassland ☐ sparse ☐ 10-4m  
☐ sedge/wetland ☐ 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

**Surface artefact density**  
 est. average (a/m<sup>2</sup>) .....  
 max. (a/m<sup>2</sup>) .....

**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 types**  
 (complete if site has >10 artefacts)  

	✓	no.	%
quartz	<input checked="" type="checkbox"/>	1	.....
quartzite	<input type="checkbox"/>	.....	.....
silcrete	<input type="checkbox"/>	.....	.....
chert	<input type="checkbox"/>	.....	.....
chalcedony	<input type="checkbox"/>	.....	.....
rhyolite	<input type="checkbox"/>	.....	.....
volcanic	<input type="checkbox"/>	.....	.....
tuff	<input type="checkbox"/>	.....	.....
.....	<input type="checkbox"/>	.....	.....

### Artefact description (generalised recording)

(complete if site has >10 artefacts)

	✓	no.	percentage
flakes	<input checked="" type="checkbox"/>	1	.....
modified flakes	<input type="checkbox"/>	.....	.....
cores	<input type="checkbox"/>	.....	.....
lithic fragments	<input type="checkbox"/>	.....	.....
secondary flaking	<input type="checkbox"/>	.....	.....
use wear	<input type="checkbox"/>	.....	.....
alluvial cortex	<input type="checkbox"/>	.....	.....
microliths	<input type="checkbox"/>	.....	.....
backed blades	<input type="checkbox"/>	.....	.....
microblades	<input type="checkbox"/>	.....	.....
eloueras	<input type="checkbox"/>	.....	.....
hatchet head/frag't	<input type="checkbox"/>	.....	.....
microblade cores	<input type="checkbox"/>	.....	.....
bipolar flake/cores	<input type="checkbox"/>	.....	.....
hammerstones	<input type="checkbox"/>	.....	.....
anvil stones	<input type="checkbox"/>	.....	.....
grinding stones	<input type="checkbox"/>	.....	.....
hearth stones	<input type="checkbox"/>	.....	.....
manuports	<input type="checkbox"/>	.....	.....

### Archaeological Potential to:

be larger than record'd area: ☒ low ☐ mod. ☐ high ☐ can't tell  
 contain (more) artefacts: ☒ low ☐ mod. ☐ high ☐ can't tell  
 have subsurface mat'l: ☒ low ☐ mod. ☐ high ☐ can't tell  
 have in situ mat'l: ☒ low ☐ mod. ☐ high ☐ can't tell

### Site Condition/impacts

General rating ☐ poor ☐ good ☐ v. good ☐ excel. ☐ can't tell  
 visitor/landuse impacts: ☐ low ☐ mod. ☐ high ☐ can't tell  
 natural impacts: ☐ low ☐ mod. ☐ high ☐ can't tell  
☐ cultiv'n/plough'g ☐ veg'n clearnc ☐ erosion ☐ vehicle tracks  
☐ mech'l earth mov't/exc ☐ animal distrnc ☐ major constn ☐ fill  
☐ service easements ☐ fencing ☐ dam constn ☐ rubbish  
 Other/Describe:.....  
 .....

### Abraded or Pecked features

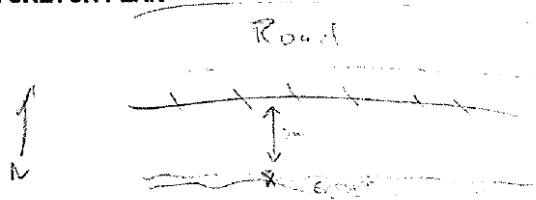
☐ grinding grooves: no. of grooves.....  
 no. of groups.....  
 groove length: max: ..... min: .....  
 groove width: max: ..... max: .....  
☐ channels: no. ....  
☐ other:.....

## 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	

## 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 Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

Standard Site Recording Form

New Recording ☒ Additionalinformation ☐

SITE IDENTIFICATION																	
Site name	WE52			NPWS Site Number													
Owner/manager	Wilpinjong Coal Mine																
Owner Address	Wollar Rd, Wilpinjong, NSW																
LOCATION																	
Location																	
How to get to the site																	
1:250,000 map name				NPWS map code													
AMG Zone	56	AMG Easting	767537	AMG Northing													
Method for grid reference	Topographic map	Map scale (if method = map)	1:25,000	Map name													
NPWS District				NPWS Zone													
Portion no.				Parish													
SITE DESCRIPTION																	
Site type(s)	Rockshelter			Site type code (NPWS use only)													
<b>Description of site and contents</b> 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 Archaeological Deposit																
	<table border="1"> <thead> <tr> <th rowspan="2">PAD rating</th> <th colspan="3">Dimensions (m)</th> <th rowspan="2">Deposit Depth (cm)</th> </tr> <tr> <th>L</th> <th>D</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>Mod</td> <td>6</td> <td>3</td> <td>1.8</td> <td>20</td> </tr> </tbody> </table>				PAD rating	Dimensions (m)			Deposit Depth (cm)	L	D	H	Mod	6	3	1.8	20
	PAD rating	Dimensions (m)				Deposit Depth (cm)											
L		D	H														
Mod	6	3	1.8	20													
																	
Attach photographs and sketches, eg. plan & section of shelter. Do NOT dig, disturb or damage site or contents.																	

Version: June 1998

Data entered by:

Date entered:





## Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

### Standard Site Recording Form

SITE ENVIRONMENT					
Land form	Upper Valley: escarpment		Aspect		Slope Moderate
Mark position of the site					
Local rock type			Land use/effect		
Distance from drinking water			Source		
Resource zone (eg. estuarine, river, forest)	Escarpment		Vegetation	Open Woodland (10-30m high)	
Edible plants			Faunal resources (include shellfish)		
Other exploitable resources (eg. ochre)					
Are there other sites in the locality	Yes	Are they in the Sites Register	No	Other site types include	Rockshelters, Open artefact Scatters, Isolated Finds, Waterholes, Scarred Tree
SITE MANAGEMENT					
Site condition	Good		Low visitor/landuse and natural impacts		
Management recommendations					
Have artefacts been removed from site	No		When		
By whom			Deposited at		
Consent applied for	<input checked="" type="checkbox"/>		Consent issued	<input type="checkbox"/>	
Date of issue			Consent number		
SITE INSPECTION AND RECORDING					
Reason for investigation	Supplemental survey of escarpment areas to identify additional Indigenous heritage resources				
Were local Aborigines contacted or present for the recording	<input type="checkbox"/> Not contacted <input checked="" type="checkbox"/> Contacted and present <input type="checkbox"/> Contacted but not present	Names and addresses	Kevin Williams: Murong Gialinga ATSIC Stephen Flick, Geoff Murray and Ben Mobbs: Mudgee LALC Emma Syme and Lynette Syme: North East Wiradjuri NTC Robyn Williams: Warrabinga NTC.		
Is the site important to local Aborigines	Not Significant				
Verbal/written reference sources				ASR report number(s)	C- C-
Photographs taken	Yes			No of Photos attached	1
Site recorded by	Sam Player			Date of recording	23/06/06
Address/institution	Kayandel Archaeological Services PO Box 440 Picton NSW 2571				

## **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**

Survey Area	Landform Element	Slope	Distance to Water (metres)	Vegetation	Land Surface	Exposure Type (Horizon)	Erosional/ Depositional	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments
WM1	simple slope	level - very gentle	>50	1	4	A	D	3,200	0.5	1	0.5%	mod	16	0	-	-	-	-	dense grass; moderate disturbance due to previous vegetation removal; bisected by Ullar-Wollar Road (modified)
WM2	spur crest	level - very gentle	>50	1	4	A	E/D	1,600	2	1	2%	mod	32	2	-	-	-	0.062	dense grass except for Telstra cable and animal track; sandy, wet; gravel - poor quality erosion scars
WM3	simple slope	level - very gentle	>50	1	4	A	E/D	2,400	50	1	50%	low	1,200	0	-	-	-	-	
WM4	spur crest	level - very gentle	>50	1	4	A	E/D	2,880	0.5	1	0.5%	low-mod	14	0	-	-	-	-	dense grass; very limited visibility; could not relocate WCP259
WM5	simple slope	gentle	<50	1	4	A	E	2,400	0.5	1	0.5%	mod	12	0	-	-	-	-	dense grass; near creek; moderate potential but very small impact area
WM6	drainage depression	gentle	<50	1	1, 4	A/B	E/D	1,760	60	1	1%	mod	18	0	-	-	-	-	earthworks; soil disturbance due to excavator and erosion
WM7	simple slope	gentle	>50	1	4, 5	A	E/D	400	5	1	5%	high	20	0	-	-	-	-	entrance road to mine; grass over fence
WM8	simple slope	gentle	>50	1	4, 5	A	E	1,920	20	1	5%	mod - high	96	0	-	-	-	-	cleared track along fence line; old earthworks; erosional pits; low potential
WM9	drainage depression	gentle	<50	1	4, 5	A/B	E/D	2,400	40	1	1%	mod - high	24	0	-	-	-	-	borrow pits, earthworks, mostly fill
WM10	simple slope	gentle	>50	1, 2	1	A	E	7,200	5	1	5%	low	360	2	tuff	outcrop	<10	0.006	grass area north-west section; almost moderate slope; area contains open forest and grass; tufaceous 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)
WM11	simple slope	moderate	>50	1	4	A	E	9,600	20	1	20%	low	1920	4	sandstone	outcrop	<10	0.002	almost gentle slope; tufaceous stone, quartz and sandstone cobbles present on moderate slope; cleared, pastoral use; borders steep forested slope (fence line); east portion contains regrowth pines and prickly bushes
WM12	simple slope	gentle	>50	1	1, 4, 5	A	E/D	4,200	0.5-90	1	0.5-90	low - mod	1504	1	sandstone	outcrop	<10	0.001	grassy area, exposed outcrops, vehicle track



**WILPINJONG MODIFICATION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area	Landform Element	Slope	Distance to Water (metres)	Vegetation	Land Surface	Exposure Type (Horizon)	Erosional/ Depositional	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments
WM13	simple slope	steep	>50	1, 2	1, 2	A/B	E	2,800	70-90	1	70-90	low - mod	2360	0	sandstone	outcrop	10-50	-	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
WM14	drainage depression	steep	<50	1, 2	1, 4	A	E	320	80	1	10%	low	32	0	sandstone and tufaceous	outcrop	<10	-	
WM15	spur crest	steep	<50	1, 2	4	A	E	200	50	1	50%	low	100	0	tufaceous	outcrop	<10	-	ochrous material - yellow/orange
WM16	simple slope	steep	>50	1	1, 4	A/B	E	8,800	20	1	20%	low	1760	0	ochre	outcrop	<10	-	erosion scours among dense grass; tufaceous; ochre material
WM17	hillock	level - very gentle	>50	1	4	A	E/D	1,200	5	1	5%	low	60	0	-	-	-	-	hillock on ridge
WM18	ridge crest	level - very gentle	>50	1	4	A	E	9,600	5	1	5%	low	480	11	-	-	-	0.023	grassy crest between two knolls
WM19	hillock	level - very gentle	>50	1, 2	1	A	E	120	70	1	70%	low	84	0	sandstone	open surface, outcrop	10-50	-	prominent knoll/hillock; box regrowth around; exposed (eroded) claystone and sandstone; good vantage point for surrounding area
WM20	simple slope	moderate	>50	1	1, 4	A	E	1,000	5	1	5%	low	50	0	tuff	outcrop	10-50	-	erosion scours; steep slope around hillock
WM21	spur crest	moderate	>50	1, 2	4	A	E	2,000	2	1	2%	low	40	0	sandstone and tuff	outcrop	10-50	-	almost gentle slope
WM22	drainage depression	moderate	<50	1, 2	4, 5	A	E	1,200	2-60	1	2-60	low	60	0	sandstone	outcrop	<10	-	farm dam
WM23	spur crest	gentle	<50	1, 2	4	A	E/D	3,200	2	1	2%	low	64	0	tufaceous	outcrop	<10	-	
WM24	simple slope	moderate	<50	1	4	A	E	400	1	1	1%	low	4	0	-	-	-	-	dense grass
WM25	drainage depression	moderate	<50	1	4	A	E	400	1	1	1%	low	4	0	-	-	-	-	dense grass
WM26	simple slope	moderate	<50	1	1, 4	A	E	460	1-90	1	1-90	low	58	0	tufaceous	outcrop	<10	-	dense grass; erosion scour
WM27	simple slope	moderate	>50	1	4, 5	A/B	E/D	5,200	1-80	1, 3	1-10	high	88	0	-	-	-	-	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

**WILPINJONG MODIFICATION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area	Landform Element	Slope	Distance to Water (metres)	Vegetation	Land Surface	Exposure Type (Horizon)	Erosional/ Depositional	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments
WM28	drainage depression	gentle	<50	1	4, 5	A/B	E/D	800	1-80	1, 3	1-10	low-high	38	0	-	-	-	-	erosion and earthworks; low potential but appears to be heavily disturbed by adjacent mining operations; dozer track present along edge of pit; potentially a quantity of fill
WM29	simple slope	moderate	>50	1	4, 5	A/B	E/D	520	1-80	1, 3	1-10	low-high	16	0	-	-	-	-	erosion and earthworks; low potential but appear to be heavily disturbed by adjacent mining operations; dozer track present along edge of pit; ignored microtopography
WM30	simple slope	gentle	>50	1	1, 4, 5	A	E/D	28,000	1-70	1	1-60	low	1696	5	sandstone	open surface, outcrop	<10	0.003	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
WM31	spur crest	level - very gentle	>50	1	1, 4	A	E	360	10	1	10%	low	36	0	tuffaceous	outcrop	10-50	-	grassy low, residual bedrock spur
WM32	spur crest	level - very gentle	>50	1	4	A	E/D	17,100	5-60	1	5-60	low	1680	160	-	-	-	0.100	pastoral use; road; extensive site; broad very gentle crest, almost a terrace and slope almost gentle 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)
WM33	ridge crest	gentle	>50	1, 2	4, 5	A	E/D	5,300	10-80	1, 2	10-80	low	1090	0	sandstone	outcrop	<10	-	disturbance from previous vegetation removal, logging and vehicle tracks; low potential
WM34	ridge crest	gentle	>50	1, 2	1, 4	A	E/D	900	10	1, 2	10%	low	90	0	sandstone	open surface, outcrop	<10	-	cleared, grassy area in parts; Transgrid crosses just to east; almost very gentle gradient
WM35	simple slope	moderate	>50	2	4	A	E	5,400	5	1, 2	5%	low	270	0	sandstone	boulder, outcrop	10-50	-	modest amount of tuff and tuffaceous material present; ironbark, box and apple gum in forest; affected by previous logging
WM36	simple slope	gentle	>50	2	4	A	E	2,400	5	1, 2	5%	low	120	3	-	-	-	0.025	forest; site on entrance road; dense leaf litter
WM37	drainage depression	gentle	<50	1, 2	4, 5	A	E	240	50	1, 2	50%	mod	120	0	sandstone	open surface, outcrop	<10	-	head of drainage; low potential

**WILPINJONG MODIFICATION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area	Landform Element	Slope	Distance to Water (metres)	Vegetation	Land Surface	Exposure Type (Horizon)	Erosional/ Depositional	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments
WM38	simple slope	gentle	>50	2	4	A	E	12,160	5-95	1, 2	5-95	low	1424	0	sandstone	open surface, boulder, outcrop	<10	-	ignored microtopography; parts almost drainage; pine, regrowth forest; some sandstone outcrops; minor quartz gravel
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																			
Detection Limiting Factors - 1 = vegetation; 2 = leaf litter/gravel; 3 = sediment deposition; 4 = other																			