

Appendix E

New Site Cards

OPEN/CLOSE SITE ☒ Open Site

Site Context

Landform

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

1 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☒ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 0 metres

Distance to temporary water source metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Aboriginal									
Archaeological Due Diligence for area of possible future									
works. Report prepared for Rix's Creek Pty Ltd.									

Site Location Map



General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☒ E-W
☐ SE-NW
☐ N/A

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

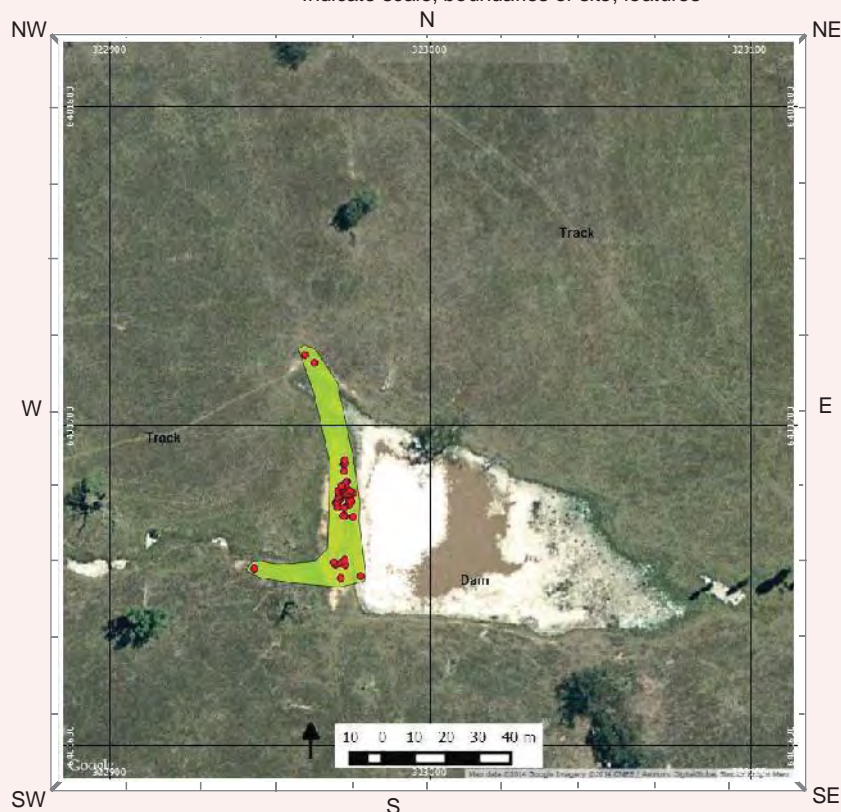
Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 60 Total length of visible site
 25 Average width of visible site
 1500 sqm Estimated area of visible site
 60 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

Rixs Creek AS1, is an artefact scatter site identified in a disturbed context on the wall of a dam located adjacent to Dead Mans Gully. A total of 31 artefacts were identified at this site, with raw materials consisting predominantly of silcrete and indurated tuff/mudstone. Other raw materials present in lesser numbers included quartz and fine grained siliceous. Artefact types included cores, flakes, flake shatter, angular shatter and retouched flakes

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. On the left side, there is a vertical orange margin line. The paper appears to be part of a notebook or a set of stationery.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 1"/>
First recorded date	<input type="text" value="6/2/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="31"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m) Width (m) Depth (m)

In situ

Stratified

Feature Condition

General Condition

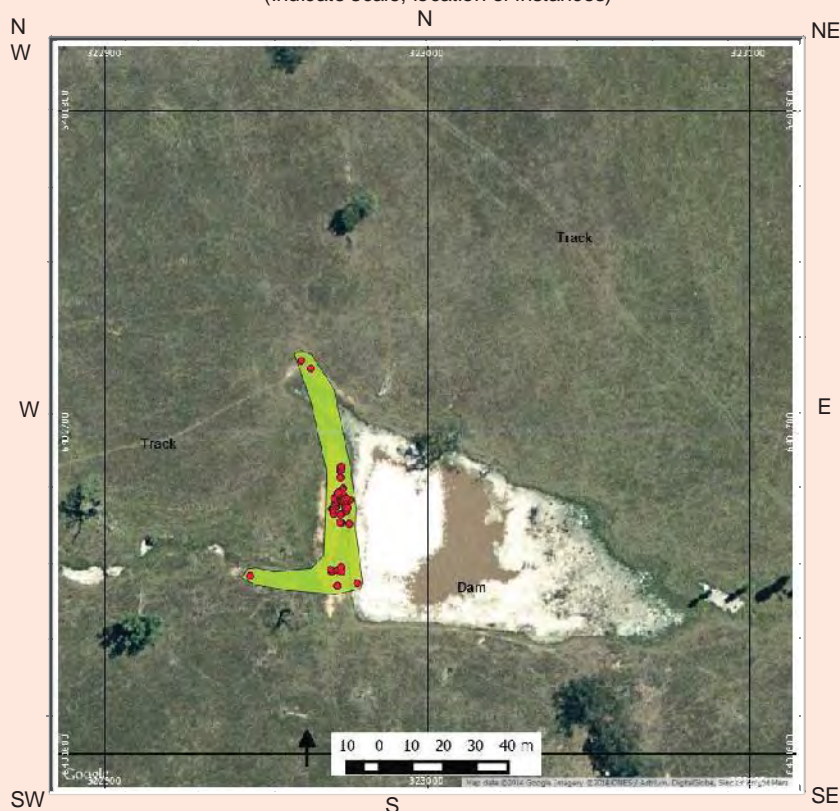
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

See attached sheet for artefact list with measurements.



Plate 1 Rixs Creek ASI view north from 322972mE 6401680mN



Plate 2 Rixs Creek ASI view south from 322972mE 6401680mN



Plate 3 Rixs Creek ASI artefacts in situ



Plate 4 Rixs Creek ASI sample of artefacts

Rixs Creek AS1

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322972.98540438490454108 6401687.76027133874595165)	IM/Tuff	Angular Shatter	NA	0	11.4	0	0	None	NA	NA	0
POINT(322973.96918265853310004 6401682.40412466786801815)	IM/Tuff	Angular Shatter	NA	0	22.1	0	0	None	NA	NA	0
POINT(322973.33506204327568412 6401671.54485959000885487)	Silcrete	Angular Shatter	NA	0	21.1	0	0	None	NA	NA	0
POINT(322973.26421070192009211 6401657.82881242875009775)	IM/Tuff	Angular Shatter	NA	0	9.9	0	0	None	NA	NA	0
POINT(322970.78246649692300707 6401675.66029980964958668)	Silcrete	Angular Shatter	NA	0	37.8	0	0	Yes	NA	NA	0
POINT(322972.36050753330346197 6401681.07653491944074631)	IM/Tuff	Angular Shatter	NA	0	25.4	0	0	None	NA	NA	0
POINT(322974.85085149900987744 6401679.23199292551726103)	Silcrete	Core	Bifacial	0	62.7	50.8	43.1	None	NA	14	36
POINT(322975.86684051982592791 6401671.2529461495578289)	IM/Tuff	Core	Unidirectional	0	50.6	45.3	20.7	Yes	Single	NA	0
POINT(322970.89351663115667179 6401674.34349421784281731)	Silcrete	Core	Multidirectional	2	49.5	34.5	25.2	None	NA	2	23
POINT(322972.73341722617624328 6401678.41424430906772614)	Silcrete	Core	Unidirectional	1	41.4	29.6	22.8	None	NA	4	33.9
POINT(322944.9413647725014016 6401655.07055447902530432)	IM/Tuff	Core	Complete	1	81.4	83.2	34.1	Yes	Cortical	20+	19.7
POINT(322963.83180670335423201 6401719.56065660901367664)	IM/Tuff	Flake	Broken Flake (Proximal)	0	23.2	0	0	None	Single	NA	0
POINT(322973.40591138403397053 6401688.14723723381757736)	IM/Tuff	Flake	Broken Flake (Proximal)	0	14.6	0	0	None	Single	NA	0
POINT(322973.68494497757637873 6401682.07819445338100195)	Porcellanite	Flake	Complete	0	22.6	19.4	13.1	None	Single	NA	0
POINT(322973.94197221228387207 6401680.33666257560253143)	IM/Tuff	Flake	Broken Flake (Proximal)	0	25.4	0	0	Yes	Single	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322975.05756147007923573 6401677.93559714686125517)	IM/Tuff	Flake	Complete	0	42	27.6	11.9	None	Single	NA	0
POINT(322974.38461822632234544 6401677.49157757218927145)	IM/Tuff	Flake	Complete	0	13.6	11	3.3	None	Single	NA	0
POINT(322973.57689085137099028 6401678.65244360081851482)	IM/Tuff	Flake	Complete	0	14	5.7	2.5	None	Crushed	NA	0
POINT(322974.68154125311411917 6401675.15375312138348818)	IM/Tuff	Flake	Broken Flake (Proximal)	0	17.5	0	0	None	Crushed	NA	0
POINT(322972.03611108695622534 6401652.11408960074186325)	IM/Tuff	Flake	Broken Flake (Proximal)	0	42.9	0	0	Yes	Cortical	NA	0
POINT(322972.01950044481782243 6401656.82800724357366562)	IM/Tuff	Flake	Complete	0	38	17.9	9.5	Yes	Single	NA	0
POINT(322973.19684489449718967 6401674.26730410195887089)	IM/Tuff	Flake	Split Flake (Siret)	0	18.7	0	0	None	NA	NA	0
POINT(322970.47111373714869842 6401675.8487447202205658)	IM/Tuff	Flake	Complete	0	31.4	24.4	5.6	None	Multiple	NA	0
POINT(322970.89822884451132268 6401675.71678161155432463)	IM/Tuff	Flake	Complete	0	20.1	15.1	5.4	None	Cortical	NA	0
POINT(322970.75003861950244755 6401675.52974977064877748)	IM/Tuff	Flake	Complete	0	19.7	34.6	9.1	None	Single	NA	0
POINT(322971.742933503235094249 6401676.69132728688418865)	IM/Tuff	Flake	Complete	0	38.3	39.1	12.8	None	Single	NA	0
POINT(322972.10026431636651978 6401677.91975895967334509)	IM/Tuff	Flake	Complete	0	24.9	27.5	7.3	1-50%	Cortical	NA	0
POINT(322971.79323612817097455 6401678.6678563579916954)	IM/Tuff	Flake	Broken Flake (Proximal)	0	37.8	0	0	None	NA	NA	0
POINT(322971.56171153980540112 6401677.68404344841837883)	Silcrete	Flake	Complete	0	24.6	34.9	7.5	None	Multiple	NA	0
POINT(322971.28203841578215361 6401678.84293011482805014)	IM/Tuff	Flake	Complete	0	38	17.9	5.5	None	Faceted	NA	0
POINT(322971.17403318523429334 6401679.29347237013280392)	IM/Tuff	Flake	Complete	0	21.9	33.5	5.1	None	Single	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322972.21367042808560655 6401680.98299095127731562)	Silcrete	Flake	Broken Flake (Proximal)	0	15.6	0	0	None	Single	NA	0
POINT(322973.26830979739315808 6401689.16778126824647188)	IM/Tuff	Flake Shatter	NA	0	24.7	0	0	None	NA	NA	0
POINT(322970.34717117180116475 6401656.40020153671503067)	IM/Tuff	Flake Shatter	NA	0	12.1	0	0	None	NA	NA	0
POINT(322969.96084011124912649 6401657.09272879362106323)	IM/Tuff	Flake Shatter	NA	0	13.2	0	0	None	NA	NA	0
POINT(322973.47542344324756414 6401656.32796988263726234)	Silcrete	Flake Shatter	NA	0	22.1	0	0	None	NA	NA	0
POINT(322973.07088723086053506 6401674.13863740768283606)	IM/Tuff	Flake Shatter	NA	0	30.6	0	0	None	NA	NA	0
POINT(322971.151966706616804 6401677.247771967202425)	IM/Tuff	Flake Shatter	NA	0	17	0	0	None	NA	NA	0
POINT(322971.45694619638379663 6401677.82144661992788315)	IM/Tuff	Flake Shatter	NA	0	30.6	0	0	None	NA	NA	0
POINT(322972.92797207820694894 6401671.66190850082784891)	IM/Tuff	Retouched Flake	NA	0	28.2	8.9	6.5	None	NA	NA	0



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☒ Flat
☐ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

0 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 2,000 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Rixs Creek

Name of nearest temporary water Dead Mans Gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☒ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
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☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
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☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of two artefacts, both FGS Other flakes. The centroid coordinate for this site was GDA94 Zone 56 323136mE 6401724mN. The artefacts were immediately adjacent to Dead Mans Gully in a highly modified area next to a dam. Ground surface visibility was very poor (5%) in this area due to vegetation cover.

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 2"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="2"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>		
Artefacts collected	<input type="text" value="No"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Permit issued	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
		<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m) Width (m) Depth (m)

In situ

Stratified

Feature Condition

General Condition

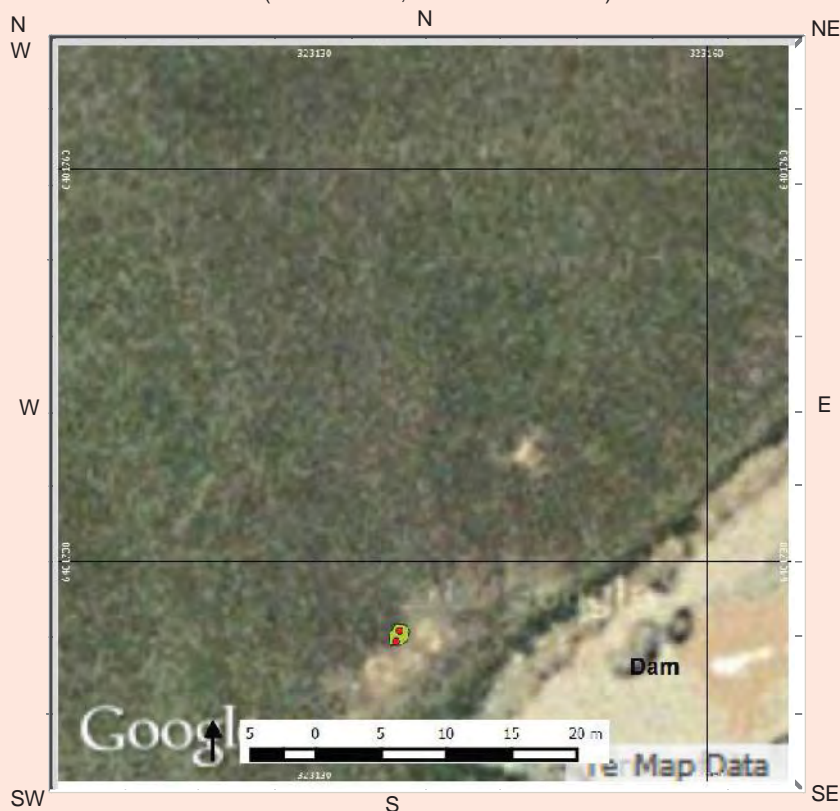
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☒ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

[illegible]



Plate 1 View north across Rixs Creek AS2



Plate 2 Rixs Creek AS2 artefacts, two FGS Other flakes

Rixs Creek AS2

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(323136.22855914628598839 6401723.88697401247918606)	FGS Other	Flake	Complete	0	22	20.8	4.6	None	Single	NA	0
POINT(323136.49279935203958303 6401724.69491520896553993)	FGS Other	Flake	Complete	0	28	13	3.6	None	Single	NA	0



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☒ Flat☐ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Slope** degrees**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

WaterDistance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water **Directions for Relocation**

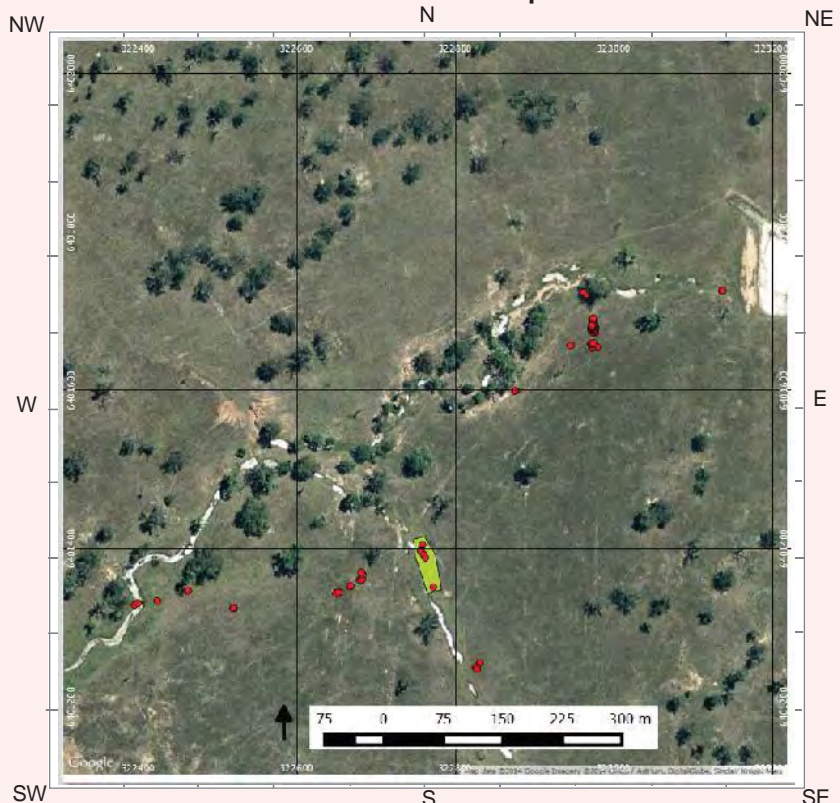
Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

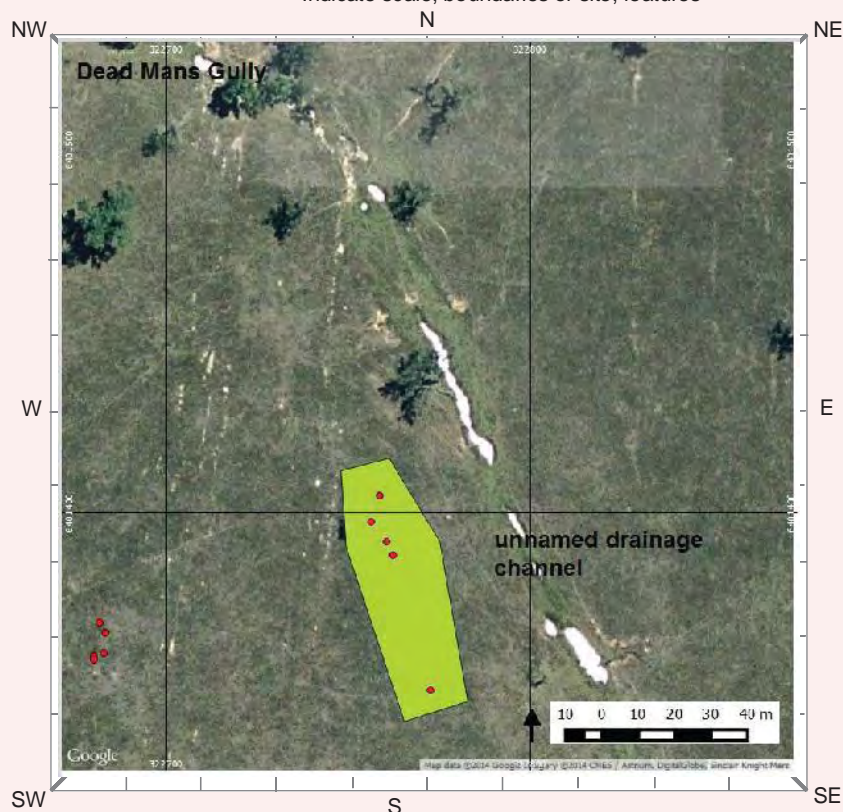
Site Orientation

- ☐ N-S
☐ NE-SW
☒ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 70 Total length of visible site
 25 Average width of visible site
 1750 sqm Estimated area of visible site
 70 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of four artefacts, three silicified tuff flakes and one FGS Other flake shatter. The centroid coordinate for this site was GDA94 Zone 56 322762mE 6401386mN. The artefact were located on the southern side of Dead Mans Gully in an area of erosion. Ground surface visibility was very good (90%) within this site area.

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 3"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="5"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m) Width (m) Depth (m) In situ Stratified

Feature Condition

General Condition

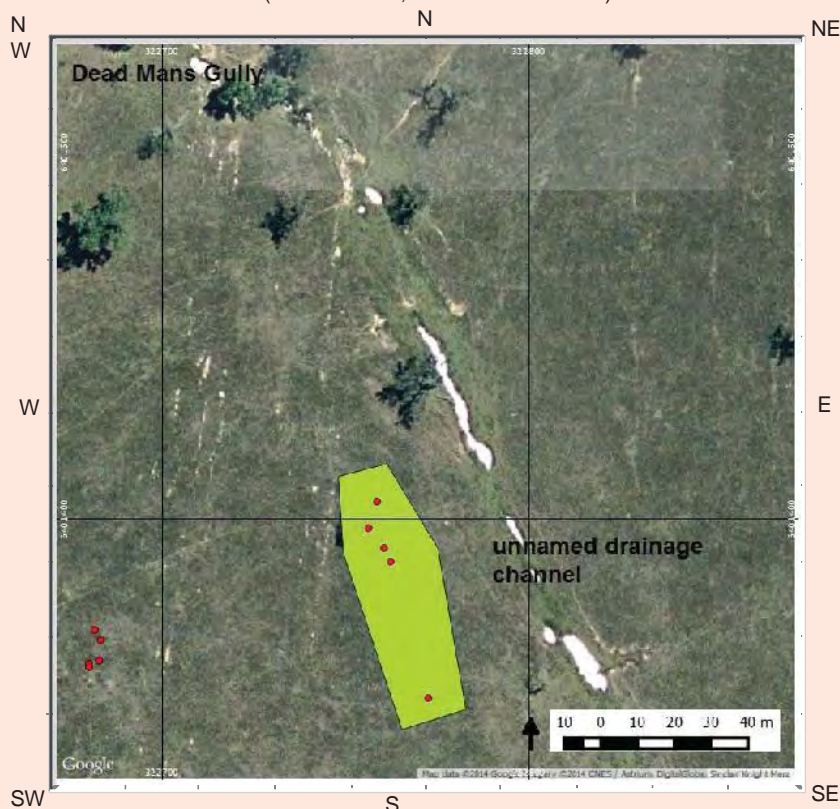
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☐ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source metres

Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible]

Instance No.	Recording Date	Artefact Material	Other Artefact Type		Description	Length (mm)	Width (mm)	Thickness (mm)
			Artefact Type					
1	27/5/2014	FGS Other	Flake shatter	Shatter		22.7		
2	27/5/2014	IM/Tuff	Flake	Complete		40.7	24.6	9.1
3	27/5/2014	IM/Tuff	Flake	Complete		46.7	39.3	13.9
4	27/5/2014	IM/Tuff	Flake	Complete		21	11.4	5

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

High/strong
High/weak
Low/weak
Irregular

[illegible]

Rixs Creek AS3

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322758.61450872477144003 6401404.37425251584500074)	FGS Other	Flake Shatter	NA	0	22.7	0	0	None	NA	NA	0
POINT(322760.504955098265782 6401391.70764568448066711)	IM/Tuff	Flake	Complete	0	40.7	24.6	9.1	1-50%	Cortical	NA	0
POINT(322762.2421893451246433 6401388.00906559452414513)	IM/Tuff	Flake	Complete	0	46.7	39.3	13.9	None	Cortical	NA	0
POINT(322772.60812708165030926 6401350.77457325998693705)	IM/Tuff	Flake	Complete	0	21	11.4	5	1-50%	Single	NA	0



Plate 1 View north across Rixs Creek AS3



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

2 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☒ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 160 metres

Distance to temporary water source 5 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage channel

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

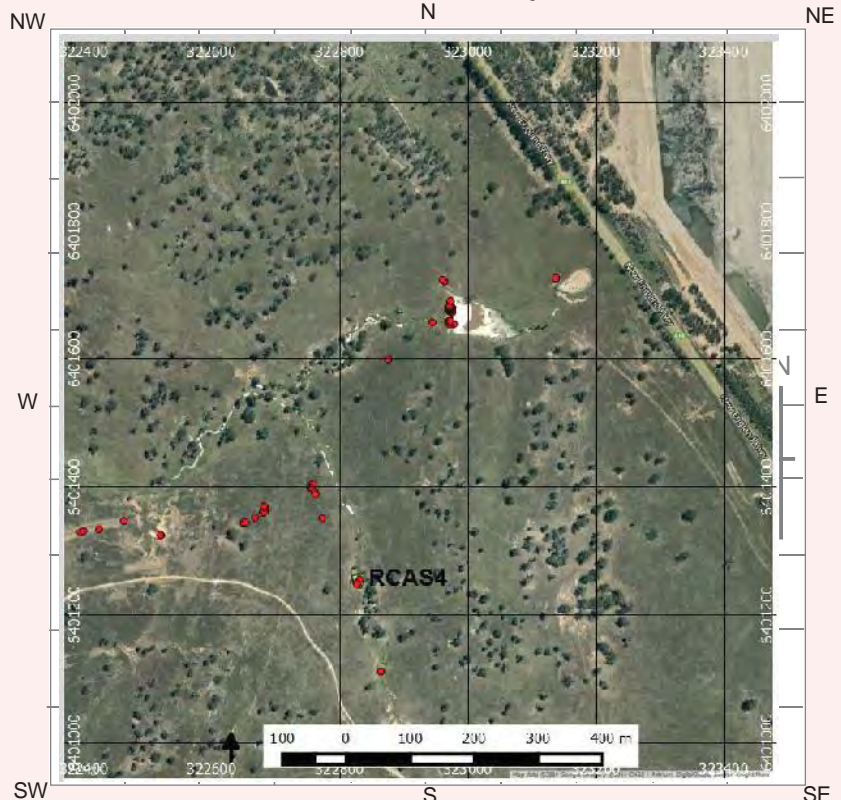
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☒ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 300 sqm Estimated area of visible site
 20 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of three artefacts, being two silicified tuff flakes and one silcrete flake. The centroid coordinates for this site were GDA94 Zone 56 322828mE 6401254mN. The artefacts were located in an eroded area adjacent to a fenceline. Ground surface visibility was very good (90%) in this area.

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 4"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="3"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

 Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="20"/>	Length (m)	<input type="text" value="15"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text" value="No"/>
										Stratified	Yes <input type="text"/> No <input type="text" value="No"/>

(Artefact count per square metre)

Feature Condition

General Condition

- | | |
|--|--|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input checked="" type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input checked="" type="checkbox"/> Erosion |
| | <input type="checkbox"/> Stock damage |
| | <input type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Lower slope"/>	Land form unit
<input type="text" value="2"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="160"/>	metres
Distance to temporary water source	<input type="text" value="5"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

W
Focal
Shattered
Indeterminate
Bipolar

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

High/strong
High/weak
Low/weak
Irregular

[illegible]

Rixs Creek AS4

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322827.56360843405127525 6401247.14310468267649412)	Silcrete	Flake	Complete	0	38.4	36.1	9.7	51-99%	Single	NA	0
POINT(322831.36408203339669853 6401254.82088367640972137)	IM/Tuff	Flake	Complete	0	33.8	32.5	10.7	None	Single	NA	0
POINT(322825.9028557482524775 6401249.40577144268900156)	IM/Tuff	Flake	Complete	0	66.9	54.1	23.5	1-50%	Single	NA	0



Plate 1 View east across Rixs Creek AS4



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Non-Differential GPS

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☒ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

1 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 65 metres

Distance to temporary water source 30 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage channel

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Open Site

Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

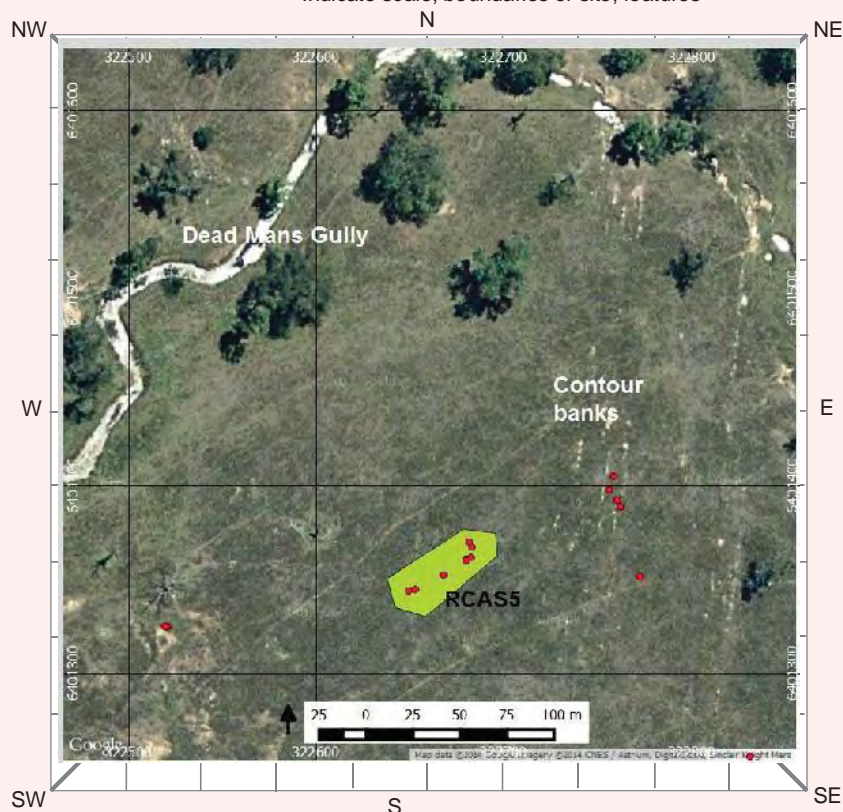
Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 1500 sqm Estimated area of visible site
 60 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of eight silicified tuff artefacts. This was seven flakes and one retouched flake. The centroid coordinates for this site were GDA94 Zone 56 322668mE 6401355mN. The site area was on the southern side of Dead Mans Gully in a lower slope area previously disturbed by contour banks, earthworks, vegetation clearance, grazing and erosion. Ground surface visibility was fair (40%) at this site.

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 5"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="8"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>		
Artefacts collected	<input type="text" value="No"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Permit issued	<input type="text" value="No"/>	0-9% <input type="text"/> 10-19% <input type="text"/> 20-29% <input type="text"/> 30-39% <input type="text"/> 40-49% <input type="text"/> 50-59% <input type="text"/> 60-69% <input type="text"/> 70-79% <input type="text"/> 80-89% <input type="text"/> 90-100% <input type="text"/>	

Feature Context & Condition
 Scatter No. Easting Northing

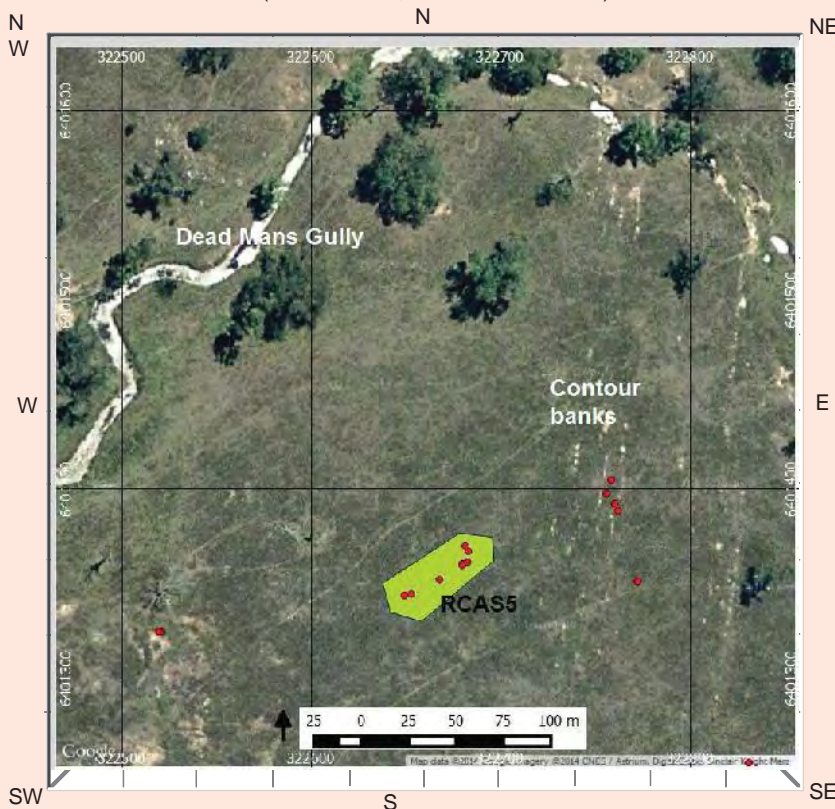
Density	Dimensions	Yes	No
(Artefact count per square metre) <input type="text" value="2"/>	<input type="text" value="60"/> Length (m) <input type="text" value="25"/> Width (m) <input type="text"/> Depth (m) <input type="text"/>	In situ	<input type="text" value="No"/>
		Stratified	<input type="text" value="No"/>

Feature Condition General Condition

<input type="checkbox"/> Very good	<input checked="" type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input type="checkbox"/> Stock damage
	<input checked="" type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)**Feature Environment**

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Lower slope"/>	Land form unit
<input type="text" value="1"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="65"/>	metres
Distance to temporary water source	<input type="text" value="30"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS5

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322681.49581082223448902 6401369.37290564924478531)	IM/Tuff	Retouched Flake	Broken Flake (Proximal)	0	71.2	31.3	9.2	Yes		NA	0
POINT(322649.24231983826030046 6401343.19666179828345776)	IM/Tuff	Flake	Complete	0	27.2	24.6	14.3	None	Multiple	NA	0
POINT(322652.86696753319120035 6401344.0044263768941164)	IM/Tuff	Flake	Complete	0	10.7	9.7	3.4	None	Single	NA	0
POINT(322667.83603665803093463 6401351.65528837312012911)	IM/Tuff	Flake	Complete	0	27.8	17	5	1-50%	Single	NA	0
POINT(322679.90228740905877203 6401360.13887636177241802)	IM/Tuff	Flake	Complete	0	27.3	22.5	5.6	None	Single	NA	0
POINT(322679.94199291325639933 6401359.23557913117110729)	IM/Tuff	Flake	Complete	0	21.7	9.8	3.2	None	Single	NA	0
POINT(322682.68917466828133911 6401360.97619632631540298)	IM/Tuff	Flake	Broken Flake (Proximal)	0	21.8		0	Yes	Crushed	NA	0
POINT(322683.1026437800610438 6401366.59888224862515926)	IM/Tuff	Flake	Complete	0	20.9	24.6	4.9	None	Single	NA	0



Plate 1 View east across Rixs Creek AS5



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☒ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

2 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 2,500 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Rixs Creek

Name of nearest temporary water Dead Mans Gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

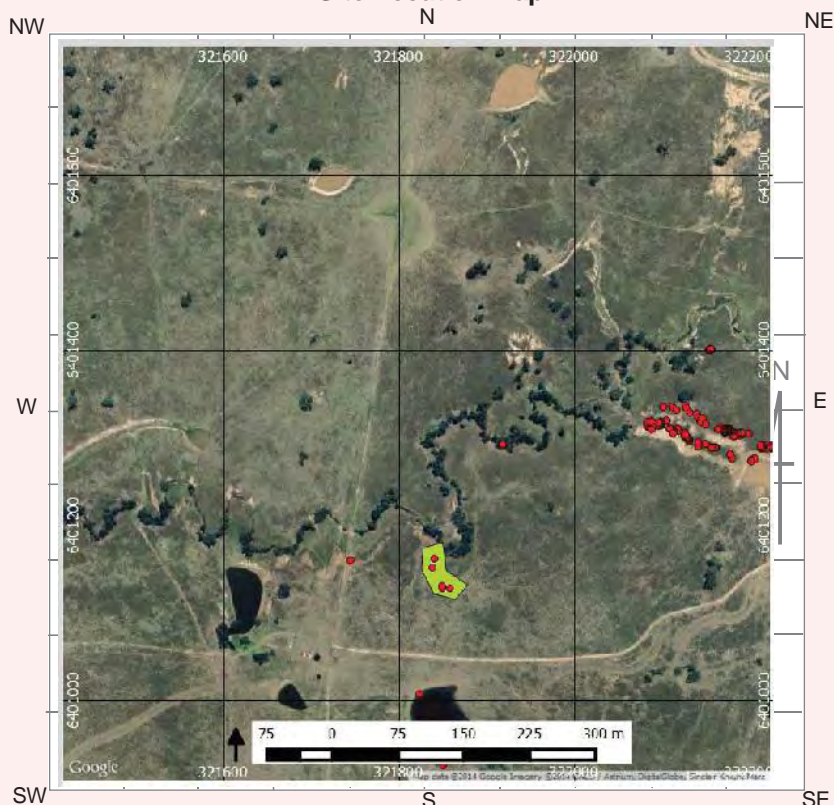
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

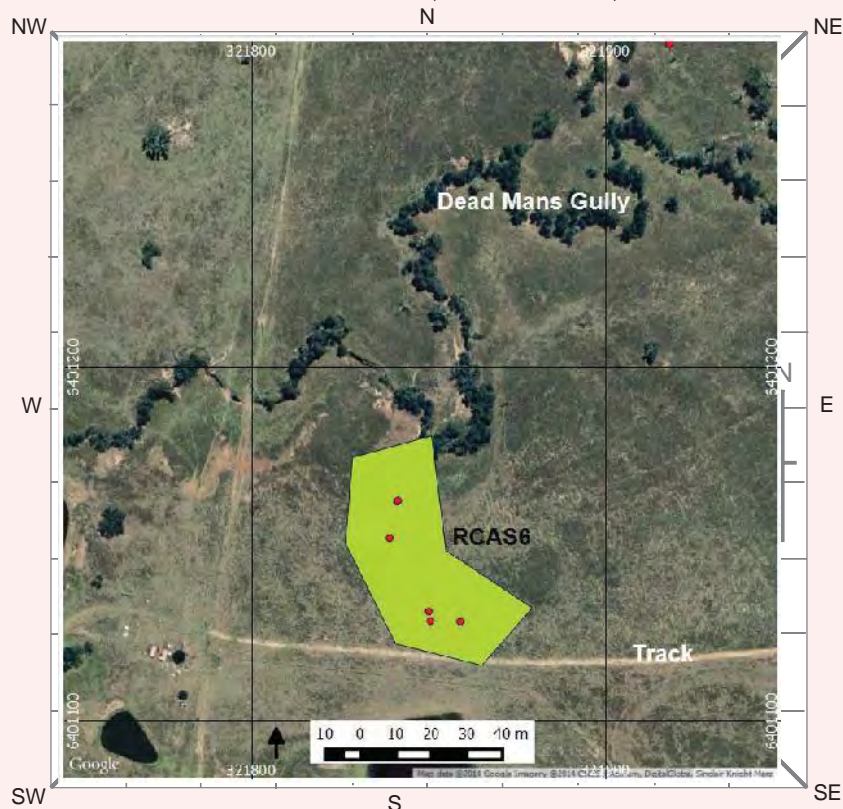
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 60 Total length of visible site
 25 Average width of visible site
 1500 sqm Estimated area of visible site
 60 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of five artefact located on the southern bank of Dead Mans Gully. The centroid coordinate for this site was GDA94 Zone 56 321846mE 6401142mN. The artefacts included flakes and flake shatter of silcrete, quartz and silicified tuff raw materials. The ground surface visibility at this location was poor (15%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 6"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="5"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

Recommended Action

☐

Very good

☒

Weathered

☐

Boardwalk

☐

Revegetation

☐

Good

☐

Vehicle damage

☐

Fencing

☐

Signage

☒

Poor

☒

Surface water wash

☐

Closure to public

☐

Soil erosion control

☐

Fire damage

☐

Continued inspection

☐

Track closure/re-routing

☒

Erosion

☐

Fire hazard reduction

☐

Additional recording

☒

Stock damage

☐

Expert assessment

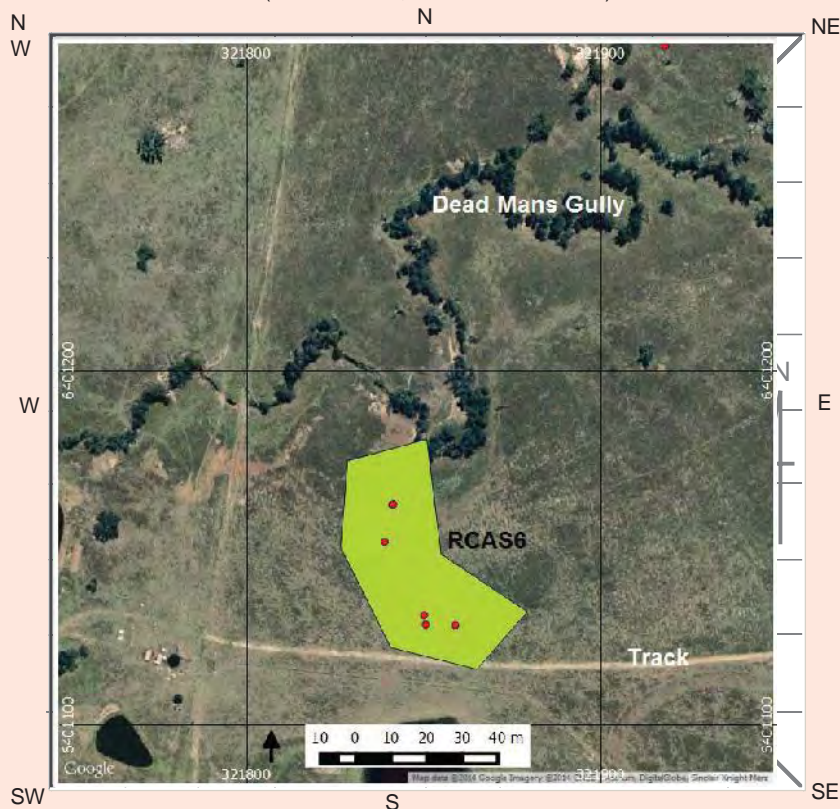
☐

Exposed archaeological material

☐

Meeting with land manager

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source

metres

Distance to temporary water source

metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

See attached sheet for artefact details.

[illegible]

Rixs Creek AS6

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(321859.00288698571966961 6401127.83950452134013176)	Silcrete	Flake Shatter	NA	0	47.5	0	0	None	NA	NA	0
POINT(321850.62589716643560678 6401128.03832324780523777)	Silcrete	Flake	Complete	0	30.1	40.1	9.7	None	Multiple	NA	0
POINT(321850.15208798262756318 6401130.69922404550015926)	IM/Tuff	Flake	Broken Flake (Proximal)	0	24.5	0	0	None	Single	NA	0
POINT(321841.19347309821750969 6401161.80274819396436214)	Quartz	Flake	Broken Flake (Proximal)	0	19.1	0	0	Yes	Single	NA	0
POINT(321841.4573857908253558 6401162.06426836457103491)	IM/Tuff	Flake	Broken Flake (Proximal)	0	14.9	0	0	None	Single	NA	0



Plate 1 View west across Rixs Creek AS6



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☒ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Slope** degrees**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

WaterDistance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water **Directions for Relocation**

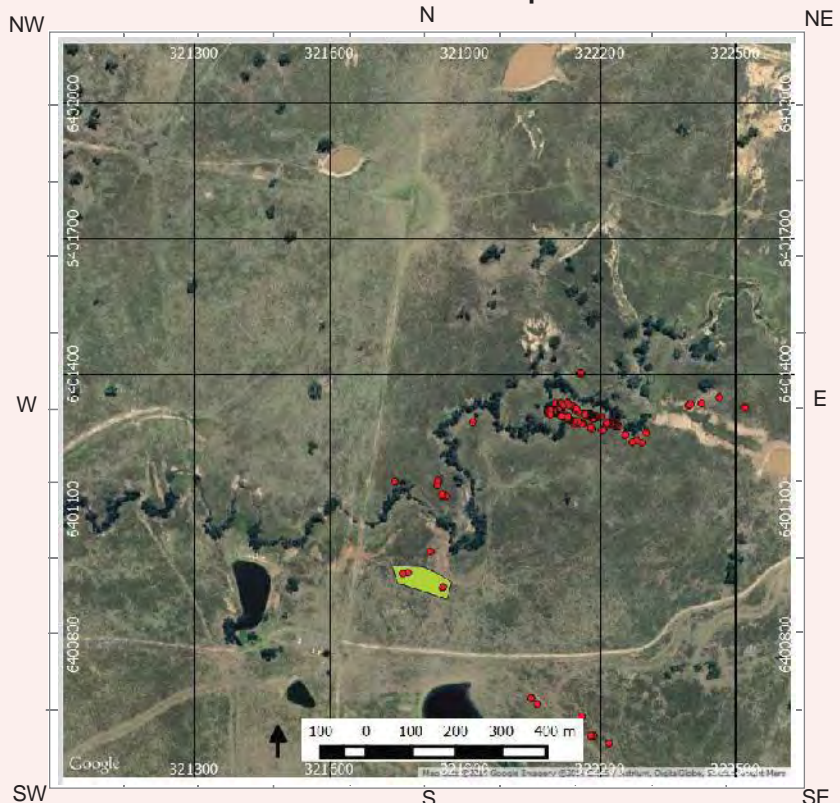
Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

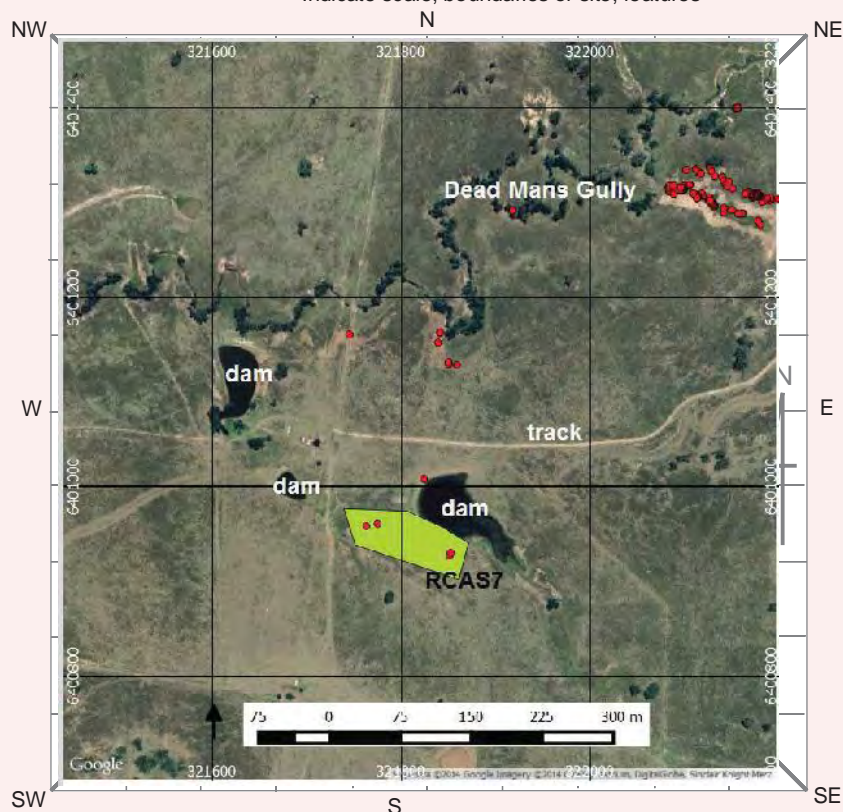
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 120 Total length of visible site
 50 Average width of visible site
 6000 sqm Estimated area of visible site
 120 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of four artefacts located around the edges of a dam. The centroid coordinate for this site was GDA94 Zone 56 321814mE 6400941mN. The artefacts consisted of flakes and flake shatter of silicified tuff and Fine Grained Siliceous raw material. The area had been heavily disturbed by earthmoving works associated with the dam construction and stock trampling. Ground surface visibility was good (50%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 7"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="4"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	<input type="text" value="2"/>	Dimensions	<input type="text" value="120"/>	Length (m)	<input type="text" value="50"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
										Stratified	Yes <input type="text"/> No <input type="text"/>

(Artefact count per square metre)

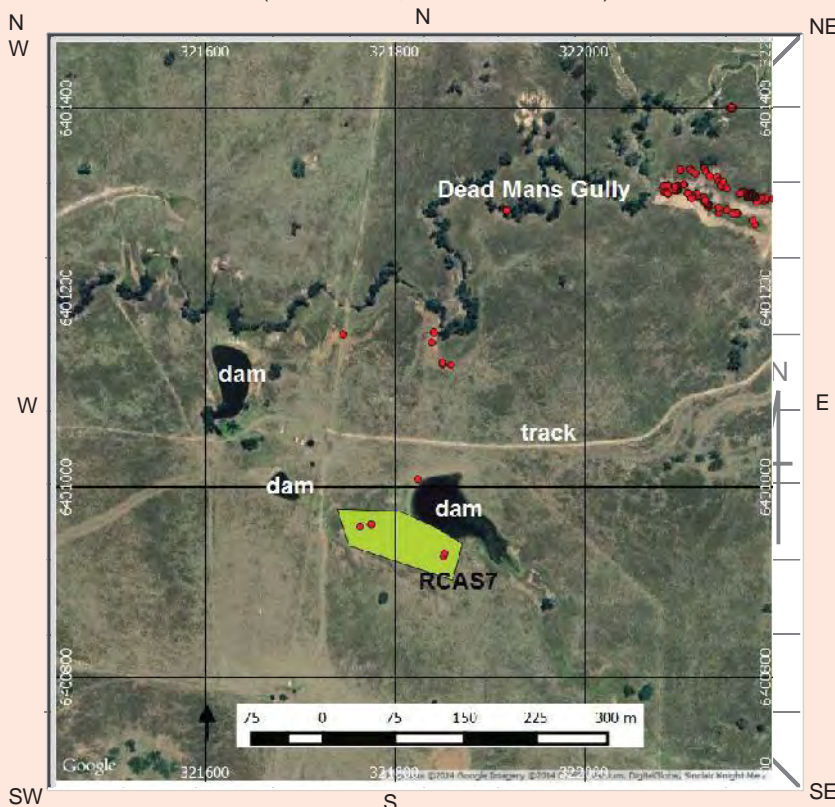
Feature Condition General Condition

<input type="checkbox"/> Very good	<input checked="" type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input checked="" type="checkbox"/> Stock damage
	<input checked="" type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Lower slope"/>	Land form unit
<input type="text" value="2"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="145"/>	metres
Distance to temporary water source	<input type="text" value="0"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

See attached sheet for artefact details.

[illegible]

Rixs Creek AS7

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(321775.04472152795642614 6400959.45820682495832443)	IM/Tuff	Flake	Complete	0	16.4	24.1	4.5	None	Single	NA	0
POINT(321763.15857331280130893 6400957.0889025442302227)	FGS Other	Flake Shatter	NA	0	14.1	0	0	None	NA	NA	0
POINT(321851.3857381361303851 6400925.68814671598374844)	IM/Tuff	Flake	Broken Flake (Proximal)	0	17.7	0	0	Yes	Single	NA	0
POINT(321852.5446271498221904 6400928.59853239078074694)	IM/Tuff	Flake	Complete	0	32.7	41.3	9	1-50%	Single	NA	0



Plate 1 View east across Rixs Creek AS7



Plate 2 Rixs Creek AS7 sample artefact



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☒ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Slope** degrees**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

WaterDistance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water **Directions for Relocation**

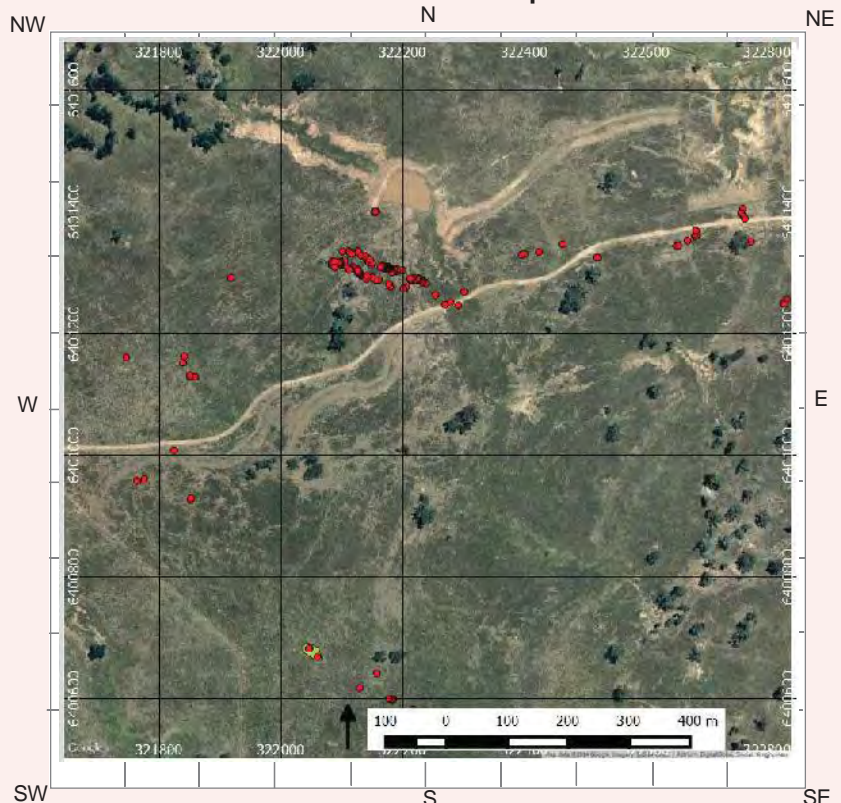
Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

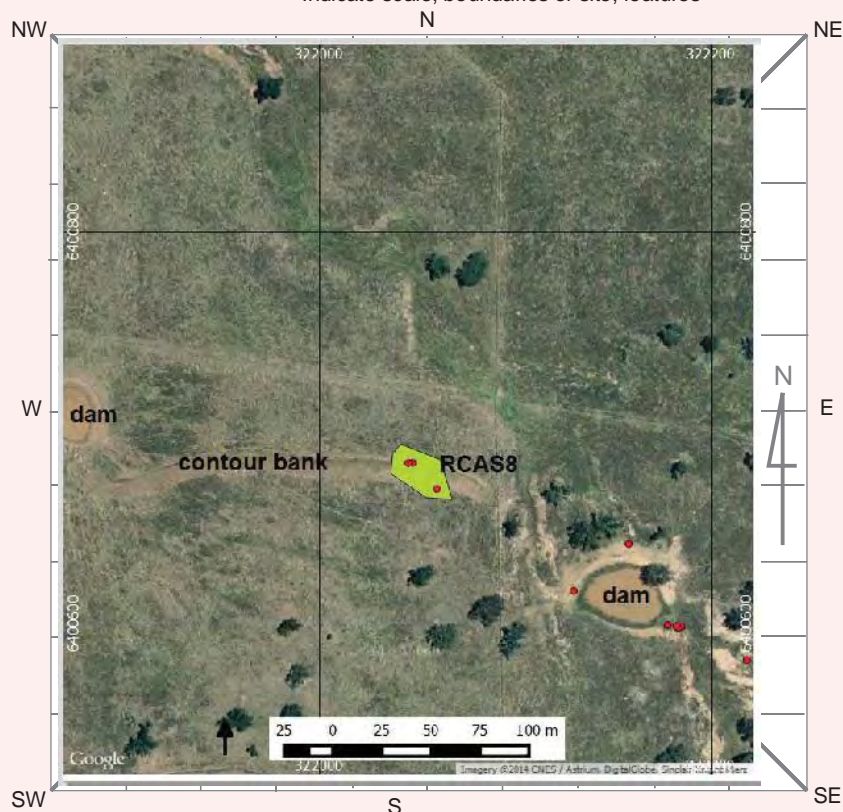
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 800 sq m Estimated area of visible site
 40 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of three artefacts, being silcrete flake shatter, a silcrete core and an silicified tuff flake. The centroid coordinates for this site were GDA94 Zone 56 322053mE 6400676mN. The artefacts were located on a contour bank in a paddock that had been subject to vegetation clearance and stock trampling. Visibility in the area was poor (15%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 8"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="3"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

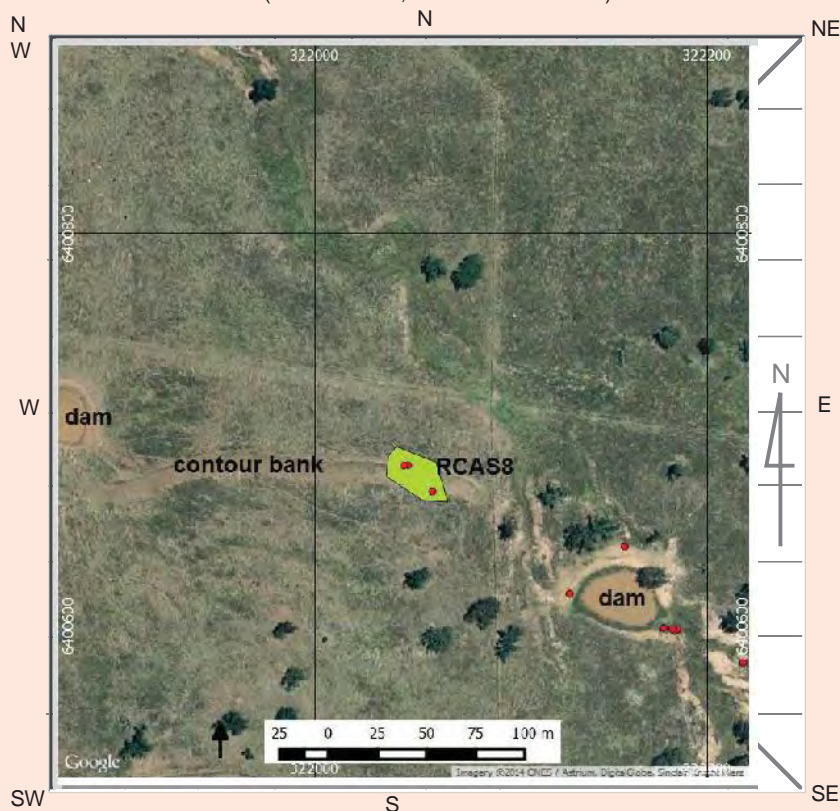
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☒ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS8

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322047.64296346716582775 6400681.49369066301733255)	Silcrete	Flake Shatter	NA	0	32.4	0	0	None	NA	NA	0
POINT(322045.45478765334701166 6400681.37642789259552956)	Silcrete	Core	Multidirectional	0	38.9	22.8	8.4	None	NA	2	22.9
POINT(322060.07515873643569648 6400668.04420908074826002)	IM/Tuff	Flake	Complete	NA	18.9	20.9	5.4	None	Multiple	NA	0



Plate 1 View north-west across Rixs Creek AS8



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site**

Site Context

Landform

- ☐ Mountainous
☐ Plain
☒ Rolling hills
☐ Steep hills
☐ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☒ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

1 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 665 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

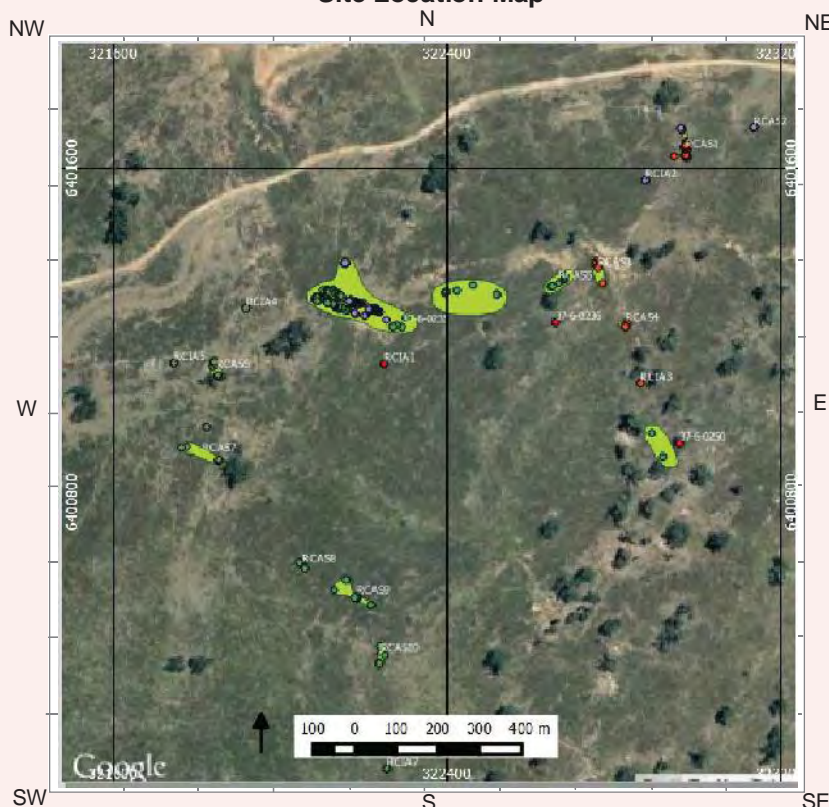
- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map



General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

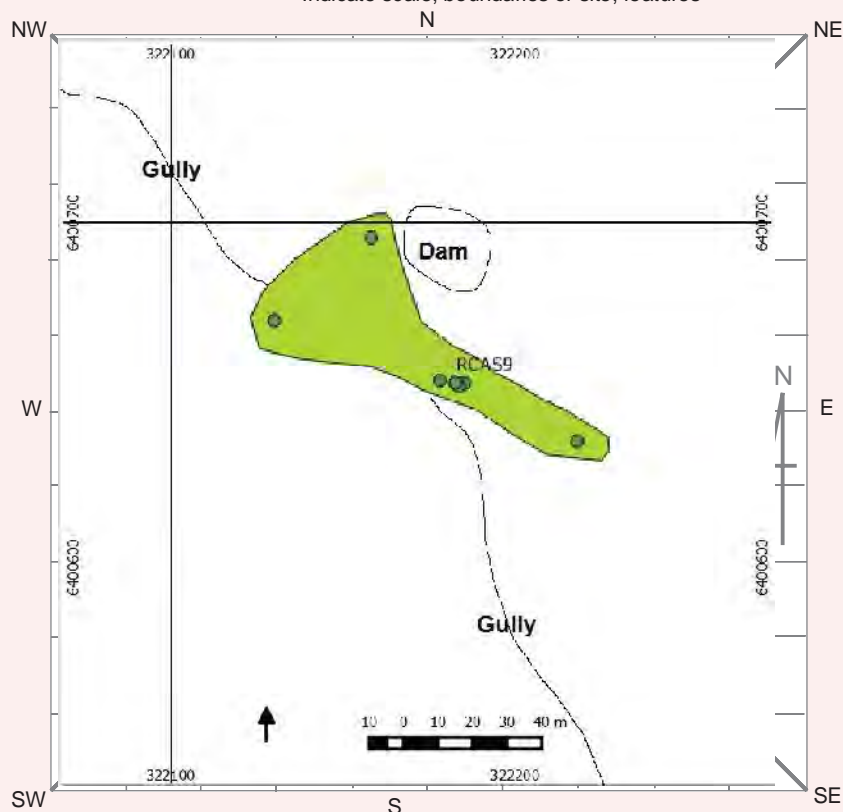
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 100 Total length of visible site
 40 Average width of visible site
 4000 sqm Estimated area of visible site
 100 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of seven flakes and cores of silcrete and silicified tuff raw materials. The centroid coordinates for this site were GDA94 Zone 56 322183mE 6400600mN. The artefacts were located around the edges of a dam and alongside an unnamed drainage line. The area had been highly modified by the dam construction and drainage line modification. Stock trampling and erosion had also impacted upon the area. Ground surface visibility in this area was good (50%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 9"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="7"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition
 Scatter No. Easting Northing

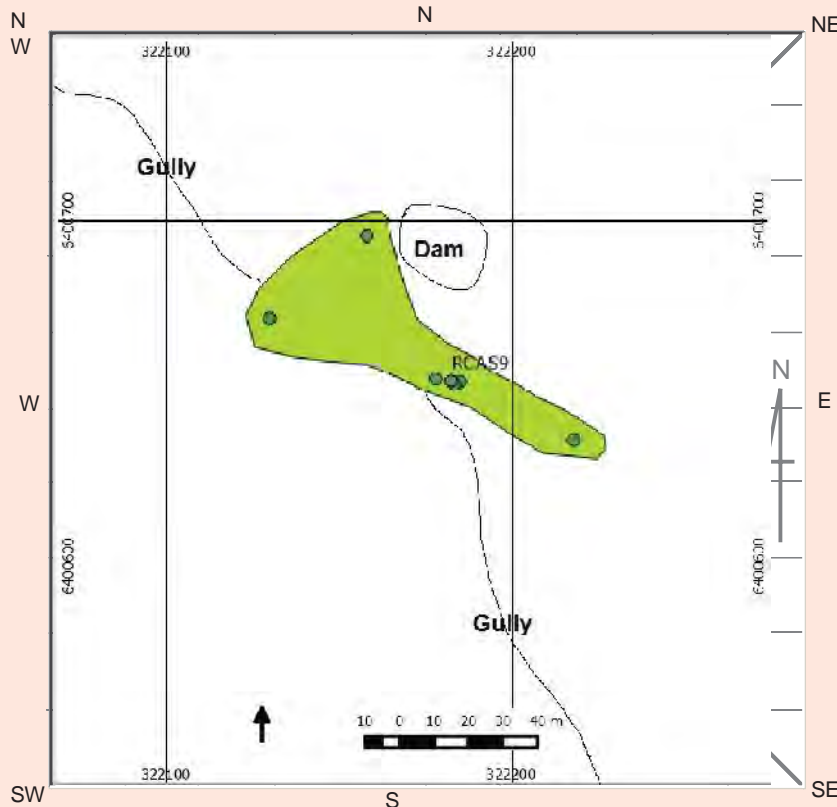
Density	Dimensions	Yes	No
(Artefact count per square metre)			
<input type="text" value="1"/>	<input type="text" value="100"/> Length (m) <input type="text" value="40"/> Width (m) <input type="text"/> Depth (m) <input type="text"/>	In situ	<input type="text" value="No"/>
		Stratified	<input type="text" value="No"/>

Feature Condition General Condition

- | | |
|--|--|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input type="checkbox"/> Erosion |
| | <input checked="" type="checkbox"/> Stock damage |
| | <input type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)**Feature Environment**

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Rolling hills"/>	Land form
<input type="text" value="Lower slope"/>	Land form unit
<input type="text" value="1"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Pastoral/grazing"/>	Land use

Water

Distance to permanent water source	<input type="text" value="665"/>	metres
Distance to temporary water source	<input type="text" value="0"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepassé
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

See attached for artefact details.

Rixs Creek AS9

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322218.07512871373910457 6400580.7327435091137886)	IM/Tuff	Flake	Split Flake (Siret)	0	39.6	0	0	Yes	NA	NA	0
POINT(322185.1986227587913163 6400597.6920693963766098)	Silcrete	Flake	Complete	0	58.6	43.2	17.1	None	Single	NA	0
POINT(322183.55256078450474888 6400596.93855719082057476)	Silcrete	Flake	Broken Flake (Proximal)	0	35.1	0	0	None	Single	NA	0
POINT(322182.59847808838821948 6400597.84473615325987339)	Silcrete	Flake	Complete	0	62.6	40	11.5	None	Multiple	NA	0
POINT(322178.08336658193729818 6400598.45456661842763424)	IM/Tuff	Flake	Complete	0	19.1	29.1	6.5	None	Cortical	NA	0
POINT(322130.02897353807929903 6400615.88415641523897648)	IM/Tuff	Core	Multidirectional	NA	59.9	52.1	42.5	None	Multiple	4	42.5
POINT(322158.17131269240053371 6400639.95277491025626659)	IM/Tuff	Flake	Complete	0	55.1	36.9	12.1	51-99%	Single	NA	0



Plate 1 View north across Rixs Creek AS9



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site**

Site Context

Landform

- ☐ Mountainous
☐ Plain
☒ Rolling hills
☐ Steep hills
☐ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

4 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 795 metres

Distance to temporary water source 20 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water unnamed gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

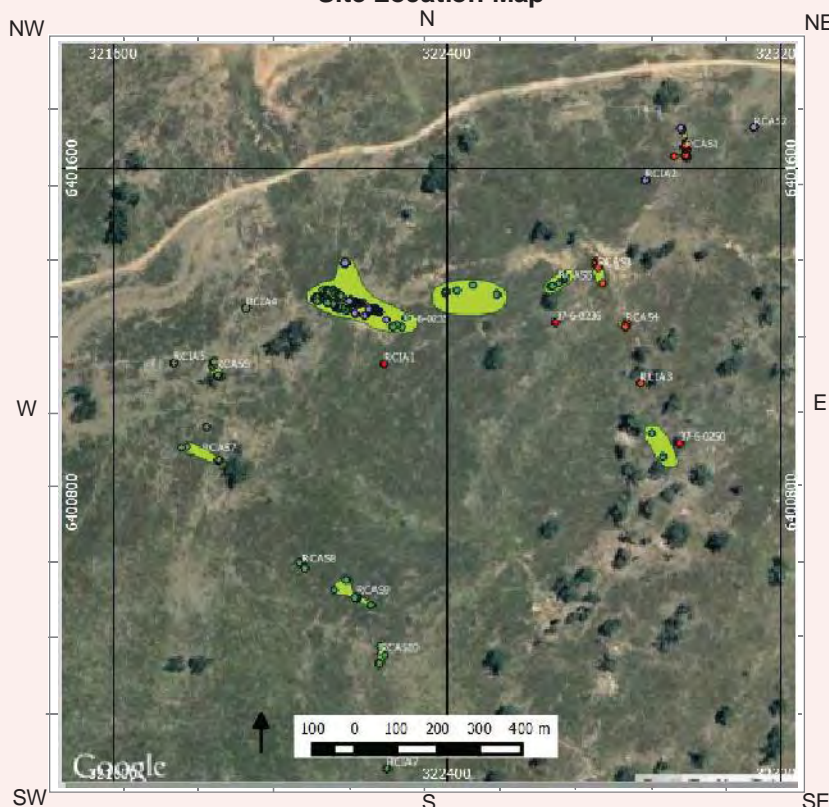
- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map



General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

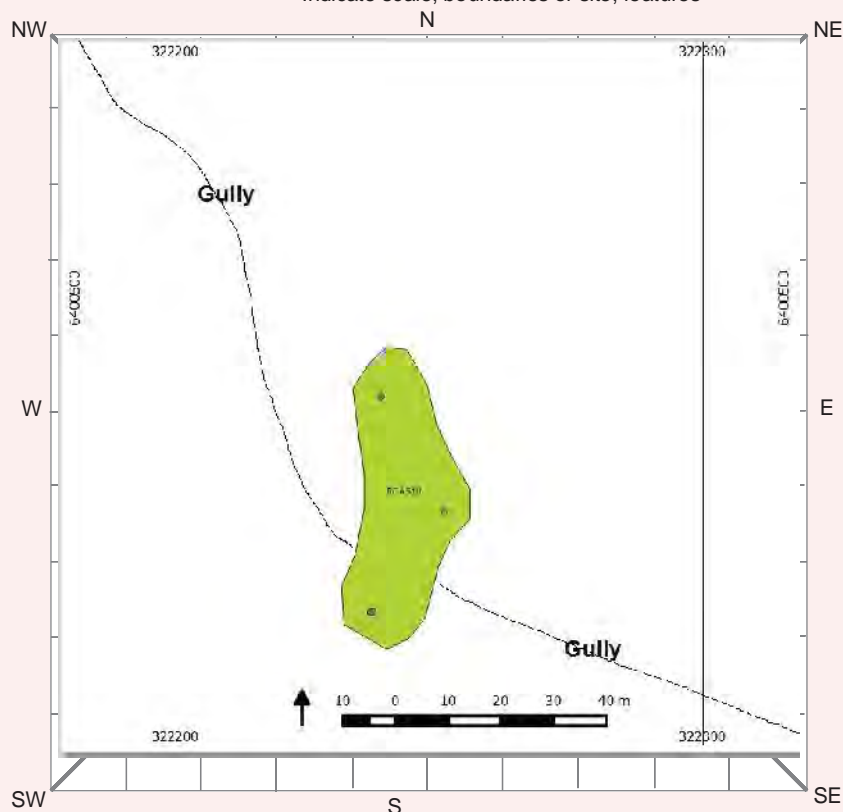
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 50 Total length of visible site
 20 Average width of visible site
 1000sqm Estimated area of visible site
 50 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of four flakes of silcrete, silicified tuff and quartz raw materials. The centroid coordinates for this site were GDA94 Zone 56 322240mE 6400462mN. The artefacts were located in areas of exposure on a hillslope. Ground surface visibility in this area was fair (35%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 10"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="4"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & ConditionScatter No. Easting Northing **Density****Dimensions**

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

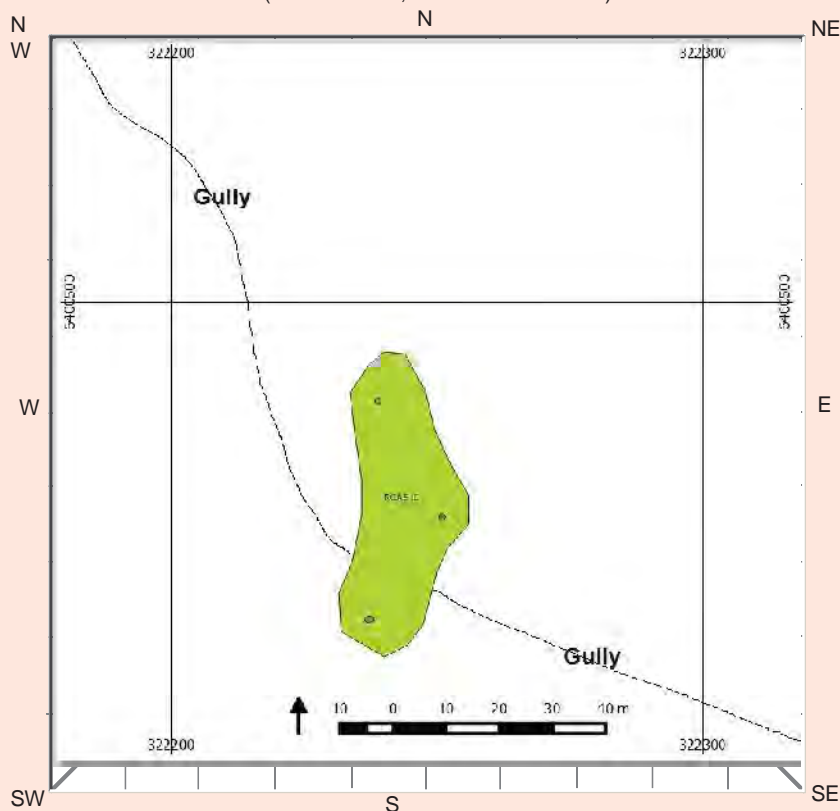
Stratified

Feature Condition**General Condition****Recommended Action**

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)**Feature Environment**

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

WaterDistance to permanent water source metresDistance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS10

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322236.9618890214478597 6400440.15081784501671791)	IM/Tuff	Flake	Complete	0	36.8	36.6	13.3	1-50%	Cortical	NA	0
POINT(322237.344483339227736 6400440.18746937625110149)	IM/Tuff	Flake	Complete	0	22.5	24.8	8.1	1-50%	Cortical	NA	0
POINT(322250.89668004185659811 6400459.33761183265596628)	Silcrete	Flake	Broken Flake (Proximal)	0	2.6	0	0	None	Cortical	NA	0
POINT(322238.87374771520262584 6400481.14695050753653049)	Quartz	Flake	Complete	0	18.6	11.7	6.3	None	Crushed	NA	0



Plate 1 View south-east across Rixs Creek AS10



Plate 2 Rixs Creek AS10 sample artefact



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/5/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☒ Rolling hills
☐ Steep hills
☐ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

3 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 1,300 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water unnamed gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

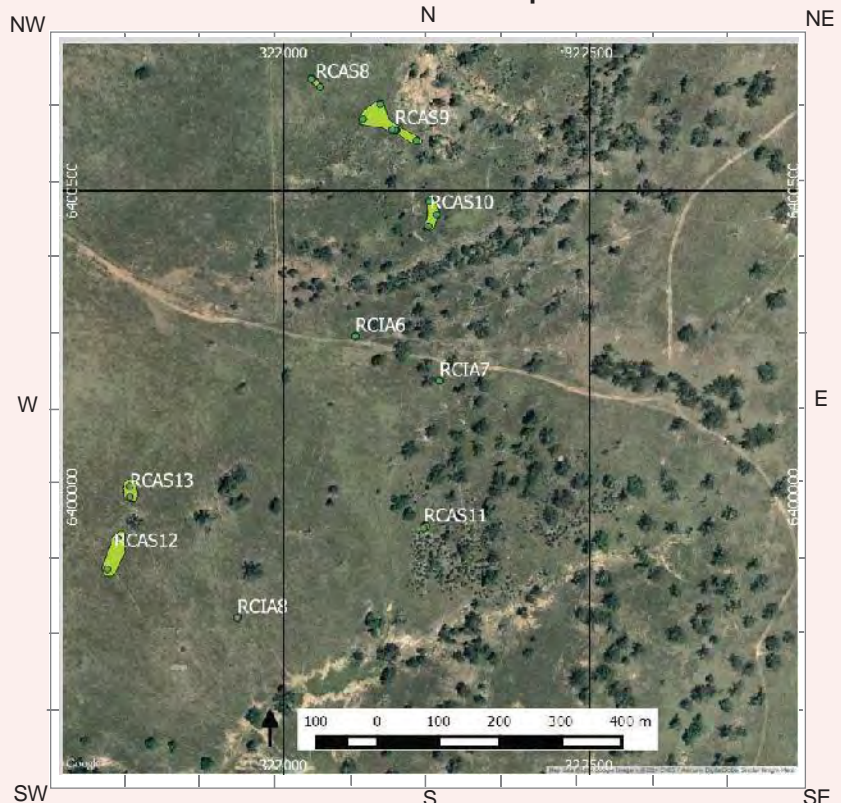
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

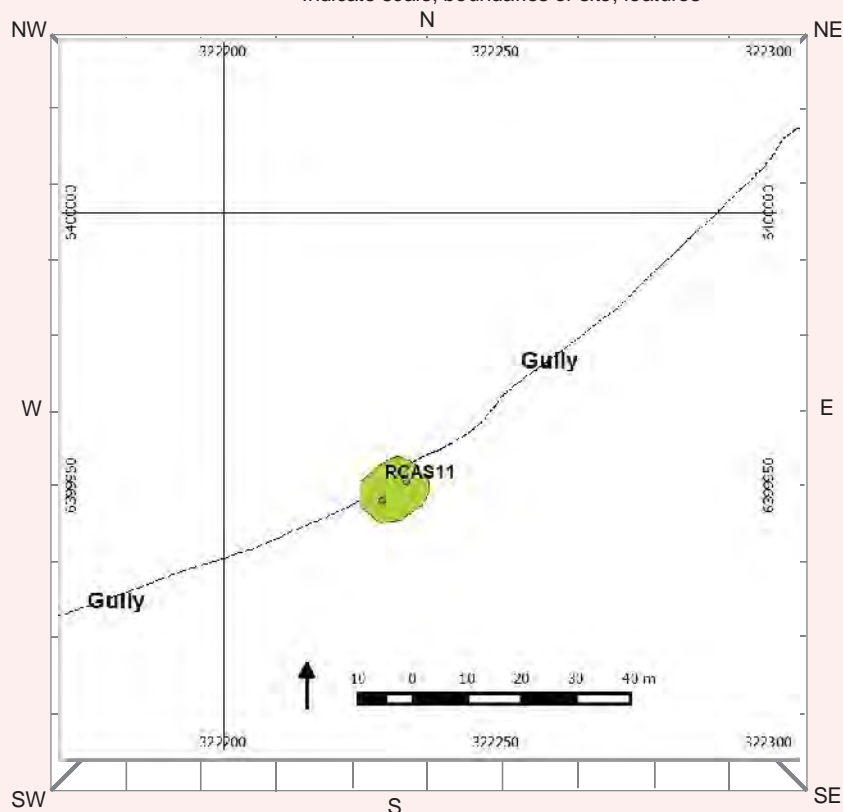
Site Orientation

- ☐ N-S
☐ NE-SW
☒ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of two artefacts, being two silcrete flakes. The centroid for this site was GDA94 Zone 56 322230mE 6399950mN. The artefacts were located in a highly eroded gully on a midslope. Ground surface visibility in this area was very good (80%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 11"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="2"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

 Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="10"/>	Length (m)	<input type="text" value="10"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
(Artefact count per square metre)										Stratified	Yes <input type="text"/> No <input type="text"/>

Feature Condition

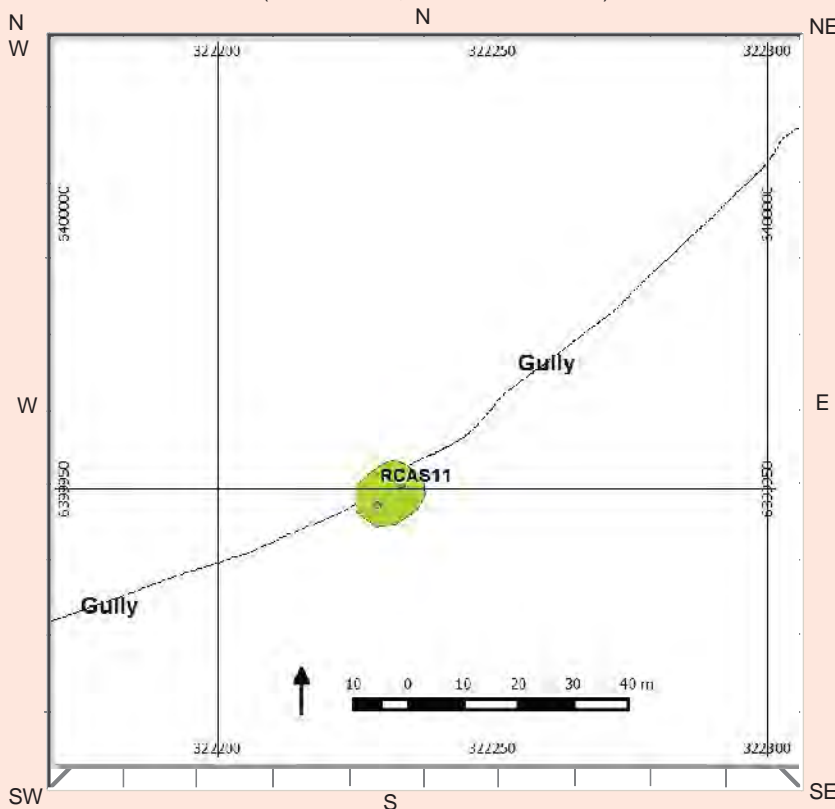
General Condition

- | | |
|--|---|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input checked="" type="checkbox"/> Erosion |
| | <input type="checkbox"/> Stock damage |
| | <input checked="" type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Rolling hills"/>	Land form
<input type="text" value="Midslope"/>	Land form unit
<input type="text" value="3"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Pastoral/grazing"/>	Land use

Water

Distance to permanent water source	<input type="text" value="1,300"/>	metres
Distance to temporary water source	<input type="text" value="0"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

High/strong
High/weak
Low/weak
Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS11

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(322233.62646056385710835 6399950.48931863903999329)	Silcrete	Flake	Complete	0	42.6	39.3	12.3	None	Single	NA	0
POINT(322229.13134772353805602 6399946.91117163840681314)	Silcrete	Flake	Complete	0	35.8	35.2	11.8	51-99%	Multiple	NA	0



Plate 1 View west across Rixs Creek AS11



Plate 2 Rixs Creek AS11 artefacts



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/5/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site**

Site Context

Landform

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☒ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

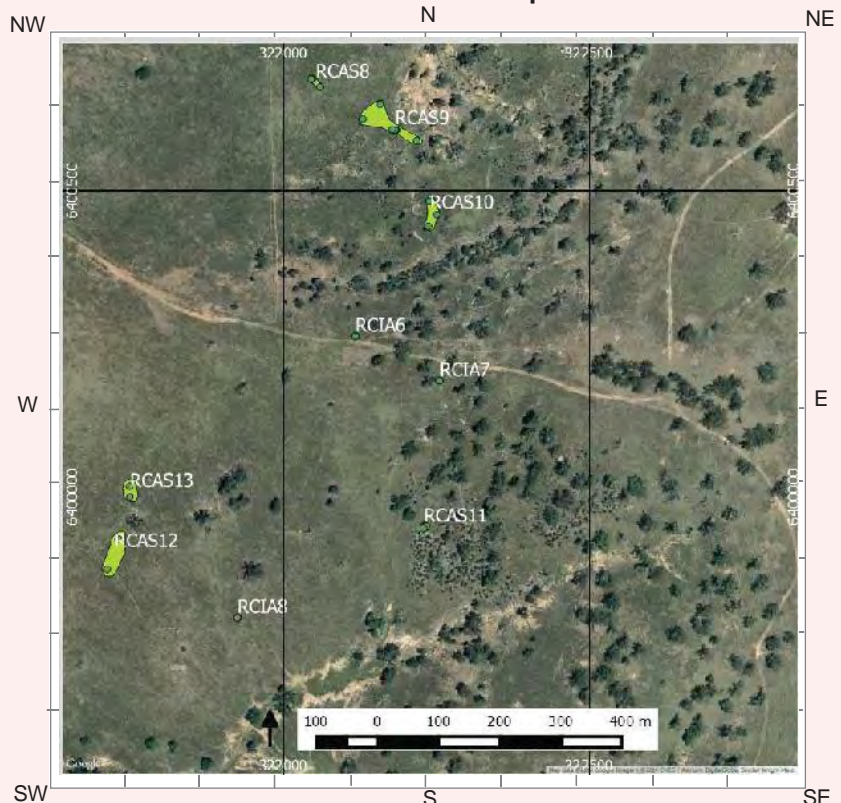
- ☐ Public National Park / other Government Dept.
☒ Private

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
Continuation of Mining Project. Aboriginal
Archaeological & Cultural Heritage Impact Assessment.
Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map



General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

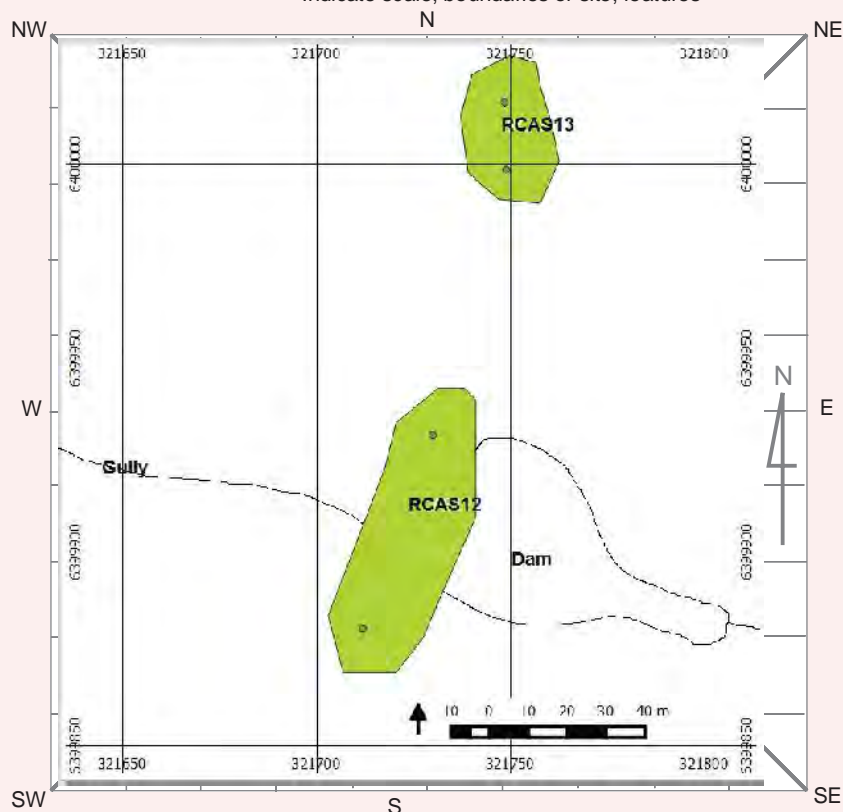
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 70 Total length of visible site
 25 Average width of visible site
 1750 Estimated area of visible site
 70 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of two artefacts located around the edges of the dam. The centroid coordinate for the site was GDA94 Zone 56 321724mE 6399909mN. The area was highly modified by ground disturbing works associated with the dam. The ground surface visibility in this area was poor (15%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 12"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="2"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

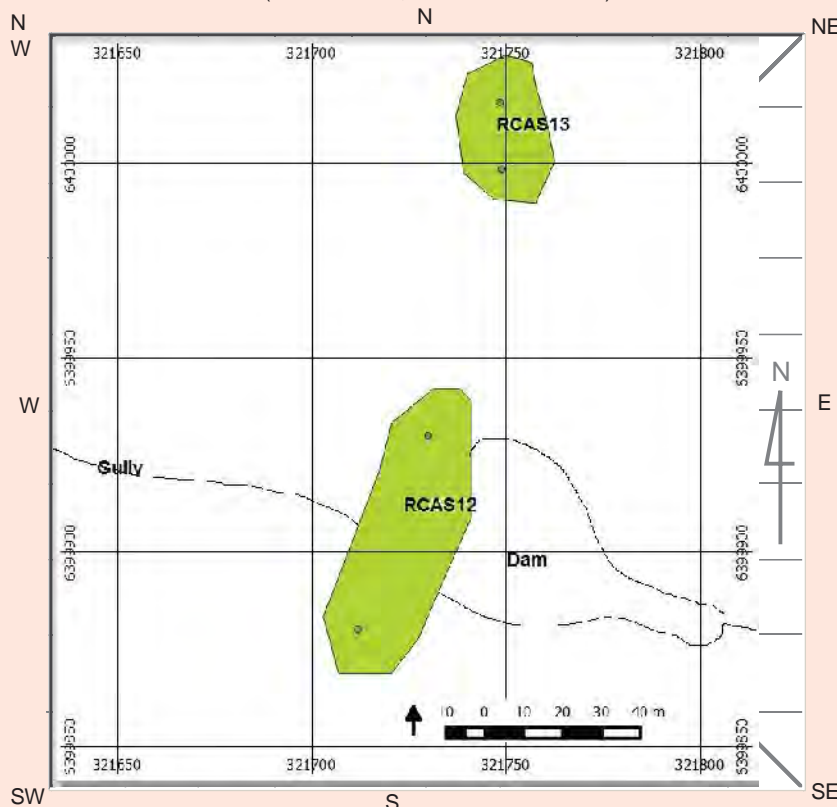
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☒ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

High/strong
High/weak
Low/weak
Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS12

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(321730.00782914110459387 6399929.80522168893367052)	IM/Tuff	Flake	Complete	0	36.3	39.8	14.1	1-50%	Multiple	NA	0
POINT(321711.91098115337081254 6399879.8844639640301466)	Silcrete	Flake	Broken Flake (Proximal)	0	28	0	0	None	Single	NA	0



Plate 1 View east across Rixs Creek AS12



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☒ Rolling hills
☐ Steep hills
☐ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☒ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

1 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 1,110 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water unnamed gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

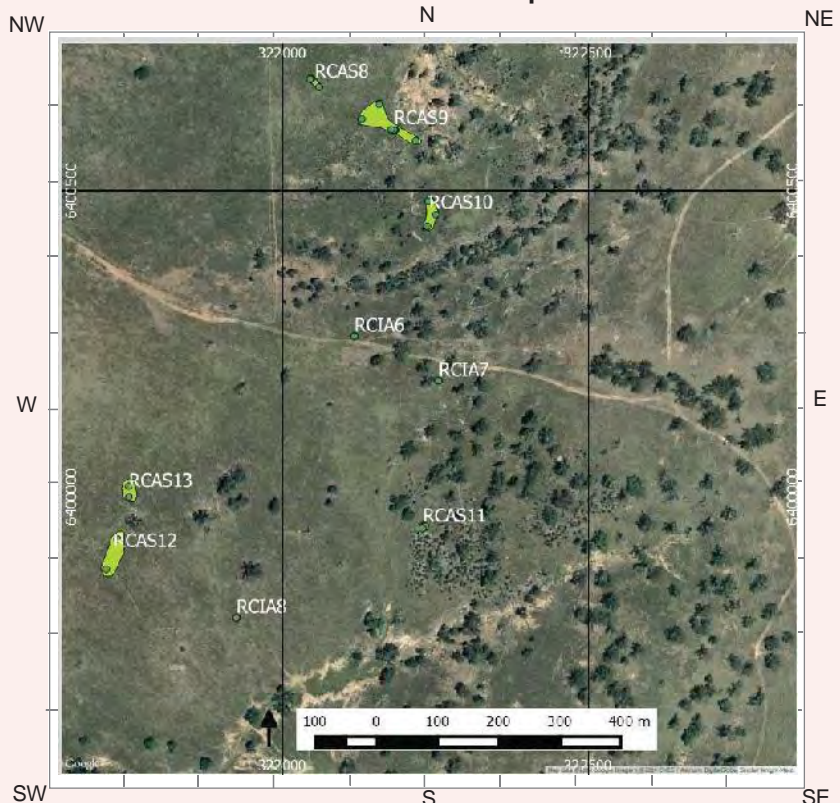
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

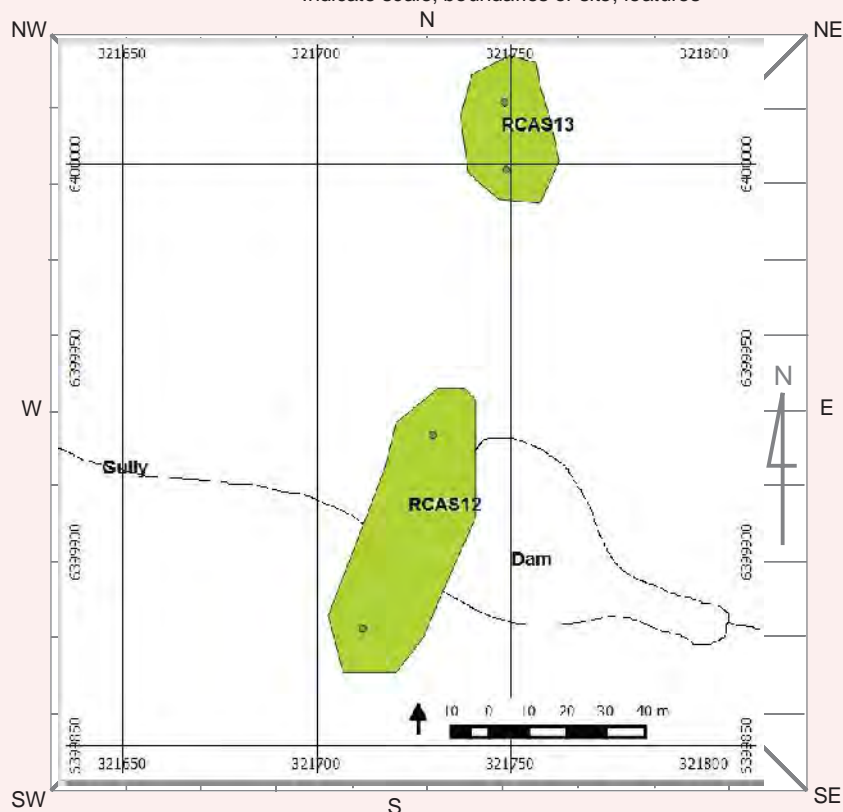
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of two artefacts located in an area of exposure near and ant nest. Both artefacts were flakes, one silicified tuff, the other an unidentified material. The centroid coordinate for this site was GDA94 Zone 56 321749mE 6400007mN. Ground surface visibility was excellent in this area (95%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 13"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="2"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

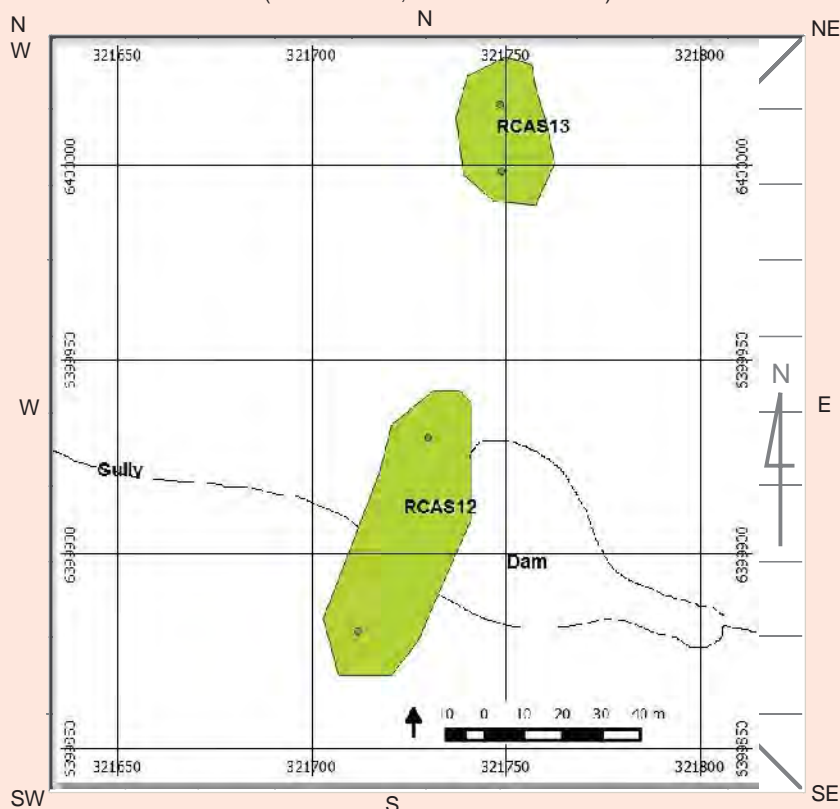
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS13

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(321748.52971382159739733 6400015.73368334118276834)	IM/Tuff	Flake	Complete	0	42.4	46.6	13.1	None	Single	NA	0
POINT(321748.94716967537533492 6399998.40726088918745518)	Other	Flake	Complete	0	36.1	34.1	7.9	Yes	Single	NA	0



Plate 1 View south-east across Rixs Creek AS13



Plate 2 Rixs Creek AS13 artefacts



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

1 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☒ Flat☐ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☒ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 50 metres

Distance to temporary water source metres

Name of nearest permanent water source Rixs Creek

Name of nearest temporary water

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

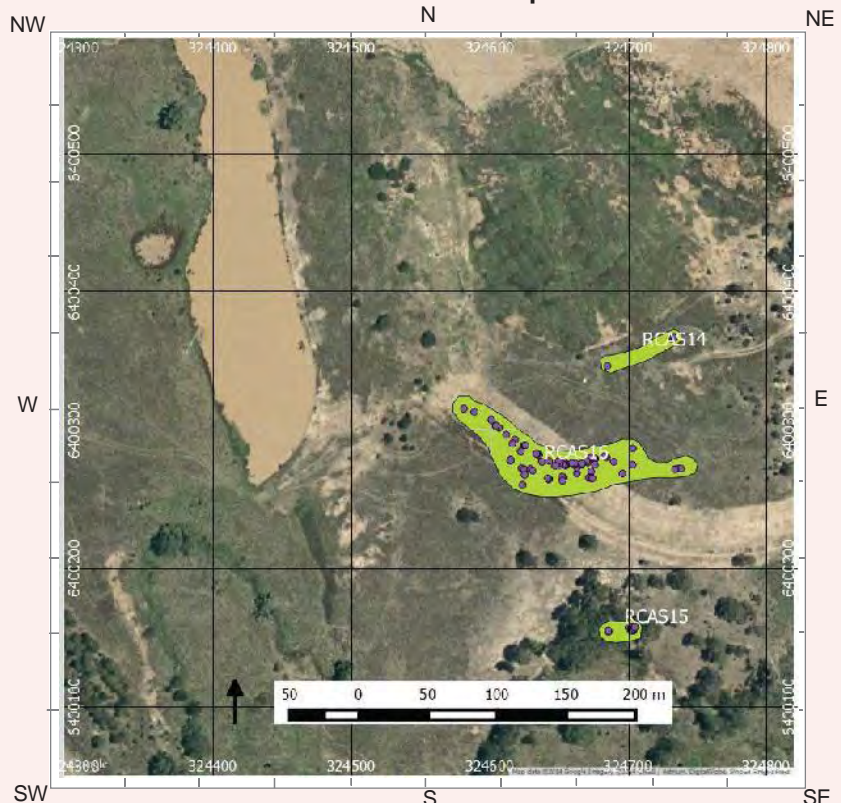
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Open Site

Site Orientation

- ☐ N-S
☒ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

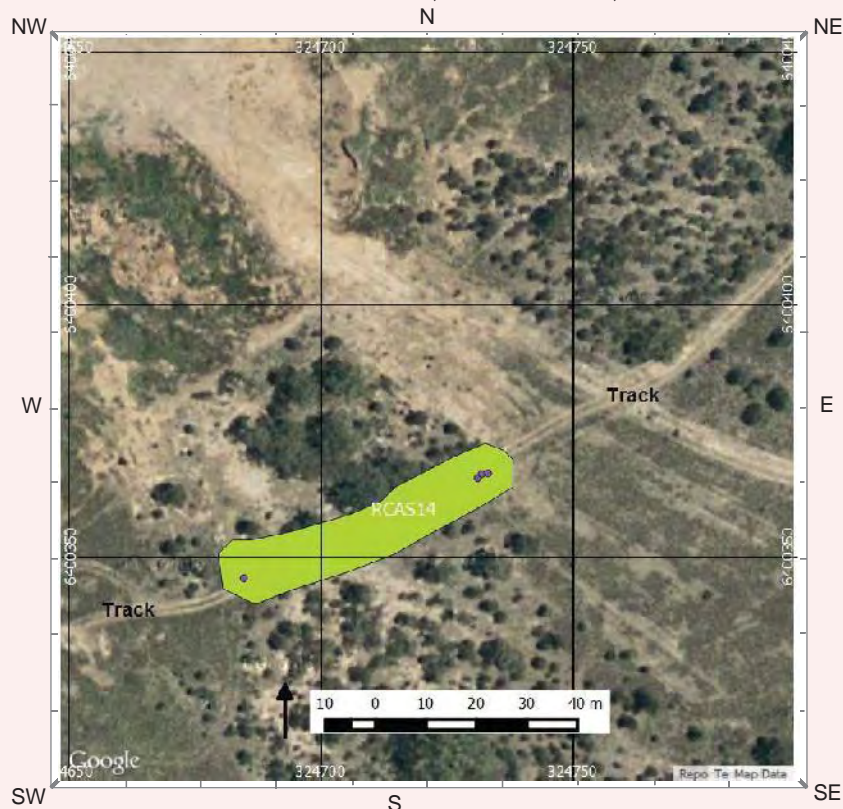
Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 60 Total length of visible site
 10 Average width of visible site
 600 sqm Estimated area of visible site
 60 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of four artefacts, consisting of cores and flakes of silcrete and silicified tuff. The artefacts were located on a vehicle track within an area that had been subject to vegetation clearance and earthworks. The centroid coordinates for this site were GDA94 Zone 56 324710mE 6400357mN. Ground surface visibility was very good in this area (75%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 14"/>
First recorded date	<input type="text" value="29/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="4"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☒ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☐ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS14

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324684.77374490845249966 6400345.61563771590590477)	IM/Tuff	Flake	Complete	0	29.8	21.2	8.9	51-99%	Multiple	NA	0
POINT(324731.1816841559484601 6400365.47143743932247162)	Silcrete	Core	Multidirectional	3	53.4	44.5	38.8	Yes	Multiple	8	42.2
POINT(324731.97965444333385676 6400366.29313046112656593)	Silcrete	Core	Bifacial	0	45	27	19	None	NA	4	22.6
POINT(324733.22403310111258179 6400366.41770052909851074)	Silcrete	Flake	Complete	0	21	19	4	None	Single	NA	0



Plate 1 View east across Rixs Creek AS14



Plate 2 Rixs Creek AS14 sample artefacts



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

1 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☒ Flat
☐ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☒ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 50 metres

Distance to temporary water source metres

Name of nearest permanent water source Rixs Creek

Name of nearest temporary water

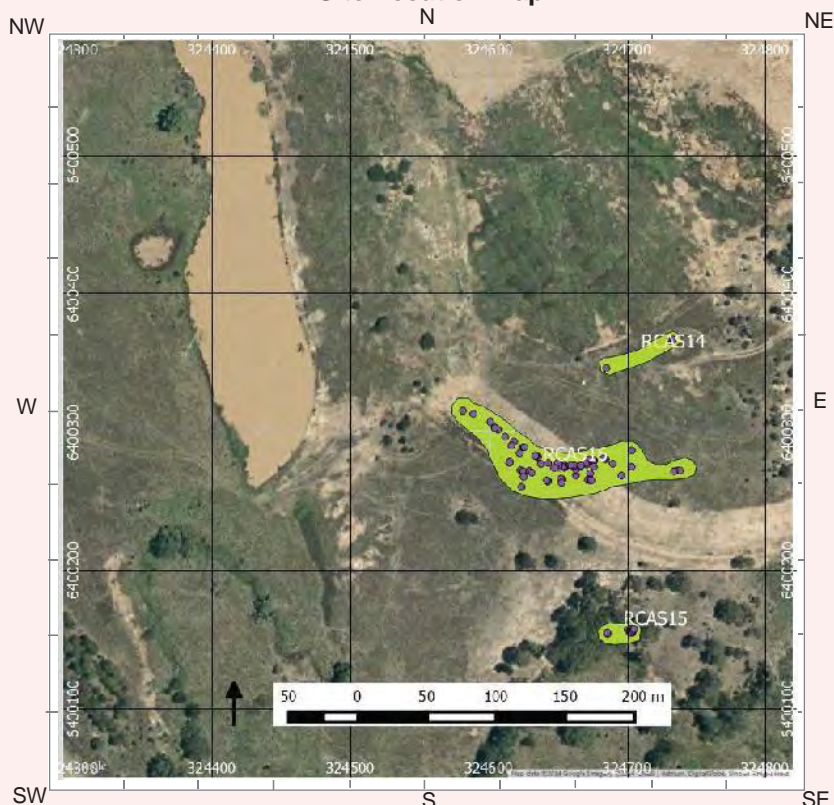
Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure☐ Public National Park / other Government Dept.☒ Private Rixs Creek Colliery**Primary report**

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☒ E-W
☐ SE-NW
☐ N/A

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

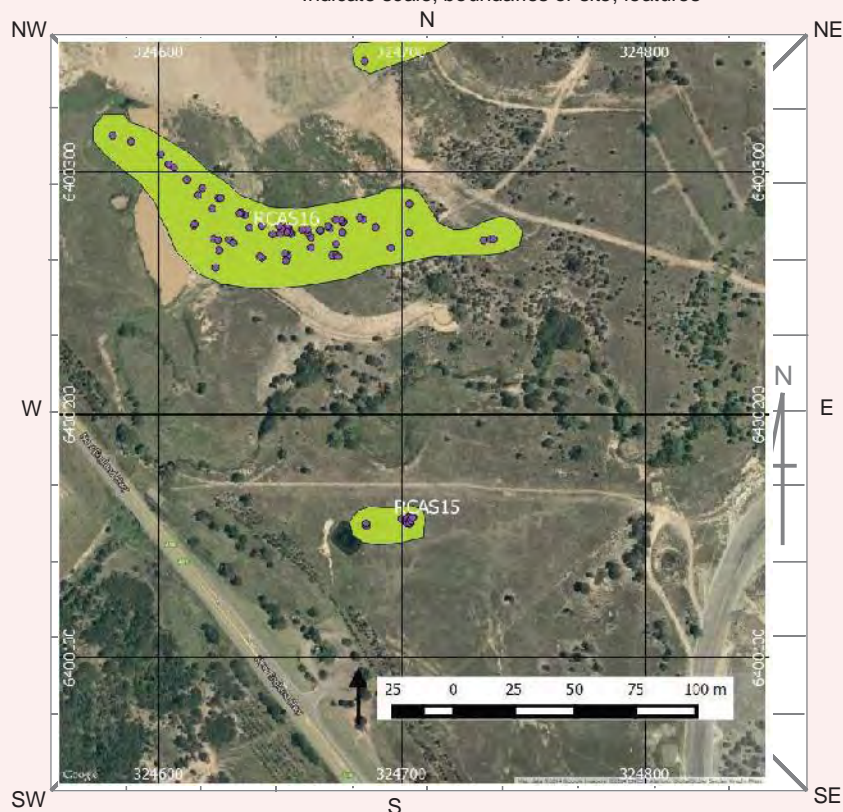
Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 30 Total length of visible site
 10 Average width of visible site
 300 sqm Estimated area of visible site
 30 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of 14 artefacts. The artefact types included flakes, flake shatter and cores of silcrete, quartz and silicified tuff raw materials. The site was located on the southern side of Rixs Creek in eroded areas within a paddock disturbed by past vegetation clearance, earthworks and erosion. The centroid coordinates for the site were GDA94 Zone 56 324697mE 6400157mN. Ground surface visibility in this area was poor (20%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 15"/>
First recorded date	<input type="text" value="29/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="14"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	<input type="text" value="2"/>	Dimensions	<input type="text" value="30"/>	Length (m)	<input type="text" value="10"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
										Stratified	Yes <input type="text"/> No <input type="text"/>

(Artefact count per square metre)

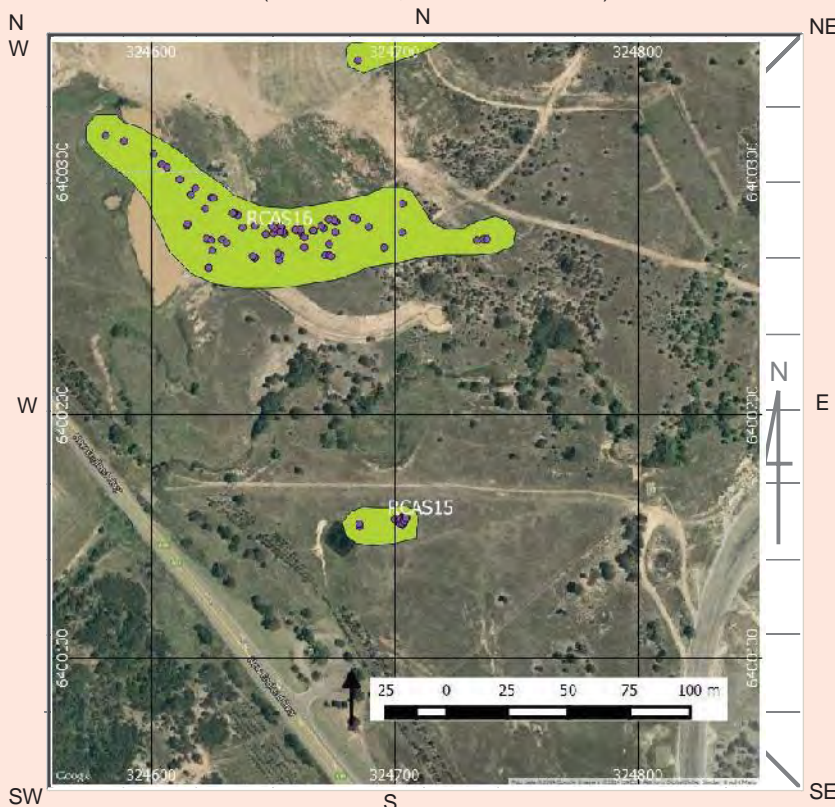
Feature Condition General Condition

- | | |
|--|---|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input checked="" type="checkbox"/> Erosion |
| | <input type="checkbox"/> Stock damage |
| | <input checked="" type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Flat"/>	Land form unit
<input type="text" value="1"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Pastoral/grazing/mining"/>	Land use

Water

Distance to permanent water source	<input type="text" value="50"/>	metres
Distance to temporary water source	<input type="text"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

High/strong
High/weak
Low/weak
Irregular

Comments:

See attached sheet for artefact details.

[illegible]

Rixs Creek AS15

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324685.52872744464548305 6400153.9678461579605937)	Silcrete	Flake	Broken Flake (Proximal)	0	17.3	0	0	None	Single	NA	0
POINT(324685.43337295751553029 6400154.97702677268534899)	Silcrete	Flake Shatter	NA	0	21.5	0	0	None	NA	NA	0
POINT(324700.00126766011817381 6400156.85938949696719646)	IM/Tuff	Core	Multidirectional	3	70.3	63	38	Yes	NA	6	48
POINT(324702.02655191853409633 6400156.22885482478886843)	IM/Tuff	Flake	Complete	0	17.3	31.2	6.5	None	Single	NA	0
POINT(324701.90425815241178498 6400156.06833107396960258)	IM/Tuff	Flake	Complete	0	34.2	35	13.3	None	Single	NA	0
POINT(324703.18943192646838725 6400157.61171229742467403)	IM/Tuff	Core	Multidirectional	2	48.3	23.1	11.7	Yes	NA	3	35.2
POINT(324703.3402158014359884 6400154.78357454016804695)	IM/Tuff	Flake	Broken Flake (Proximal)	0	23.4	0	0	Yes	NA	NA	0
POINT(324702.13403854076750576 6400155.00644676201045513)	IM/Tuff	Flake	Complete	0	14.7	16.9	4.8	None	Single	NA	0
POINT(324702.15111536247422919 6400156.8640505988150835)	IM/Tuff	Core	Unidirectional	1	31.7	18.4	16.1	None	NA	2	17.3
POINT(324703.55770014721201733 6400156.39154488034546375)	IM/Tuff	Flake Shatter	NA	0	21.9	0	0	None	NA	NA	0
POINT(324703.14928833034355193 6400155.01411496289074421)	Quartz	Flake	Broken Flake (Proximal)	0	12.8	0	0	None	Single	NA	0
POINT(324703.88541443168651313 6400156.2268371544778347)	IM/Tuff	Core	Unidirectional	0	34.9	16.8	20.4	Yes	Single	2	32.8
POINT(324704.84063535404857248 6400157.55846027843654156)	IM/Tuff	Flake	Complete	0	10.5	13.1	1.4	None	Single	NA	0
POINT(324704.63719895854592323 6400157.29340806417167187)	IM/Tuff	Flake	Broken Flake (Proximal)	0	52	0	0	None	Single	NA	0



Plate 1 View west across Rixs Creek AS15



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

2 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☒ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☒ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 20 metres

Distance to temporary water source metres

Name of nearest permanent water source Rixs Creek

Name of nearest temporary water

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

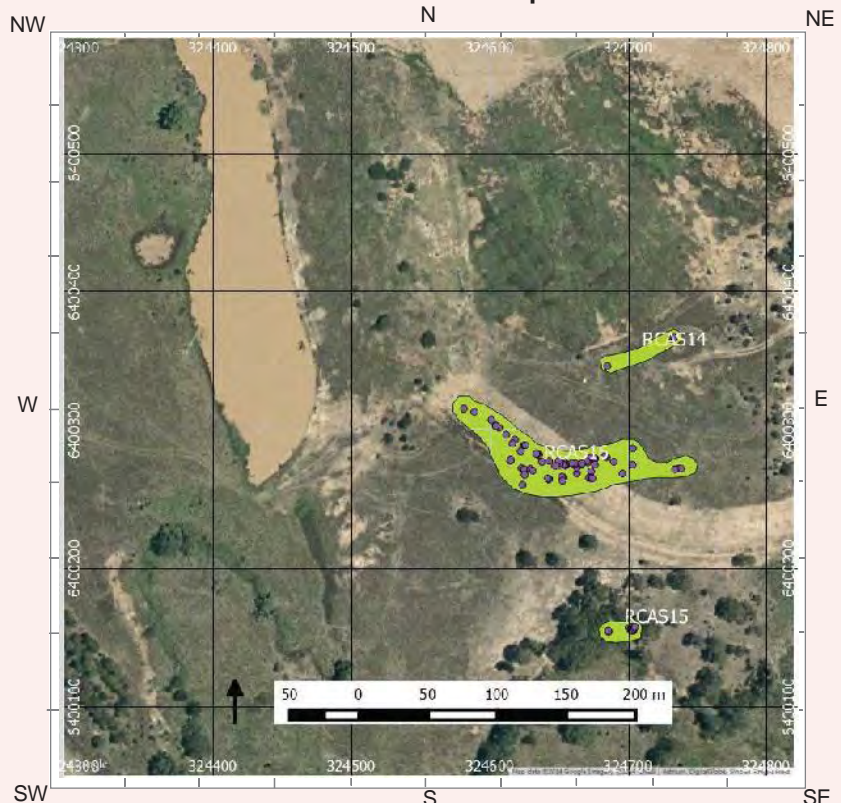
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

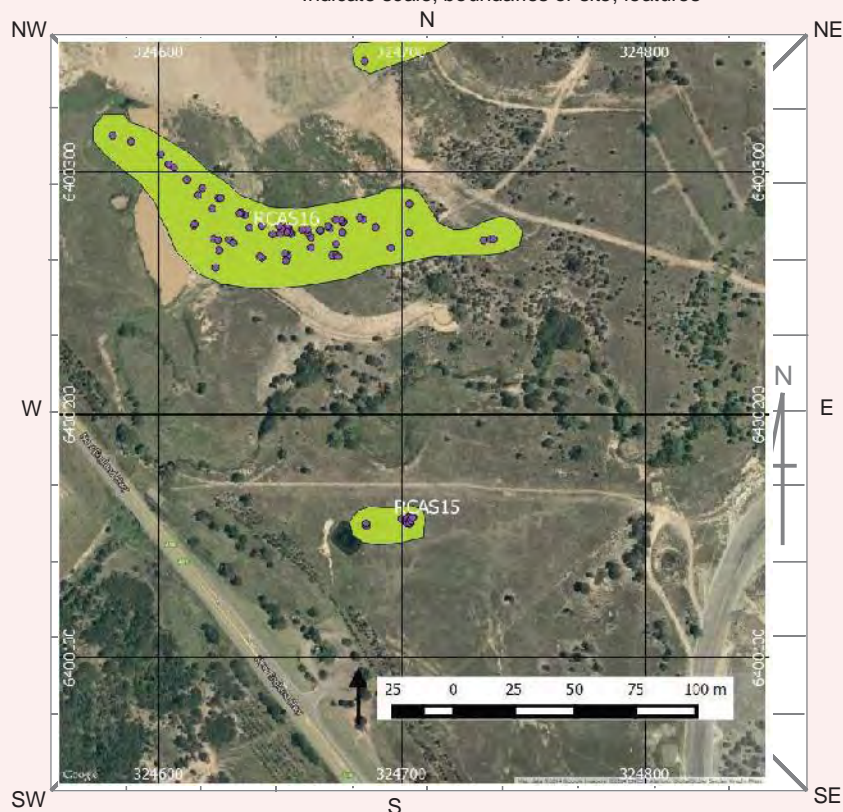
Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☒ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- 180 Total length of visible site
 30 Average width of visible site
 5400 sqm Estimated area of visible site
 180 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new site was identified consisting of 66 artefacts. Artefact types included flake shatter, flakes, cores and angular shatter of silcrete, quartz and silicified tuff raw materials. The centroid coordinates for this site were GDA94 Zone 56 324639mE 6400276mN. The area had been subject to high levels of disturbance, including earthworks for the formation of contour banks and a dam. High levels of erosion were also noted in the area. Ground surface visibility in the area was very good (90%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Artefact Scatter 16"/>
First recorded date	<input type="text" value="29/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="66"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

Feature Condition

General Condition

Recommended Action

☐

Very good

☒

Weathered

☐

Boardwalk

☐

Revegetation

☐

Good

☐

Vehicle damage

☐

Fencing

☐

Signage

☒

Poor

☐

Surface water wash

☐

Closure to public

☐

Soil erosion control

☐

Fire damage

☐

Continued inspection

☐

Track closure/re-routing

☒

Erosion

☐

Fire hazard reduction

☐

Additional recording

☐

Stock damage

☐

Expert assessment

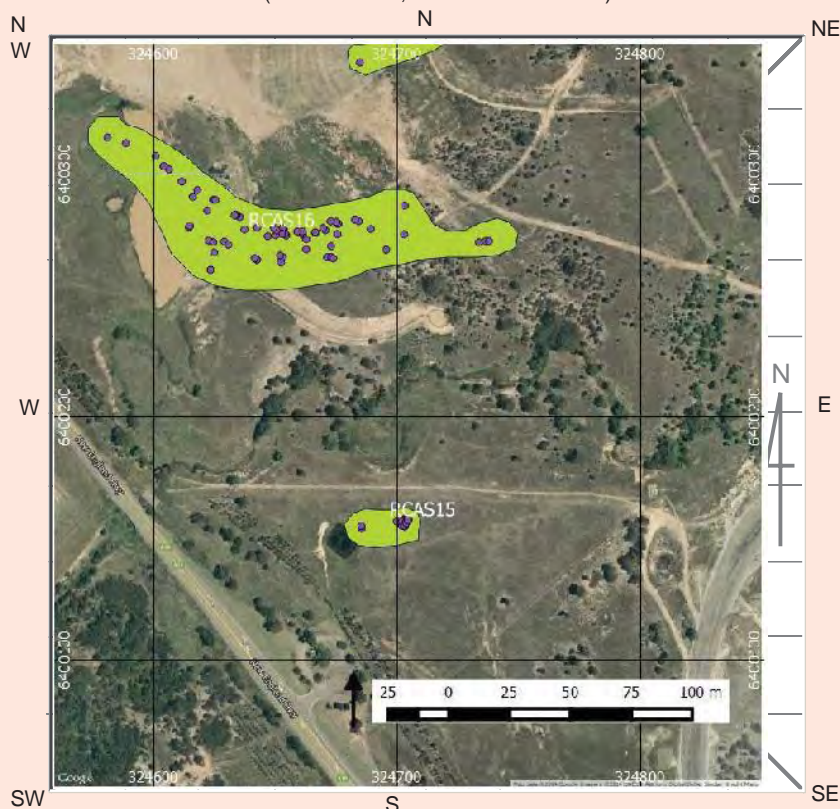
☒

Exposed archaeological material

☐

Meeting with land manager

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source metresDistance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

See attached sheets for artefact details.

Rixs Creek AS16

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324695.615883833379484716400268.6231326824054122)	Silcrete	Angular Shatter	NA	0	27.5	0	0	None	NA	NA	0
POINT(324684.267083007667679346400280.32881923764944077)	IM/Tuff	Angular Shatter	NA	0	33.6	0	0	None	NA	NA	0
POINT(324675.201799082336947326400280.02127473428845406)	IM/Tuff	Angular Shatter	NA	0	49.2	0	0	None	NA	NA	0
POINT(324658.99374532746151096400276.08471266366541386)	IM/Tuff	Angular Shatter	NA	0	46.9	0	0	None	NA	NA	0
POINT(324614.766172895499039446400278.44044940080493689)	IM/Tuff	Angular Shatter	NA	0	26	0	0	None	NA	NA	0
POINT(324703.254093801369890576400286.81591256055980921)	IM/Tuff	Core	NA	1	30.2	30.3	15.6	Yes	NA	3	21
POINT(324662.672939341980963956400268.76054768729954958)	Silcrete	Core	Bifacial	1	61	59.7	22.5	Yes	NA	4	22
POINT(324736.559259196044877176400272.15843930467963219)	IM/Tuff	Flake	Complete	0	16.8	11.2	2.2	None	Single	NA	0
POINT(324737.992161240254063166400272.16405151039361954)	IM/Tuff	Flake	Broken Flake (Proximal)	0	32.5	0	0	None	Single	NA	0
POINT(324733.764952136203646666400271.68643659166991711)	IM/Tuff	Flake	Complete	0	37.2	22.1	11.5	1-50%	NA	NA	0
POINT(324703.072458228853065526400274.96287642046809196)	IM/Tuff	Flake	Broken Flake (Proximal)	0	21.3	0	0	None	Faceted	NA	0
POINT(324682.760136113502085216400281.01715621910989285)	IM/Tuff	Flake	Broken Flake (Proximal)	0	27.1	0	0	None	Cortical	NA	0
POINT(324675.76225203770445666400279.19101293105632067)	IM/Tuff	Flake	Complete	0	30.3	32.8	6.9	None	Single	NA	0
POINT(324675.855138915940187876400279.4194760991752148)	Silcrete	Flake	Broken Flake (Proximal)	0	33.4	0	0	None	NA	NA	0
POINT(324672.730771259171888236400280.28558623045682907)	IM/Tuff	Flake	Complete	0	41.8	28.3	8.5	1-50%	Single	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324675.63666474010096863 6400275.04521653614938259)	IM/Tuff	Flake	Complete	0	46.4	25.4	5.6	None	Faceted	NA	0
POINT(324672.9120060047134757 6400270.07343878224492073)	Silcrete	Flake	Complete	0	38.8	37	12.4	None	Single	NA	0
POINT(324672.32923200260847807 6400265.4800044447183609)	Silcrete	Flake	Broken Flake (Proximal)	0	26.6	0	0	None	Faceted	NA	0
POINT(324671.79743824596516788 6400265.64128462318331003)	IM/Tuff	Flake	Complete	0	20.8	21	5.2	None	Single	NA	0
POINT(324671.25818542903289199 6400265.54793314449489117)	IM/Tuff	Flake	Broken Flake (Proximal)	0	18.1	0	0	None	Crushed	NA	0
POINT(324673.1256506429053843 6400265.64034159202128649)	IM/Tuff	Flake	Complete	0	41.2	40.1	15.8	None	Single	NA	0
POINT(324669.66599871387006715 6400277.53785217460244894)	IM/Tuff	Flake	Complete	0	17.8	23.7	6.7	None	Multiple	NA	0
POINT(324666.46286744310054928 6400275.63433161564171314)	IM/Tuff	Flake	Complete	0	19	17.7	4.6	None	Single	NA	0
POINT(324666.4452350830542855 6400275.80382298026233912)	Silcrete	Flake	Complete	0	42.7	24.5	5.9	None	Single	NA	0
POINT(324661.23106435366207734 6400275.00131361745297909)	IM/Tuff	Flake	Complete	0	23	15.7	5.1	None	Cortical	NA	0
POINT(324654.50939390773419291 6400274.45980507973581553)	Silcrete	Flake	Complete	0	18.3	25	6	None	Multiple	NA	0
POINT(324654.04641286993864924 6400275.25478383153676987)	Silcrete	Flake	Broken Flake (Proximal)	0	38.3	0	0	None	Faceted	NA	0
POINT(324653.50384086917620152 6400277.29309136234223843)	Silcrete	Flake	Complete	0	40.5	29.7	10.9	1-50%	Multiple	NA	0
POINT(324652.90149735496379435 6400277.41937143541872501)	Silcrete	Flake	Complete	0	18.1	21.5	5.8	None	Single	NA	0
POINT(324652.60455100412946194 6400275.25359075143933296)	IM/Tuff	Flake	Complete	0	26.6	21	6.3	None	Single	NA	0
POINT(324650.17069870472187176 6400274.61494923382997513)	IM/Tuff	Flake	Complete	0	26	15.7	8.7	None	Cortical	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324650.49091939785284922 6400276.59149788692593575)	IM/Tuff	Flake	Complete	0	41.4	38	15.2	51-99%	Single	NA	0
POINT(324649.3869720803340897 6400277.66173417214304209)	IM/Tuff	Flake	Complete	0	37.3	29.5	12.1	None	Single	NA	0
POINT(324652.32258717366494238 6400263.34599133301526308)	IM/Tuff	Flake	Complete	0	51.5	25.1	10.5	1-50%	Cortical	NA	0
POINT(324642.39498608338180929 6400264.600857088342309)	Silcrete	Flake	Complete	0	24.6	30.2	8.5	None	Cortical	NA	0
POINT(324642.42723899782868102 6400264.53996756859123707)	IM/Tuff	Flake	Complete	0	20.2	20.5	5.1	None	Single	NA	0
POINT(324642.47056360228452832 6400277.69100062828511)	IM/Tuff	Flake	Complete	0	22.4	11.8	6	None	Single	NA	0
POINT(324635.32835460128262639 6400282.11660690419375896)	IM/Tuff	Flake	Complete	0	43.4	41.3	12.2	1-50%	Single	NA	0
POINT(324634.03060503856977448 6400282.84511379990726709)	Silcrete	Flake	Complete	0	69	40	14.3	1-50%	Multiple	NA	0
POINT(324633.63726449204841629 6400283.12720496766269207)	IM/Tuff	Flake	Complete	0	31.3	28.9	9.8	None	Single	NA	0
POINT(324633.21970218315254897 6400282.77162433974444866)	Silcrete	Flake	Complete	0	26.3	14.2	4.6	None	Faceted	NA	0
POINT(324637.28670118231093511 6400276.94011176656931639)	IM/Tuff	Flake	Complete	0	13.4	19.9	2.9	None	Single	NA	0
POINT(324624.39523027732502669 6400289.14144362881779671)	Quartz	Flake	Complete	0	23.3	23	6.9	Yes	Single	NA	0
POINT(324625.35152091516647488 6400289.1458521094173193)	Quartz	Flake	Complete	0	34	23	9.3	51-99%	Multiple	NA	0
POINT(324617.91239639755804092 6400293.20881956350058317)	IM/Tuff	Flake	Complete	0	28	36	11	1-50%	Single	NA	0
POINT(324615.97951367951463908 6400290.39591644518077374)	IM/Tuff	Flake	Broken Flake (Proximal)	0	18.9	0	0	None	Single	NA	0
POINT(324614.70715735724661499 6400278.20985771156847477)	Silcrete	Flake	Complete	0	19.4	19.3	7.4	None	Cortical	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324614.37214226007927209 6400277.82999948319047689)	Silcrete	Flake	Complete	0	40.1	21.2	12.8	1-50%	Single	NA	0
POINT(324611.50156205031089485 6400296.68822214379906654)	IM/Tuff	Flake	Complete	0	27.6	32.5	4.3	None	Single	NA	0
POINT(324603.98591192881576717 6400303.06961346697062254)	FGS Other	Flake	Complete	0	49.2	41	17.3	1-50%	Cortical	NA	0
POINT(324604.02151399711146951 6400303.07116271927952766)	IM/Tuff	Flake	Complete	0	20.4	22.8	6.7	None	Single	NA	0
POINT(324600.72587906161788851 6400307.18377211503684521)	Silcrete	Flake	Complete	0	37.1	36.4	23	None	Single	NA	0
POINT(324588.43999704509042203 6400312.43300492409616709)	Silcrete	Flake	Broken Flake (Proximal)	0	22.5	0	0	None	Single	NA	0
POINT(324580.90788149868603796 6400314.80858710594475269)	IM/Tuff	Flake	Broken Flake (Proximal)	0	34.4	0	0	Yes	Single	NA	0
POINT(324622.57225861051119864 6400272.42348263040184975)	IM/Tuff	Flake	Broken Flake (Proximal)	0	23.1	0	0	Yes	Single	NA	0
POINT(324624.53007111290935427 6400271.73303442634642124)	IM/Tuff	Flake	Complete	0	28.3	19	6.4	None	Single	NA	0
POINT(324628.99669526884099469 6400271.96131645701825619)	FGS Other	Flake	Complete	0	28.8	28.6	6	None	Multiple	NA	0
POINT(324624.8211204819381237 6400267.56756951659917831)	IM/Tuff	Flake	Complete	0	45	22	10	1-50%	Single	NA	0
POINT(324689.29573999944841489 6400277.11359728500247002)	IM/Tuff	Flake Shatter	NA	0	16.9	0	0	None	NA	NA	0
POINT(324673.87563308858079836 6400265.04127436503767967)	Silcrete	Flake Shatter	NA	0	41.5	0	0	None	NA	NA	0
POINT(324653.05383269803132862 6400277.38512494135648012)	Silcrete	Flake Shatter	NA	0	36	0	0	None	NA	NA	0
POINT(324641.48661163670476526 6400265.0870091188699007)	Silcrete	Flake Shatter	NA	0	15.6	0	0	None	NA	NA	0
POINT(324621.97626625362318009 6400284.7819745447486639)	IM/Tuff	Flake Shatter	NA	0	62	0	0	Yes	NA	NA	0

Coordinate location	Raw Material	Type	Flake or Core Type	Platform	Length	Width	Thickness	Cortex	Platform	Scar #	Scar length
POINT(324606.24841612030286342 6400301.68499198090285063)	IM/Tuff	Flake Shatter	NA	0	34.6	0	0	None	NA	NA	0
POINT(324630.70720412582159042 6400270.6968347355723381)	IM/Tuff	Flake Shatter	NA	0	33	0	0	None	NA	NA	0
POINT(324623.3454197597457096 6400260.41532407328486443)	Silcrete	Flake Shatter	NA	0	15.6	0	0	None	NA	NA	0



Plate 1 View east across Rixs Creek AS16



Plate 2 Rixs Creek AS16 sample artefact



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

6/2/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☒ Rolling hills
☐ Steep hills
☐ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

2 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☐ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 255 metres

Distance to temporary water source 20 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

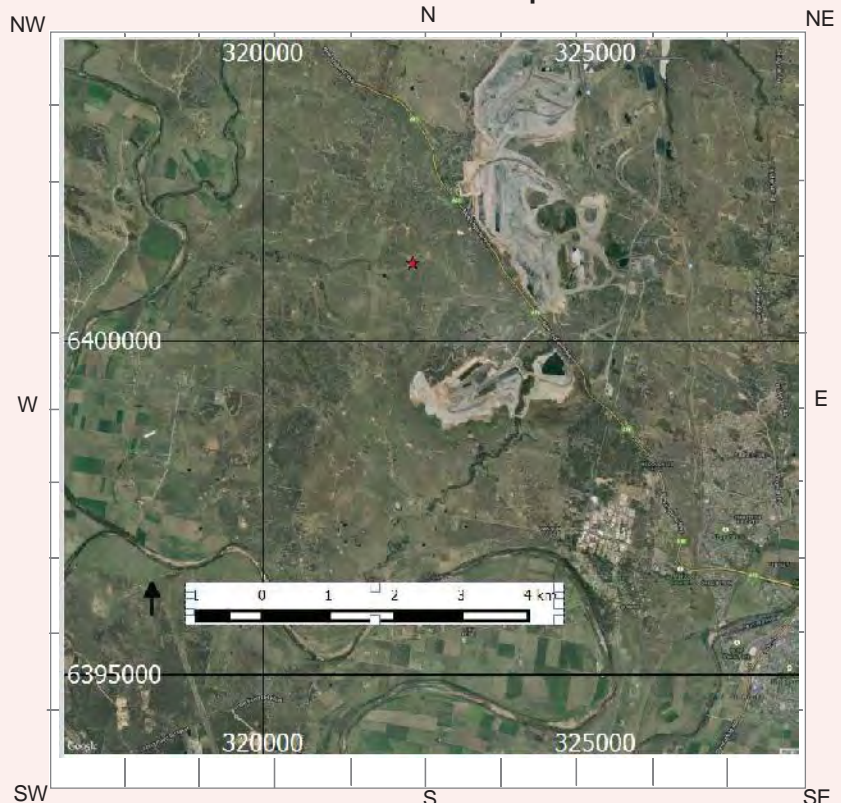
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Aboriginal
 Archaeological Due Diligence for area of possible future
 works. Report prepared for Rix's Creek Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Open Site

Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

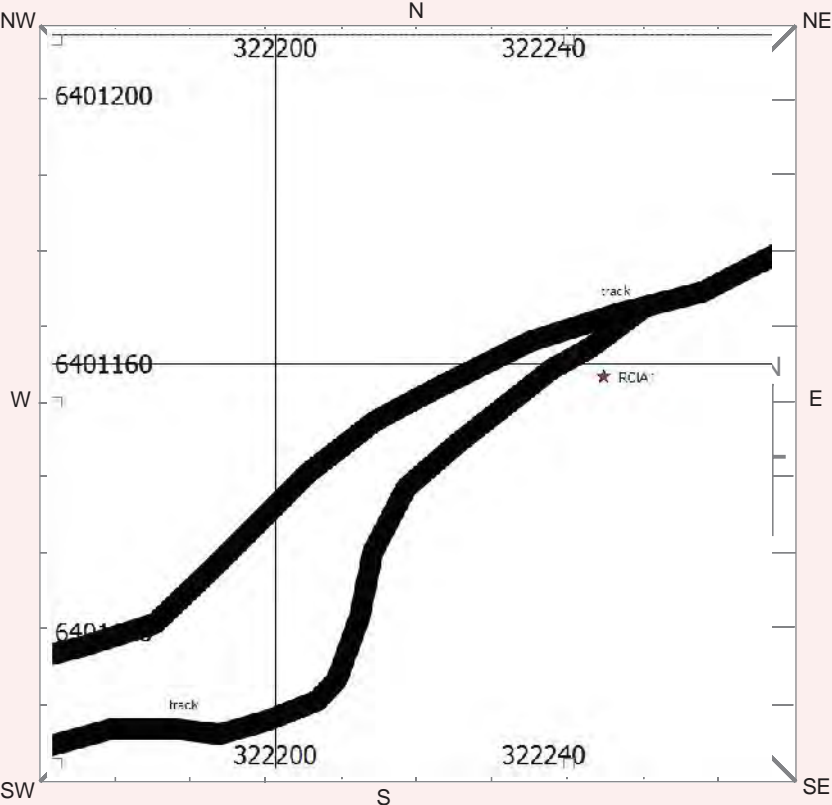
Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 m sq Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

The site Rixs Creek Isolated Artefact 1 (RCIA1) consisted of an indurated tuff/mudstone retouched flake located immediately adjacent to a vehicle track at 322249mE 6401158mN (GDA 94 Zone 56). This isolated artefact was in an area that had been subject to vegetation clearance and erosion. A dam was located downslope to the north of this site. The channel of Dead Mans Gully was located downslope to the north of this site, past the dam. An unnamed drainage line was adjacent to the site, located approximately 20m to the east of it. The artefact was not in situ.

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 1"/>
First recorded date	<input type="text" value="6/2/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m) Width (m) Depth (m) In situ Stratified

Feature Condition

General Condition

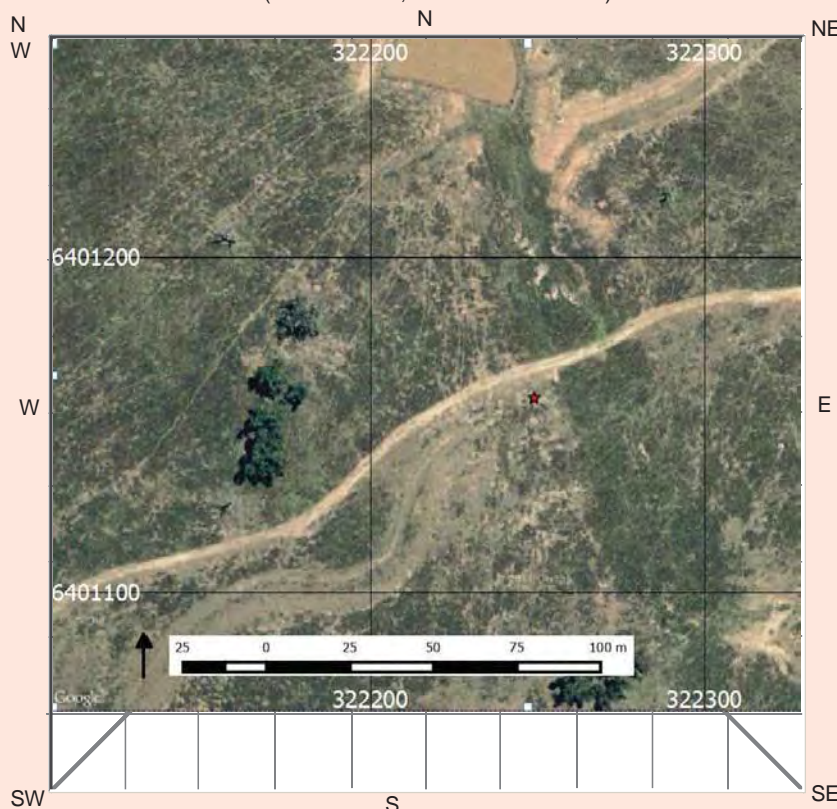
Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☐ Weathered
- ☒ Vehicle damage
- ☐ Surface water wash
- ☐ Fire damage
- ☒ Erosion
- ☐ Stock damage
- ☒ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

High/strong
High/weak
Low/weak
Irregular

Comments:



Plate 1 View east across Rixs Creek IA1 from 322248 mE 6401160mN



Plate 2 Rixs Creek IA1 isolated artefact at site location



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

2 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☒ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 50 metres

Distance to temporary water source 170 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☒ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of a silcrete core. The artefact was at coordinates GDA94 Zone 56 322876mE 6401598mN. The artefact was located in a disturbed area close to a vehicle track and adjacent to a fenceline. The site area was eroded with good ground surface visibility (60%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 2"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

 Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="1"/>	Length (m)	<input type="text" value="1"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
										Stratified	Yes <input type="text"/> No <input type="text"/>

(Artefact count per square metre)

Feature Condition General Condition

<input type="checkbox"/> Very good	<input checked="" type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input type="checkbox"/> Stock damage
	<input type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Lower slope"/>	Land form unit
<input type="text" value="2"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="50"/>	metres
Distance to temporary water source	<input type="text" value="170"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Comments:

[illegible]



Plate 1 View south across Rixs Creek IA2



Plate 2 Rixs Creek IA1 isolated artefact – silcrete core



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☐ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☒ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Slope** degrees**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

WaterDistance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water **Directions for Relocation**

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☒ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of a silcrete core at coordinates GDA94 Zone 56 322864mE 6401111mN. The artefact was located on a lower slope close to an unnamed gully. The area had been subject to past vegetation clearance and erosion. Due to vegetation cover the ground surface visibility in this area was poor (15%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 3"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density

Dimensions

Yes No

(Artefact count per square metre) Length (m) Width (m) Depth (m)In situ Stratified

Feature Condition

General Condition

Recommended Action

- ☐ Very good
- ☐ Good
- ☒ Poor

- ☒ Weathered
- ☐ Vehicle damage
- ☒ Surface water wash
- ☐ Fire damage
- ☐ Erosion
- ☐ Stock damage
- ☐ Exposed archaeological material

- ☐ Boardwalk
- ☐ Fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Fire hazard reduction
- ☐ Expert assessment
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Signage
- ☐ Soil erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

Water

- Distance to permanent water source metres
- Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

High/strong
High/weak
Low/weak
Irregular

[illegible]



Plate 1 View south across Rixs Creek IA3



Plate 2 Rixs Creek IA3 isolated artefact – silcrete core



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☐ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☒ Stream bank☐ Stream channel☐ Swamp☐ Terrace☐ Terrace flat**Slope** degrees**Vegetation**

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

WaterDistance to permanent water source metresDistance to temporary water source metresName of nearest permanent water source Name of nearest temporary water **Directions for Relocation**

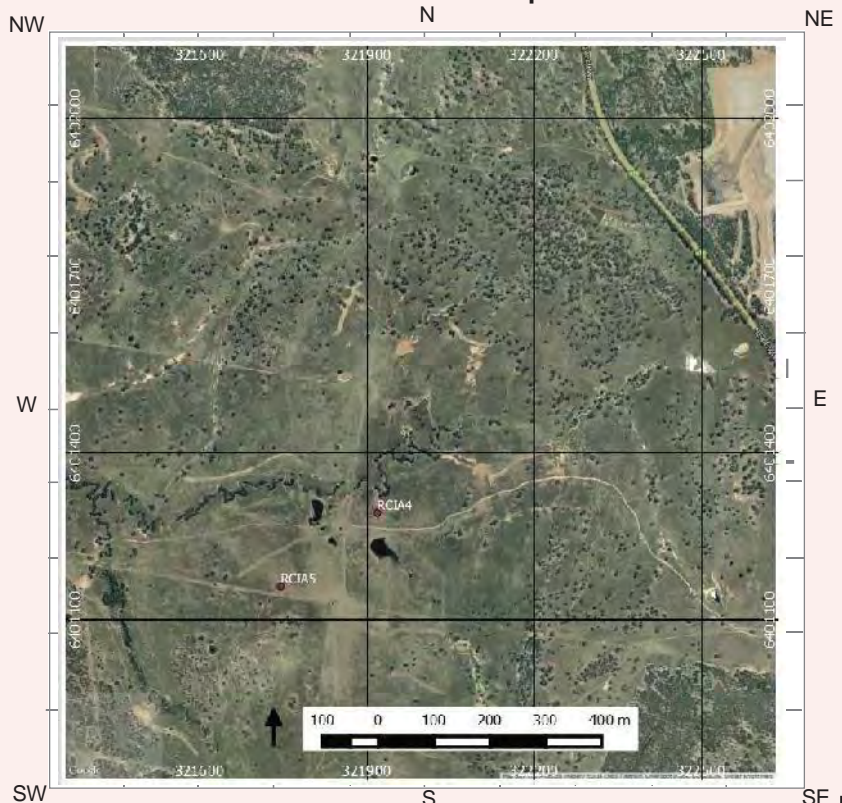
Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☒ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of an silicified tuff broken proximal flake at coordinates GDA94 Zone 56 321918mE 6401291mN. This artefact was located on the southern bank of Dead Mans Gully. The area had been subject to stock trampling and erosion. Ground surface visibility in this area was poor (15%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 4"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="1"/>	Length (m)	<input type="text" value="1"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
(Artefact count per square metre)										Stratified	Yes <input type="text"/> No <input type="text"/>

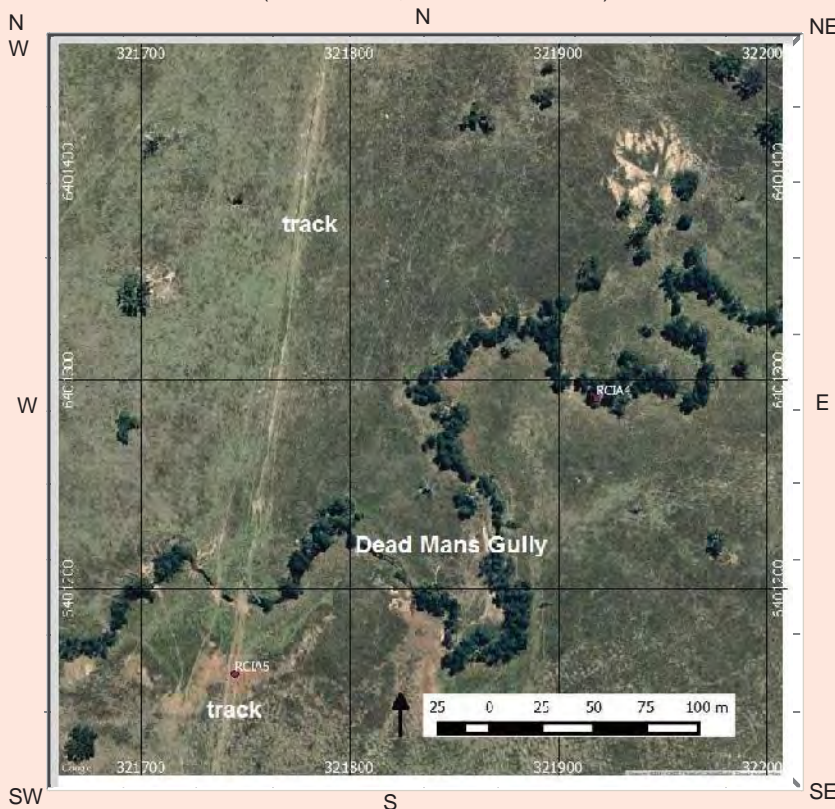
Feature Condition General Condition

<input type="checkbox"/> Very good	<input type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input type="checkbox"/> Stock damage
	<input type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Stream bank"/>	Land form unit
<input type="text" value="1"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="0"/>	metres
Distance to temporary water source	<input type="text" value="190"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

[illegible]



Plate 1 View east across Rixs Creek IA4



Plate 2 Rixs Creek IA4 artefact – silicified tuff broken proximal flake



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Non-Differential GPS

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

27/05/2014

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

3 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 35 metres

Distance to temporary water source 775 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

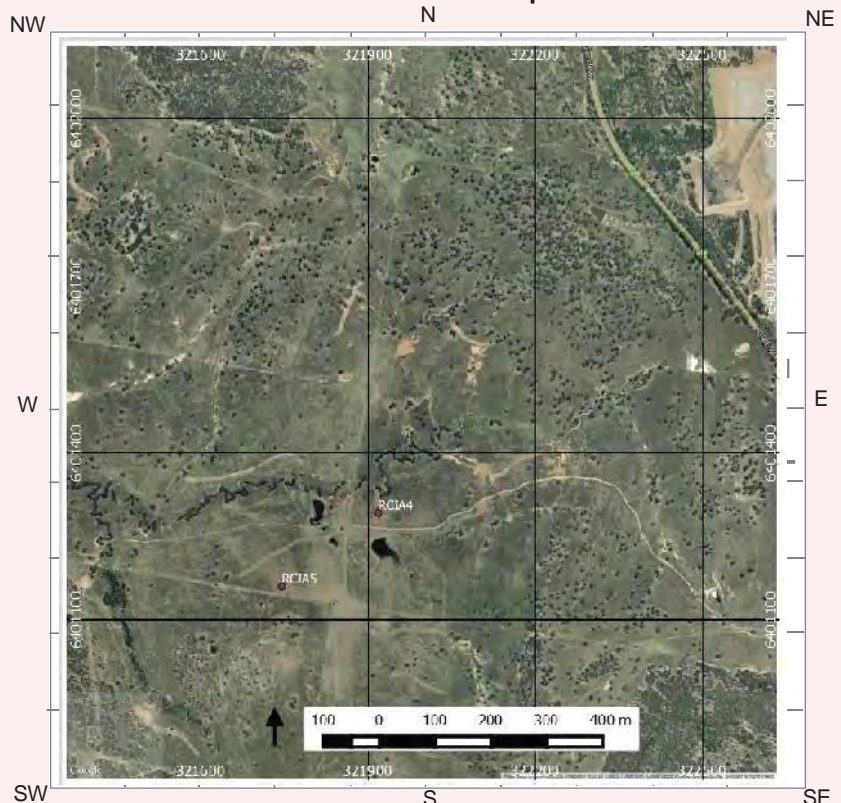
Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary reportI.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

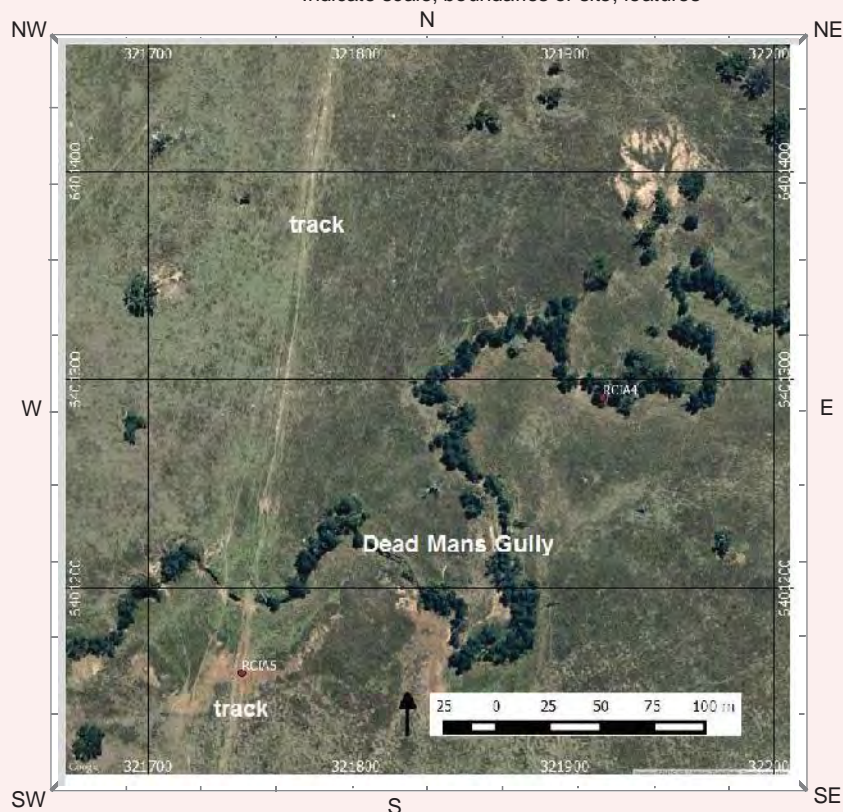
Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of a silcrete flake at coordinates GDA94 Zone 56 321745mE 6401160mN. The artefact was located on a track adjacent to a fenceline on the southern side of Dead Mans Gully. Visibility in this area was poor (25%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 5"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	Dimensions		Yes No
(Artefact count per square metre)			
<input type="text" value="1"/>	<input type="text" value="1"/> Length (m) <input type="text" value="1"/> Width (m) <input type="text"/> Depth (m) <input type="text"/>	In situ	<input type="text" value="No"/>
		Stratified	<input type="text" value="No"/>

Feature Condition General Condition

<input type="checkbox"/> Very good	<input checked="" type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input type="checkbox"/> Stock damage
	<input type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Midslope"/>	Land form unit
<input type="text" value="3"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="35"/>	metres
Distance to temporary water source	<input type="text" value="775"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

High/strong
High/weak
Low/weak
Irregular

[illegible]



Plate 1 View north across Rixs Creek IA5



Plate 2 Rixs Creek IA5 artefact – silcrete flake



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

☐

Client on system

☐

Client on system

☐

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

3 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 950 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

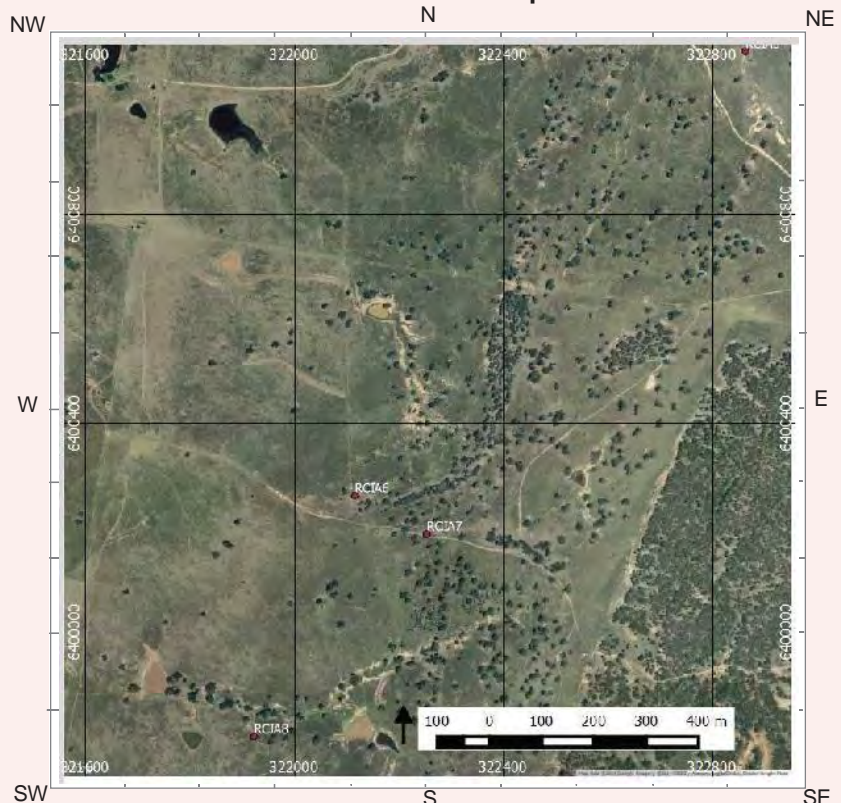
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

Closed Site

- ☐ Boulder
- ☐ Wind erosion
- ☐ Water erosion
- ☐ Rock collapse

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

- ☒ N-S
- ☐ NE-SW
- ☐ E-W
- ☐ SE-NW
- ☐ N/A

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

- ☐ North
- ☐ North East
- ☐ East
- ☐ South East
- ☐ South
- ☐ South West
- ☐ West
- ☐ North West

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
- ☐ 2. Aboriginal Resource & Gathering
- ☐ 3. Art
- ☒ 4. Artefact
- ☐ 5. Burial
- ☐ 6. Ceremonial Ring
- ☐ 7. Conflict
- ☐ 8. Earth Mound
- ☐ 9. Fish Trap
- ☐ 10. Grinding Groove
- ☐ 11. Habitation Structure
- ☐ 12. Hearth
- ☐ 13. Non Human Bone & Organic Material
- ☐ 14. Ochre quarry
- ☐ 15. Potential Archaeological Deposit
- ☐ 16. Stone Quarry
- ☐ 17. Shell
- ☐ 18. Stone Arrangement
- ☐ 19. Modified Tree
- ☐ 20. Water Hole

	Internal length
	Internal width
	Shelter height
	Shelter floor area

1	Total length of visible site
1	Average width of visible site
1 sq m	Estimated area of visible site
1	Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of a silcrete flake at coordinates GDA94 Zone 56 322118mE 6400261mN. It was located on the northern bank of an unnamed tributary of Dead Mans Gully. The area had been subject to heavy erosion. Ground surface visibility in this area was fair (40%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There is a vertical margin line on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard sheet of stationery.

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 6"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="1"/>	Length (m)	<input type="text" value="1"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
(Artefact count per square metre)										Stratified	Yes <input type="text"/> No <input type="text"/>

Feature Condition General Condition

<input type="checkbox"/> Very good	<input checked="" type="checkbox"/> Weathered
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage
<input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surface water wash
	<input type="checkbox"/> Fire damage
	<input checked="" type="checkbox"/> Erosion
	<input type="checkbox"/> Stock damage
	<input checked="" type="checkbox"/> Exposed archaeological material

Recommended Action

<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Closure to public	<input type="checkbox"/> Soil erosion control
<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Fire hazard reduction	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Expert assessment	
<input type="checkbox"/> Meeting with land manager	

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Midslope"/>	Land form unit
<input type="text" value="3"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="950"/>	metres
Distance to temporary water source	<input type="text" value="0"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

page 2

[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	Platform Type	Cross Section
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

[illegible]



Plate 1 View south across Rixs Creek IA6



Plate 2 Rixs Creek IA6 silcrete flake



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☒ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☐ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Slope

3 degrees

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 1,050 metres

Distance to temporary water source 30 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water drainage line

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

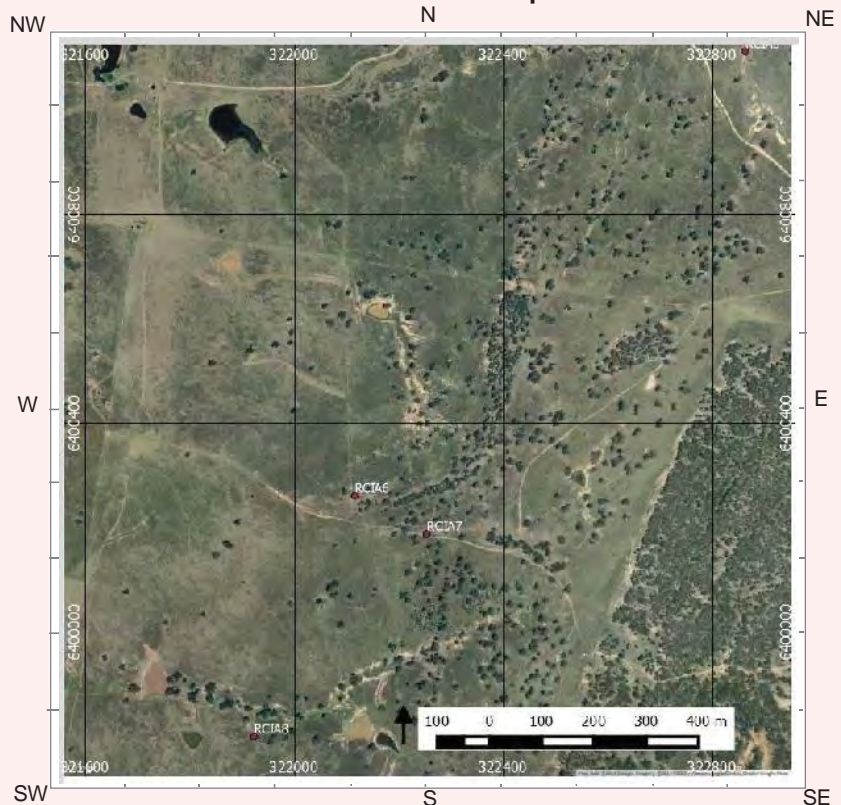
Current Land Tenure

- ☐ Public National Park / other Government Dept.
☒ Private Rixs Creek Colliery

Primary report

I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek
 Continuation of Mining Project. Aboriginal
 Archaeological & Cultural Heritage Impact Assessment.
 Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

Site Orientation

- ☒ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☐ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

A new isolated artefact site was identified consisting of a silcrete core at coordinates GDA94 Zone 56 322256mE 6400188mN. It was located on a vehicle track in a midslope area. Ground surface visibility in this area was fair (35%).

[illegible]

☐ A4 location map

☐ B/W photographs

☐ Colour photographs

☐ Slides

☐ Aerial photographs

☐ Site plans, drawings

☐ Recording tables

☐ Other

☐ Feature inserts-No.

[illegible]

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 7"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="1"/> Length (m)	<input type="text" value="1"/> Width (m)	<input type="text"/> Depth (m)	In situ	Yes No <input type="text" value="No"/>
(Artefact count per square metre)						Stratified	Yes No <input type="text" value="No"/>

Feature Condition General Condition

- | | |
|--|--|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input checked="" type="checkbox"/> Erosion |
| | <input type="checkbox"/> Stock damage |
| | <input type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Midslope"/>	Land form unit
<input type="text" value="3"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="1,050"/>	metres
Distance to temporary water source	<input type="text" value="30"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Cross Section

- High/strong
- High/weak
- Low/weak
- Irregular

Comments:



Plate 1 View south across Rixs Creek IA7



Plate 2 Rixs Creek IA6 silcrete core



Aboriginal Site Recording Form

AHIMS Registrar
PO Box 1967, Hurstville NSW 2220



Office Use Only

Site Number

Date received

Date entered into system

Date catalogued

Entered by (I.D.)

Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

For Further Information Contact:

☐ Nominated Trustee

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

☐ Knowledge Holder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Geographic Location

Site Name

Easting

Northing

AGD/GDA

Mapsheet

Zone

Location Method

Other Registration

Primary Recorder

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Date recorded

Office Use Only

Client on system

Client on system

Client on system

OPEN/CLOSE SITE **Open Site****Site Context****Landform**

- ☐ Mountainous
☐ Plain
☐ Rolling hills
☐ Steep hills
☒ Undulating plain

Slope

0 degrees

Landform Unit

- ☐ Beach
☐ Coastal rock platform
☐ Dune
☐ Intertidal flat
☐ Lagoon
☐ Tidal Creek

- ☐ Tidal Flat
☐ Cliff
☐ Crest
☐ Flat
☐ Lower slope
☐ Mid slope

- ☐ Upper slope
☐ Plain
☐ Ridge
☐ Tor
☐ Valley flat
☐ Levy

- ☒ Stream bank
☐ Stream channel
☐ Swamp
☐ Terrace
☐ Terrace flat

Vegetation

- ☐ Closed forest
☐ Grasslands
☐ Isolated clumps of trees
☐ Open forest
☐ Open woodland
☐ Scrub
☐ Woodland
☒ Cleared
☐ Revegetated
☐ N/A

Land use

- ☐ Conservation
☐ Established urban
☐ Farming-intensive
☒ Farming-low intensity
☐ Forestry
☐ Industrial
☐ Mining
☒ Pastoral/grazing
☐ Recreation
☐ Semi-rural
☐ Service corridor
☐ Transport corridor
☐ Urban expansion
☐ Residential

Water

Distance to permanent water source 1,350 metres

Distance to temporary water source 0 metres

Name of nearest permanent water source Dead Mans Gully

Name of nearest temporary water unnamed gully

Directions for Relocation

Access to the property must be organised through Rixs Creek Colliery. The property can be accessed via a gate on the western side of the New England Highway, approximately 7.7km to the NW of Singleton. The track from this gate leads to the site. GPS coordinates and map data should be utilised to identify the exact site area.

Current Land Tenure☐ Public National Park / other Government Dept.☒ Private Rixs Creek Colliery**Primary report**

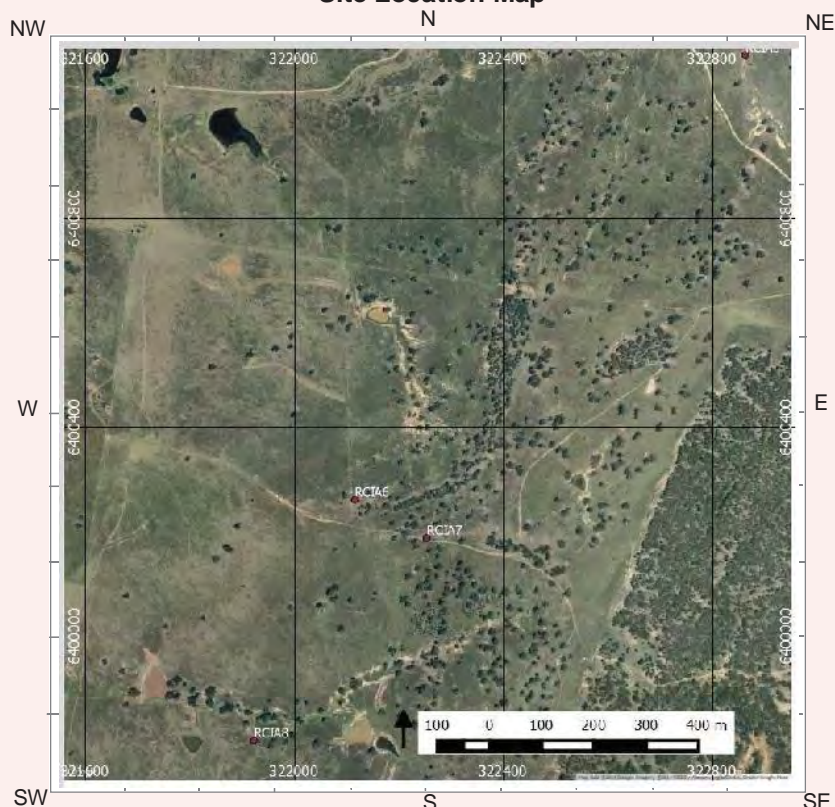
I.D. (I.D. Office Use only)

AECOM Australia Pty Ltd. 2014. Rixs Creek

Continuation of Mining Project. Aboriginal

Archaeological & Cultural Heritage Impact Assessment.

Report prepared for Rixs Creek Mine Pty Ltd.

Site Location Map

General Site Information

Closed Site

Shelter/Cave Formation

- ☐ Boulder
☐ Wind erosion
☐ Water erosion
☐ Rock collapse

Rock Surface Condition

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Condition of Ceiling

- ☐ Boulder
☐ Sandstone platform
☐ Silica gloss
☐ Tessellated
☐ Weathered
☐ Other platform

Shelter Aspect

- ☐ North
☐ North East
☐ East
☐ South East
☐ South
☐ South West
☐ West
☐ North West

Open Site

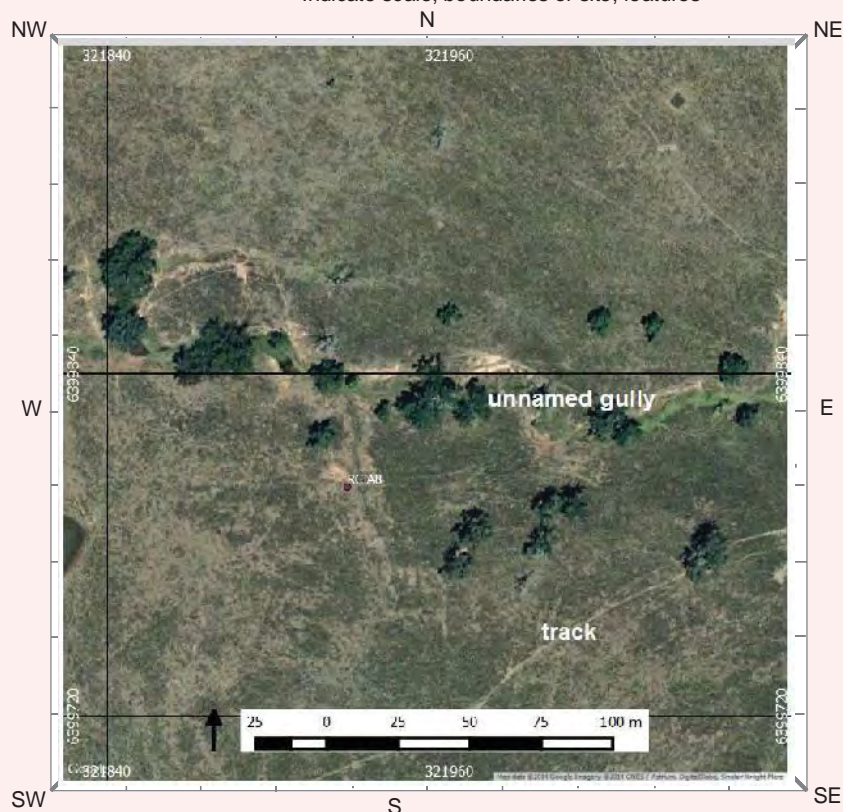
Site Orientation

- ☐ N-S
☐ NE-SW
☐ E-W
☐ SE-NW
☒ N/A

Features

- ☐ 1. Aboriginal Ceremony & Dreaming
☐ 2. Aboriginal Resource & Gathering
☐ 3. Art
☒ 4. Artefact
☐ 5. Burial
☐ 6. Ceremonial Ring
☐ 7. Conflict
☐ 8. Earth Mound
☐ 9. Fish Trap
☐ 10. Grinding Groove
☐ 11. Habitation Structure
☐ 12. Hearth
☐ 13. Non Human Bone & Organic Material
☐ 14. Ochre quarry
☐ 15. Potential Archaeological Deposit
☐ 16. Stone Quarry
☐ 17. Shell
☐ 18. Stone Arrangement
☐ 19. Modified Tree
☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features



Site Dimensions

Closed Site Dimensions (m)

- Internal length
 Internal width
 Shelter height
 Shelter floor area

Open Site Dimensions (m)

- Total length of visible site
 Average width of visible site
 sq m Estimated area of visible site
 Length of assessed site area

Aboriginal Community Interpretation and Management Recommendations

A total of 30 RAP groups took part in consultation for this assessment. RAP representatives noted the level of past disturbance across the area, including vegetation clearance, erosion and earthworks associated with dams and contour banks. RAP participants generally noted the importance of water sources to past Aboriginal people, with Rixs Creek and Dead Mans Gully both identified as foci for past activity in the area. Regarding the cultural material identified, RAP representatives noted that it was of significance as it provided a physical link to their ancestors. The artefacts within the landscape provided a tangible presence, marking the location and activity of the area's Aboriginal past. The nature of lost connections to the past and the part that sites played in fostering re-connections for some members of the Aboriginal community was also noted.

Preliminary Site Assessment**Site Cultural & Scientific Analysis and Preliminary Management Recommendations**

A new isolated artefact site was identified consisting of an silicified tuff broken proximal flake. The artefact was located at coordinates GDA94 Zone 56 321925mE 6399801mN. The artefact was located on the southern bank of an unnamed tributary of dead Mans Creek. The area had been subject to heavy erosion with the tributary deeply incised. Ground surface visibility in the area was fair (35%).

This section should only be filled in by the Endorsees

Endorsed by: ☐ Knowledge Holder ☐ Nominated Trustee ☐ Native Title Holder ☐ Community Consensus

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

Attachments (No.)

- ☐ A4 location map
☐ B/W photographs
☐ Colour photographs
☐ Slides
☐ Aerial photographs
☐ Site plans, drawings
☐ Recording tables
☐ Other
☐ Feature inserts-No.

Comments

Site I.D.	<input type="text"/>	Site Name	<input type="text" value="Rixs Creek Isolated Artefact 8"/>
First recorded date	<input type="text" value="27/5/2014"/>	Importance	<input type="text" value="Cannot be presently determined"/>
No. of instances	<input type="text" value="1"/>		
Recorded by	<input type="text" value="AECOM"/>		
Stone artefacts only	Yes <input type="text"/> No <input type="text"/>	Percentage of Non-stone Artefacts to Percentage of Stone Artefacts	
Artefacts collected	<input type="text" value="No"/>	0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%	
Permit issued	<input type="text" value="No"/>	<input type="text" value="0-9%"/>	

Feature Context & Condition

 Scatter No. Easting Northing

Density	<input type="text" value="1"/>	Dimensions	<input type="text" value="1"/>	Length (m)	<input type="text" value="1"/>	Width (m)	<input type="text"/>	Depth (m)	<input type="text"/>	In situ	Yes <input type="text"/> No <input type="text"/>
(Artefact count per square metre)										Stratified	Yes <input type="text"/> No <input type="text"/>

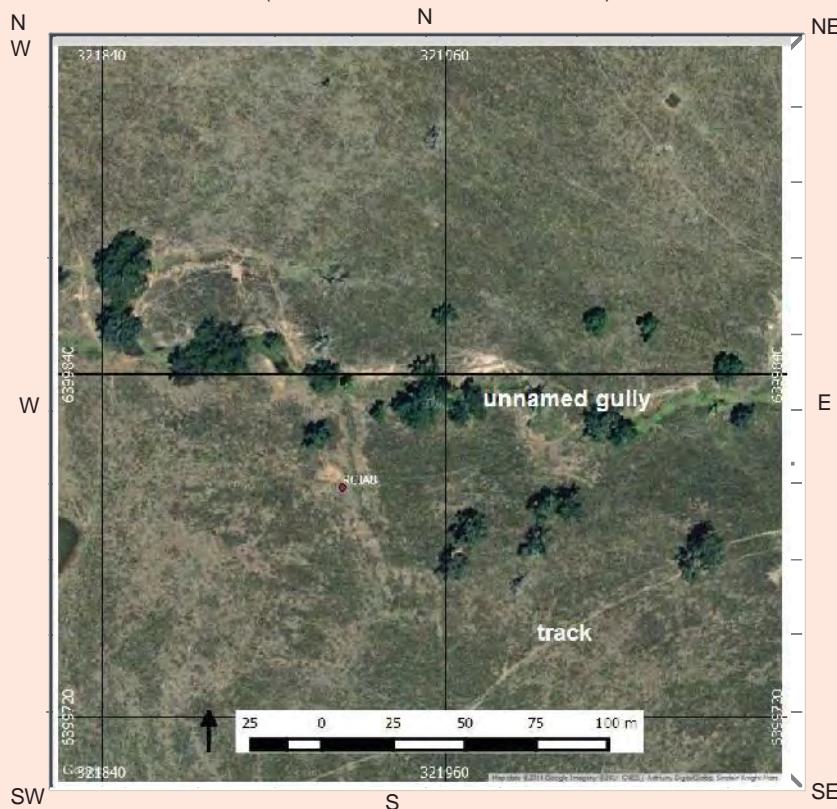
Feature Condition General Condition

- | | |
|--|--|
| <input type="checkbox"/> Very good | <input checked="" type="checkbox"/> Weathered |
| <input type="checkbox"/> Good | <input type="checkbox"/> Vehicle damage |
| <input checked="" type="checkbox"/> Poor | <input checked="" type="checkbox"/> Surface water wash |
| | <input type="checkbox"/> Fire damage |
| | <input checked="" type="checkbox"/> Erosion |
| | <input type="checkbox"/> Stock damage |
| | <input type="checkbox"/> Exposed archaeological material |

Recommended Action

- | | |
|--|---|
| <input type="checkbox"/> Boardwalk | <input type="checkbox"/> Revegetation |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Closure to public | <input type="checkbox"/> Soil erosion control |
| <input type="checkbox"/> Continued inspection | <input type="checkbox"/> Track closure/re-routing |
| <input type="checkbox"/> Fire hazard reduction | <input type="checkbox"/> Additional recording |
| <input type="checkbox"/> Expert assessment | |
| <input type="checkbox"/> Meeting with land manager | |

Feature Plan (Indicate scale, location of instances)



Feature Environment

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

<input type="text" value="Undulating plain"/>	Land form
<input type="text" value="Stream bank"/>	Land form unit
<input type="text" value="0"/>	Slope
<input type="text" value="Cleared"/>	Vegetation
<input type="text" value="Farming/pastoral"/>	Land use

Water

Distance to permanent water source	<input type="text" value="1,350"/>	metres
Distance to temporary water source	<input type="text" value="0"/>	metres

Name of nearest permanent water source

Name of nearest temporary water

NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

Stone Artefact

[illegible]

Other Artefact Type

[illegible]

Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

Platform Type

- W
- Focal
- Shattered
- Indeterminate
- Bipolar

Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

Cross Section

High/strong
High/weak
Low/weak
Irregular

Comments:



Plate 1 View south across Rixs Creek IA8