SITE NAME: ALLANDALE RAIL 6

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20	2	1	1	1	50	40	0.4	1	2.500	possible

Additional Comments:

- Located along a horse track close to the rail corridor (within 5m);
- Bordered by she-oak regrowth and grass;
- Artefact is a red silcrete flake.

Site Location: Allandale Rail 6

Photograph: Allandale Rail 6 (artefact - inset)

SITE NAME: ALLANDALE RAIL 7

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	30	30	0.3	2	6.667	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	flake - medial	**Total**
tuff	1	1	**2**
Total	**1**	**1**	**2**

Additional Comments:

- Directly adjacent to fence line;
- Horse track which extends through the area has affected site;
- Dense grass, Casuarina and Eucalypts in locality.

Site Location: Allandale Rail 7

Photograph: Allandale Rail 7 (artefacts - inset)

SITE NAME: ALLANDALE RAIL 8

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	15	5	75	50	30	22.5	4	0.178	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	3	**3**
tuff	1	**1**
Total	**4**	**4**

Additional Comments:

- Located on a light vehicle access track;
- Dense grass, she-oak and Eucalypts around.

Site Location: Allandale Rail 8

Photograph: Allandale Rail 8

SITE NAME: ALLANDALE RAIL 9

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
200	3	200	3	600	80	60	360	79	0.219	possible

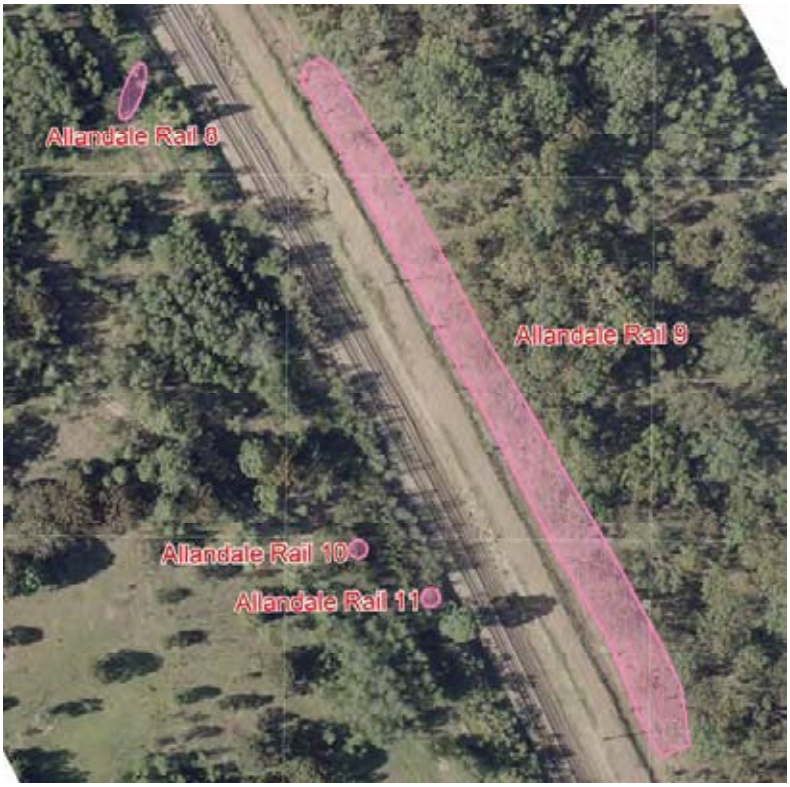
Summary of Artefact Types and Stone Materials:

	Lithic Item Type									
Stone Material	core	core fragment	flake	flake - distal	flake - longitudinal	flake - medial	flake - proximal	lithic fragment	retouched flake	**Total**
chalcedony							1			**1**
quartz			1							**1**
sedimentary			2	1						**3**
silcrete		1	9		3	6	8	5		**32**
tuff	1	2	23	2		5	2	6	1	**42**
Total	**1**	**3**	**35**	**3**	**3**	**11**	**11**	**11**	**1**	**79**

Additional Comments:

- Impacts from the railway, vehicle track and horse track.

Site Location: Allandale Rail 9



Photograph: Allandale Rail 9

SITE NAME: ALLANDALE RAIL 10

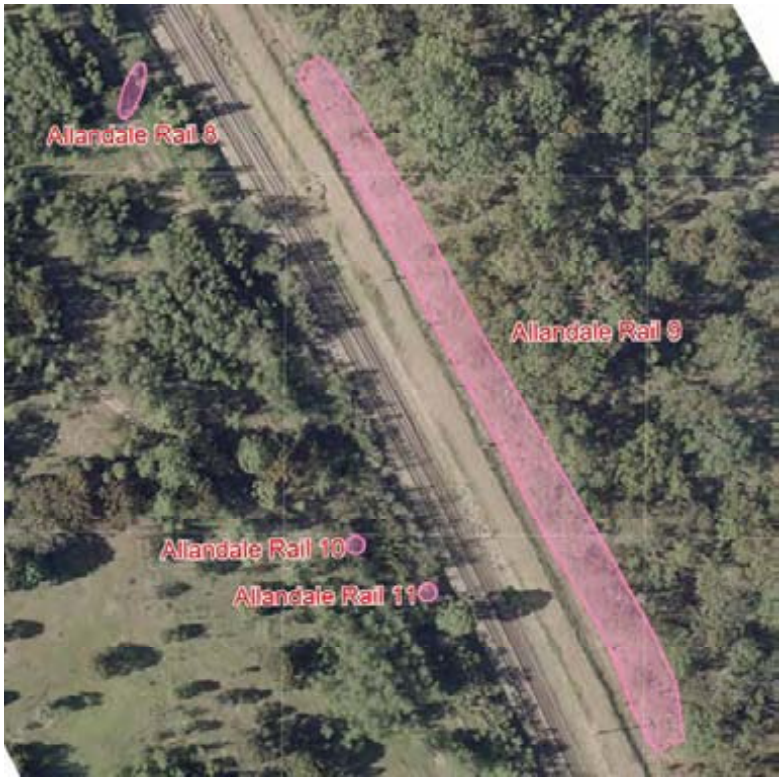
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
300	3	1	1	1	80	10	0.1	1	10.000	possible

Additional Comments:

- Located on a light vehicle access track;
- Moderately dense grass cover and she-oak in adjacent areas;
- Artefact is a red silcrete single platform core.

Site Location: Allandale Rail 10



Photograph: Allandale Rail 10

SITE NAME: ALLANDALE RAIL 11

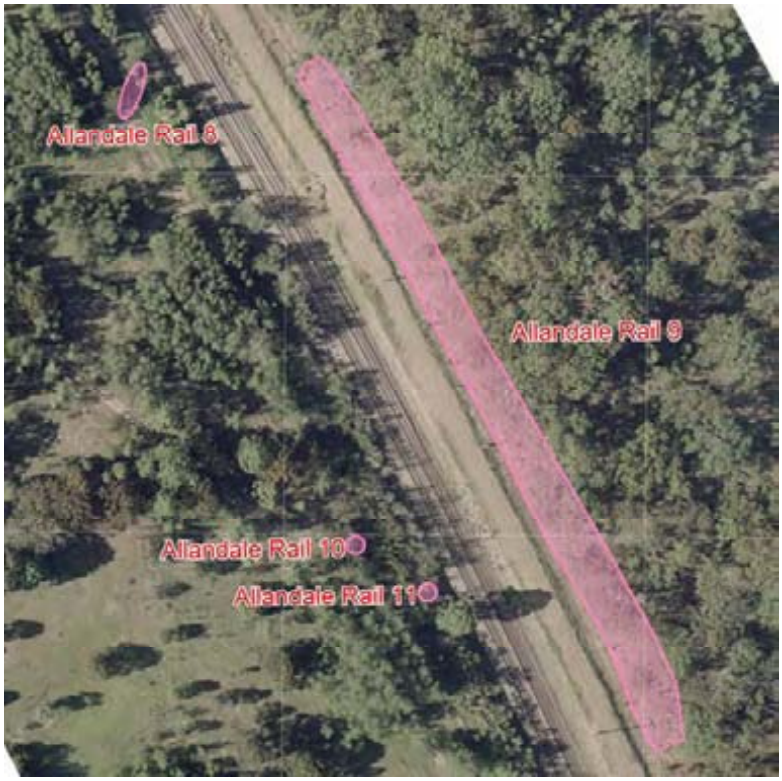
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
200	3	1	1	1	70	20	0.2	1	5.000	possible

Additional Comments:

- Located on a light vehicle access track;
- Moderately dense grass cover and she-oak;
- Artefact is an orange tuff flake.

Site Location: Allandale Rail 11



Photograph: Allandale Rail 11

SITE NAME: ALLANDALE RAIL 12

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	20	10	0.1	1	10.000	possible

Additional Comments:

- Located 10m east of access track;
- She-oak and grass;
- Artefact is a cream/red tuff flake.

Site Location: Allandale Rail 12

Photograph: Allandale Rail 12

SITE NAME: ALLANDALE RAIL 13

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	20	10	0.1	1	10.000	possible

Additional Comments:

- Located 10m east of access track;
- Dense grass;
- Artefact is a pink silcrete flake.

Site Location: Allandale Rail 13

Photograph: Allandale Rail 13

SITE NAME: ALLANDALE RAIL 14

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	28/09/2009	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
2	2	1	1	1	30	10	0.1	1	10.000	possible

Additional Comments:

- Located near vehicle access track and fence bordering rail reserve;
- Dense grass;
- Artefact is a cream tuff flake.

Site Location: Allandale Rail 14

Photograph: Allandale Rail 14

SITE NAME: ALLANDALE RAIL 15

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	90	10	0.10	1	10.000	unlikely

Additional Comments:

- Located on vehicle access track within the rail corridor;
- Artefact is a yellow tuff flake.

Site Location: Allandale Rail 15

Photograph: Allandale Rail 15 (artefact - inset)

SITE NAME: ALLANDALE RAIL 16

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Flat*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
4	1	1	1	1	60	50	0.5	3	6.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	1	**1**
tuff	2	**2**
Total	**3**	**3**

Additional Comments:

- Located on a light vehicle access track within 20m of a large Eucalypt stand;
- Dense grass cover.

Site Location: Allandale Rail 16

Photograph: Allandale Rail 16

SITE NAME: ALLANDALE RAIL 17

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	40	30	0.3	1	3.333	possible

Additional Comments:

- Located on a light vehicle access track within 10m of rail and 20m of a large Eucalypt stand;
- Dense grass cover;
- Artefact is a pink silcrete flake.

Site Location: Allandale Rail 17

Photograph: Allandale Rail 17 (artefact - inset)

SITE NAME: ALLANDALE RAIL 18

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	120	20	2400	20	10	240	12	0.050	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type					
Stone Material	core	flake	flake - medial	flake - proximal	lithic fragment	**Total**
silcrete	2	4		1	2	**9**
tuff			2	1		**3**
Total	**2**	**4**	**2**	**2**	**2**	**12**

Additional Comments:

- Located on rail side of creek line;
- Small pebbles but no raw material outcrops;
- Area has been previously cleared, currently regrowth Eucalyptus and grass;
- Casuarina stands near creek;
- Cement drain cover nearby;
- Ants nests;
- Silty surface with dense leaf litter and moss cover;
- Ground is swampy nearer creek;
- 10m to the north of the access road to rail.

Site Location: Allandale Rail 18

Photograph: Allandale Rail 18 (artefact - inset)

SITE NAME: ALLANDALE RAIL 19

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*25/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Spur crest*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	20	1	1	1	90	80	0.8	1	1.250	possible

Additional Comments:

- Ballast from rail corridor;
- Disturbance from Old North Road verge and road works;
- Grassy with scattered Eucalypts;
- Artefact is a cream tuff proximal flake portion.

Site Location: Allandale Rail 19

Photograph: Allandale Rail 19 (artefact - inset)

SITE NAME: ALLANDALE RAIL 20

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	60	50	0.5	1	2.000	possible

Additional Comments:

- Sandy clay surface;
- Some gravels including quartz and quartzite;
- Grassy pasture;
- Artefact is a pink silcrete flake.

Site Location: Allandale Rail 20

Photograph: Allandale Rail 20 (artefact - inset)

SITE NAME: ALLANDALE RAIL 21

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*27/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate - high*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3+	10	2	20	100	90	18	2	0.111	unlikely

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	flake - proximal	**Total**
silcrete		1	**1**
tuff	1		**1**
Total	**1**	**1**	**2**

Additional Comments:

- Artefacts at the top of a large cutting/embankment where the rail has been excavated;
- Available materials include silcrete, tuff and quartz;
- Eucalypt and wattle to south of site.

Site Location: Allandale Rail 21

Photograph: Allandale Rail 21 (artefacts - inset)

SITE NAME: BELFORD RAIL 1

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Regrowth forest*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100+	30	1	1	1	90	1	0.01	1	100.00	unlikely

Additional Comments:

- Artefact located within rail corridor where works and disturbance have increased surface visibility;
- Artefact not i*n situ*;
- Clayey surface;
- Site is c.25m from rail;
- Mature Eucalypts nearby;
- Artefact is an orange tuff single platform core.

Site Location: Belford Rail 1

Photograph: Belford Rail 1 (artefact - inset)

SITE NAME: BELFORD RAIL 2

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*High*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20	2	1	1	1	100	100	1	2	2.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core	flake - proximal	**Total**
silcrete	1		**1**
tuff		1	**1**
Total	**1**	**1**	**2**

Additional Comments:

- Silcrete pebbles available;
- Artefacts located in wall of dam - built up using excavated material;
- Not *in situ*;
- Grasses and small shrubs.

Site Location: Belford Rail 2

Photograph: Belford Rail 2

SITE NAME: BELFORD RAIL 3

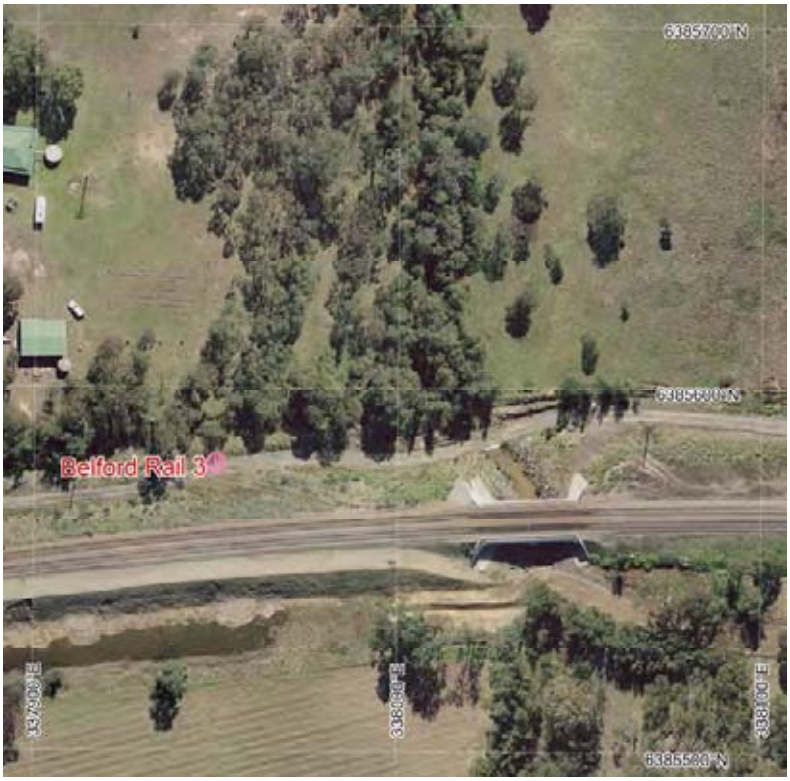
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
200+	10	1	1	1	100	5	0.05	1	20.000	unlikely

Additional Comments:

- Artefact located in ballast on access track for rail corridor;
- Not *in situ*;
- Very low potential;
- Artefact is a brown tuff flake.

Site Location: Belford Rail 3



Photograph: Belford Rail 3 (artefact - inset)

SITE NAME: BELFORD RAIL 4

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*14/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Regrowth forest*
Slope:	*Moderate*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	10	5	2	10	2	2	0.2	2	10.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core	flake	**Total**
silcrete	1	1	**2**
Total	**1**	**1**	**2**

Additional Comments:

- Regrowth she-oak and eucalypts.

Site Location: Belford Rail 4

Photograph: Belford Rail 4 (artefact - inset)

SITE NAME: BELFORD RAIL 5

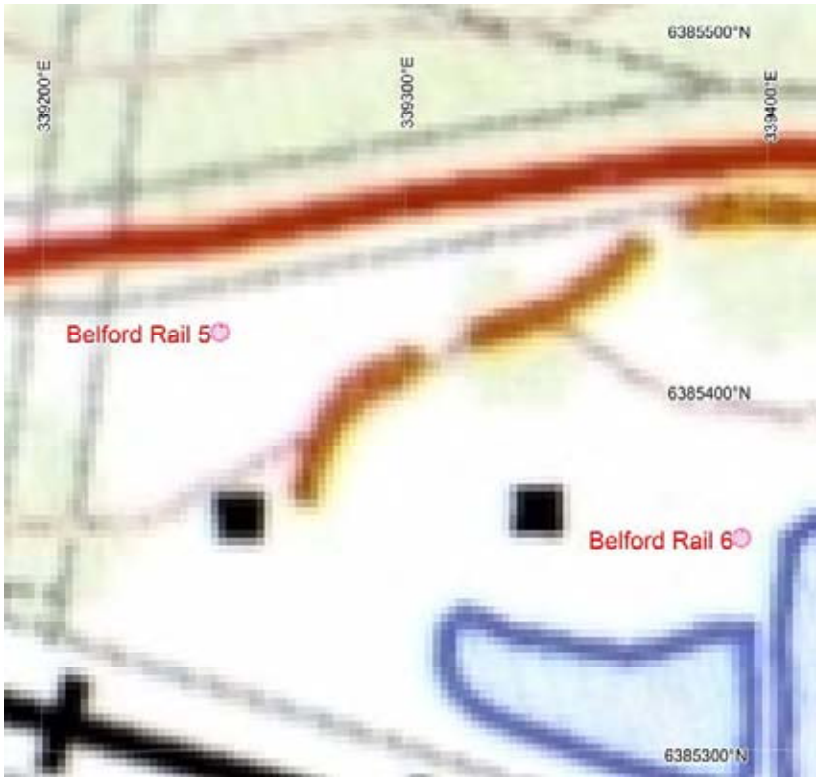
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
120	90	1	1	1	80	80	0.8	1	1.250	possible

Additional Comments:

- Large exposures behind house;
- Shed and light machinery within boundary;
- Sandy soil;
- Regrowth Eucalypts to the north;
- Artefact is a cream silcrete flake.

Site Location: Belford Rail 5 (Greta topographic map underlay)



Photograph: Belford Rail 5

SITE NAME: BELFORD RAIL 6

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	70	60	0.6	1	1.667	possible

Additional Comments:

- Exposures within residential property;
- Silty, gravel including silcrete, tuff, quartz, quartzite;
- Heat fracture and large machinery damage;
- Introduced species and Eucalypt stands;
- Artefact is a yellow tuff flake.

Site Location: Belford Rail 6

Photograph: Belford Rail 6

SITE NAME: BELFORD RAIL 7

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Moderate*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
40	40	1	1	1	70	30	0.3	1	3.333	possible

Additional Comments:

- Located in an exposure between two dams;
- May have been impacted by dam construction, although extent of disturbance is unclear;
- Artefact is a pink silcrete single platform core.

Site Location: Belford Rail 7

Photograph: Belford Rail 7

SITE NAME: BELFORD RAIL 8

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*16/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	10	1	1	1	5	2	0.02	1	50.000	unlikely

Additional Comments:

- Light vehicle track located <1m to the east;
- Grass around artefact;
- Artefact is a cream tuff proximal flake portion.

Site Location: Belford Rail 8

Photograph: Belford Rail 8 general locality (artefact - inset)

SITE NAME: BELFORD RAIL 9

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*16/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	10	5	0.1	1	20.000	unlikely

Additional Comments:

- Surrounding area extensively cleared;
- 100m to the southwest of a new shed and 25m northeast of the rail corridor;
- Grass and herbs;
- Artefact is a red silcrete core.

Site Location: Belford Rail 9

Photograph: Belford Rail 9 general locality (artefact - inset)

SITE NAME: BELFORD RAIL 10

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*14/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
5	2	1	1	1	15	15	0.2	1	6.667	possible

Additional Comments:

- Road base and gravel surface adjacent;
- 25-30m from rail, adjacent to rail reserve;
- Dry sclerophyll forest;
- Artefact is an orange tuff flake.

Site Location: Belford Rail 10

Photograph: Belford Rail 10 (artefact - inset)

SITE NAME: BELFORD RAIL 11

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	50	50	0.5	1	2.000	possible

Additional Comments:

- Small track along the side of the rail;
- Regrowth scrub to the south;
- Rail 20m to the north.
- Site comprises an isolated artefact, a yellow tuff flake.

Site Location: Belford Rail 11

Photograph: Belford Rail 11

SITE NAME: BELFORD RAIL 12

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Low*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	80	70	0.7	1	1.429	probable

Additional Comments:

- Artefact is located close to small drainage;
- Slope runs north/south to rail line;
- Grass, eucalypt scrub, casuarina at creek;
- Site comprises an isolated orange/red tuff flake.

Site Location: Belford Rail 12

Photograph: Belford Rail 12

SITE NAME: BELFORD RAIL 13

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*18/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Low*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
3	1	1	1	1	80	70	0.7	10	14.286	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	lithic fragment	**Total**
silcrete	9		**9**
tuff		1	**1**
Total	**9**	**1**	**10**

Additional Comments:

- Area to the west has been cleared for grazing, regrowth she-oak.

Site Location: Belford Rail 13

Photograph: Belford Rail 13 (artefacts - inset)

SITE NAME: BELFORD RAIL 14

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Low - moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	30	5	150	90	90	135	5	0.037	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	flake	flake - proximal	lithic fragment	**Total**
silcrete	1			**1**
tuff	1	2	1	**4**
Total	**2**	**2**	**1**	**5**

Additional Comments:

- Creek bank;
- Some exposures;
- Sandy, silty with gravel; silcrete, quartz, quartzite, mudstone, ironstone;
- Cattle tracks;
- Grass and Eucalypt scrub;
- Dense leaf litter.

Site Location: Belford Rail 14

Photograph: Belford Rail 14 (artefacts - inset)

SITE NAME: BELFORD RAIL 15

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Spur crest*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
30	10	8	3	24	100	90	22	7	0.324	unlikely

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	flake - proximal	**Total**
silcrete	6	1	**7**
Total	**6**	**1**	**7**

Additional Comments:

- Site is located on bedrock rise on spur crest;
- Eucalypt stand to west;
- Low grass;
- Igneous gravel, silcrete, quartz;
- No potential for stratified deposit directly under artefacts.

Site Location: Belford Rail 15

Photograph: Belford Rail 15 (artefacts - inset)

SITE NAME: BRANXTON RAIL GRINDING GROOVE 1

Site Type:	*Grinding Grooves*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass,*
Slope:	*Gentle*		*Regrowth forest*
Distance to Water:	*<50*		

Extent of Exposed Rock:	*3 x 1m*
Extent of Grooves:	*<1 x 1m*
Rock Type:	*Sandstone*
Rock Form:	*Open surface*
Surface Condition:	*Weathered, accretions*
Disturbance:	*Low*
Type of Disturbance:	*Recent human impacts*

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	180	53	22	small groove

Additional Comments:

- Minor pebble inclusions in sandstone;
- Concrete slab nearby may be covering bedrock which may yield further grooves;
- Creek examined for up to 100 metres from groove with no further evidence visible.

Site Location: Branxton Rail Grinding Groove 1

Photograph: Branxton Rail Grinding Groove 1 (inset - groove)

SITE NAME: BRANXTON RAIL 1

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop,*
Slope:	*Gentle*		*Regrowth forest*
Distance to Water:	*<50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	15	10	150	40	40	60	4	0.067	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	core	flake	flake - proximal	**Total**
sedimentary	1			**1**
tuff	1	1	1	**3**
Total	**2**	**1**	**1**	**4**

Additional Comments:

- Creek line which converges near rail;
- Some exposures within drainage;
- Grass and casuarinas, scattered Eucalypts.

Site Location: Branxton Rail 1

Photograph: Branxton Rail 1 (artefact - inset)

SITE NAME: BRANXTON RAIL 2

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20	10	12	3	36	70	60	21.6	5	0.231	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	lithic fragment	**Total**
silcrete	2		**2**
tuff	2	1	**3**
Total	**4**	**1**	**5**

Additional Comments:

- Surface exposures near fence line into corridor;
- Nearby drainage peters out here and rises up to fence/rail line;
- Silty, gravel;
- Grass and scattered Eucalypts.

Site Location: Branxton Rail 2

Photograph: Branxton Rail 2

SITE NAME: BRANXTON RAIL 3

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*21/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate - high*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	7	3	21	40	40	8.4	19	2.262	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type					
Stone Material	flake	flake - distal	flake - medial	flake - proximal	lithic fragment	**Total**
silcrete	3	1	3	2	2	**11**
tuff	5	1	1		1	**8**
Total	**8**	**2**	**4**	**2**	**3**	**19**

Additional Comments:

- Site is within rail corridor, approximately 10m from rail line;
- In wash/edge of drainage culvert;
- Silty clay with gravel;
- Adjacent grassy areas lower disturbance.

Site Location: Branxton Rail 3

Photograph: Branxton Rail 3

SITE NAME: BRANXTON RAIL 4

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	10	40	5	200	80	40	80	3	0.038	possible

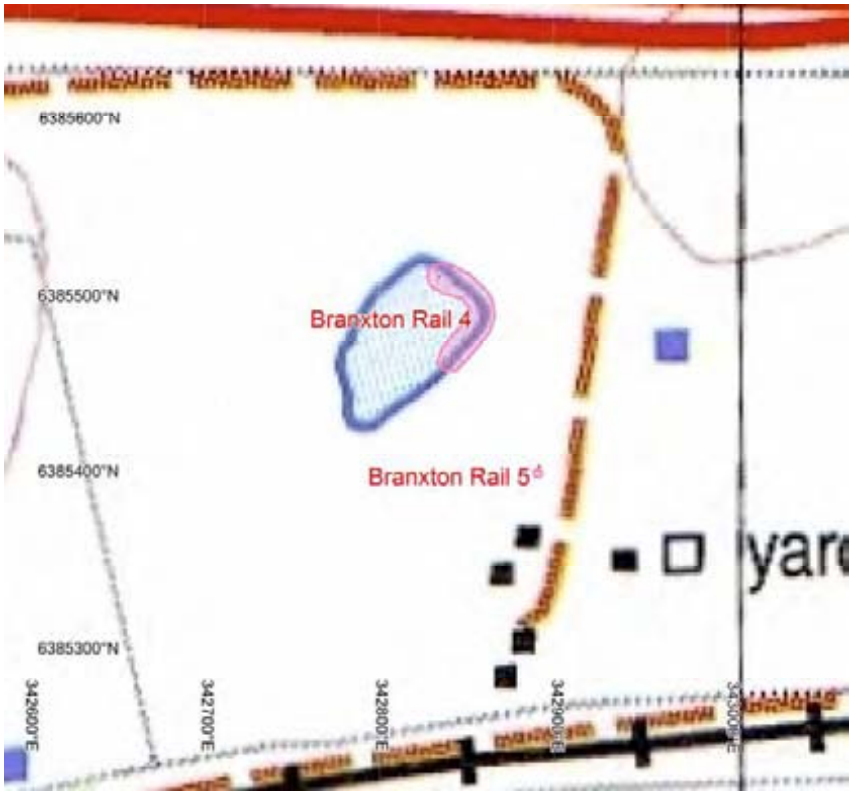
Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	flake	flake - medial	flake - proximal	**Total**
silcrete	1	1		**2**
tuff			1	**1**
Total	**1**	**1**	**1**	**3**

Additional Comments:

- Artefacts located on dam wall, built up from excavated clay;
- Dense ground cover to the north.

Site Location: Branxton Rail 4 (Greta topographic map underlay)



Photograph: Branxton Rail 4

SITE NAME: BRANXTON RAIL 5

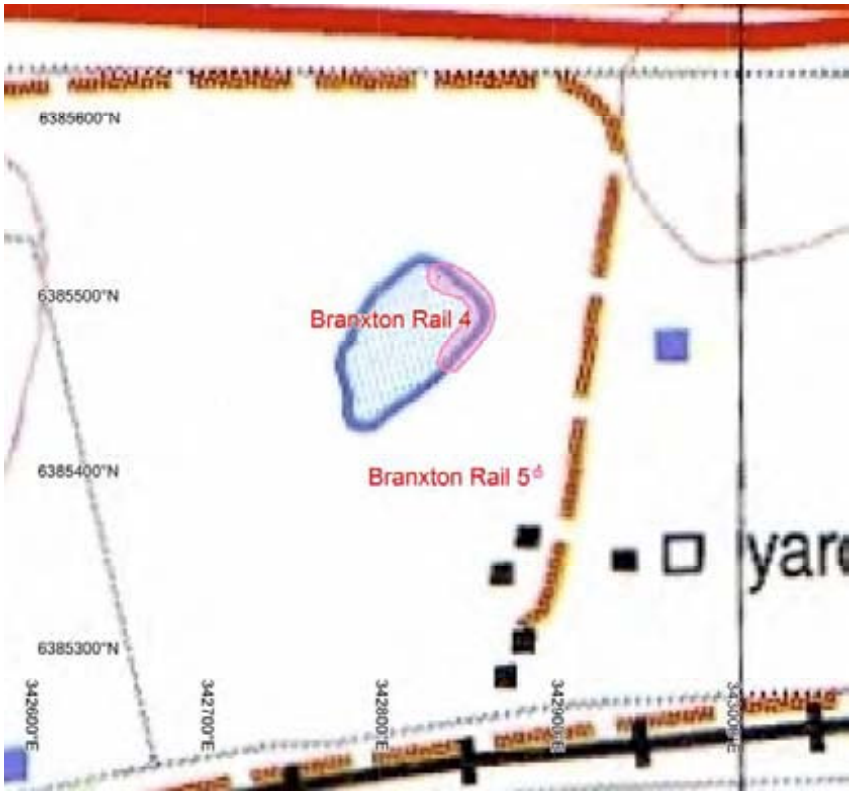
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
3	1	1	1	1	10	5	0.05	1	20.000	possible

Additional Comments:

- Site is located within a horse paddock, within proximity of house;
- Grassy;
- Artefact is a red/cream silcrete flake.

Site Location: Branxton Rail 5 (Greta topographic map underlay)



Photograph: Branxton Rail 5 (artefact - inset)

SITE NAME: BRANXTON RAIL 6

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Moderate*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
50	10	1	1	1	30	10	0.1	1	10.000	unlikely

Additional Comments:

- Due to dam wall construction the artefact is not *in situ*, but deposits could be present in adjacent grassy areas;
- Artefact is a yellow tuff single platform core.

Site Location: Branxton Rail 6

Photograph: Branxton Rail 6

SITE NAME: BRANXTON RAIL 7

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*01/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Moderate*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100+	5	10	2	20	60	50	10	1	0.100	probable

Additional Comments:

- Dam wall, south side;
- Exposures amongst dry grass and scattered Eucalypts;
- Sandy silty soil with gravel;
- Artefact is an orange tuff flake.

Site Location: Branxton Rail 7

Photograph: Branxton Rail 7 (artefact - inset)

SITE NAME: BRANXTON RAIL 8

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	80	40	0.4	1	2.500	possible

Additional Comments:

- Dense grass and Eucalypt regrowth to south and north of track;
- Located on light vehicle access track;
- Artefact is a red silcrete flake.

Site Location: Branxton Rail 8

Photograph: Branxton Rail 8

SITE NAME: BRANXTON RAIL 9

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*15/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Spur crest*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	12	2	24	60	50	12	2	0.167	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core fragment	flake	**Total**
ironstone	1		**1**
silcrete		1	**1**
Total	**1**	**1**	**2**

Additional Comments:

- Ironstone, silcrete, quartz gravel;
- Dry schlerophyll scrub with dense leaf litter;
- Grass limits surface visibility;
- Site is directly adjacent to fence line and approximately 80-100m north of substation.

Site Location: Branxton Rail 9 (Greta topographic map underlay)

Photograph: Branxton Rail 9

SITE NAME: BRANXTON RAIL 10

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	40	35	0.4	1	2.857	possible

Additional Comments:

- Site comprises one isolated artefact located on old overgrown light vehicle track for power easement;
- Site is approximately 30m from disused rail line;
- Gravel track;
- Dry schlerophyll scrub with dense leaf litter, juvenile shrubs and grass;
- Artefact is a red silcrete core fragment.

Site Location: Branxton Rail 10

Photograph: Branxton Rail 10 (artefact - inset)

SITE NAME: BRANXTON RAIL 11

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	60	20	0.2	1	5.000	possible

Additional Comments:

- Dense grass and Eucalypt regrowth to south;
- Located on light vehicle access track in power easement;
- Single yellow tuff flake.

Site Location: Branxton Rail 11

Photograph: Branxton Rail 11

SITE NAME: BRANXTON RAIL 12

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	3	1	1	1	80	40	0.4	1	2.500	possible

Additional Comments:

- Dense grass and Eucalypt regrowth to south;
- Located on light vehicle access track in power easement;
- Single yellow silcrete medial flake portion.

Site Location: Branxton Rail 12

Photograph: Branxton Rail 12

SITE NAME: BRANXTON RAIL 13

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*>50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	30	20	0.2	1	5.000	possible

Additional Comments:

- Residential lawn,dry grass, some visibility;
- Eucalypt scrub elsewhere, introduced species;
- Single grey silcrete proximal flake portion.

Site Location: Branxton Rail 13

Photograph: Branxton Rail 13 (artefact - inset)

SITE NAME: BRANXTON RAIL 14

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*30/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Spur crest*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
500	2	1	1	1	60	20	0.2	1	5.000	possible

Additional Comments:

- Located on track;
- Dense Eucalypt regrowth and grass;
- Artefact is a single orange tuff retouched flake.

Site Location: Branxton Rail 14

Photograph: Branxton Rail 14 (artefact - inset)

SITE NAME: BRANXTON RAIL 15

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop,*
Slope:	*Gentle*		*Regrowth forest*
Distance to Water:	*<50*	Ground Disturbance:	*Low - moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20+	5	20	5	100	30	20	20	11	0.550	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type					
Stone Material	core	core fragment	flake	flake - distal	flake - proximal	**Total**
silcrete	1	2	3	1	1	**8**
tuff		1	1		1	**3**
Total	**1**	**3**	**4**	**1**	**2**	**11**

Additional Comments:

- Located on old vehicle track directly adjacent to rail access corridor;
- Artefacts continue through fence line to east into adjoining paddock;
- Very low visibility elsewhere;
- Probably more artefacts currently not visible;
- Dense leaf litter and grass, Eucalypts.

Site Location: Branxton Rail 15

Photograph: Branxton Rail 15 (artefact - inset)

SITE NAME: BRANXTON RAIL 16

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
150+	2	1	1	1	80	60	0.6	1	1.667	possible

Additional Comments:

- Located on northern edge of a fine gravel vehicle track, c20m north of rail corridor;
- Acacia and Eucalypts with a grass understorey to the north;
- Grass and rail to the south;
- Artefact is an orange tuff multiple platform core.

Site Location: Branxton Rail 16

Photograph: Branxton Rail 16 (artefact - inset)

SITE NAME: GRETA RAIL 1

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	1	1	1	1	60	60	0.6	1	1.667	possible

Additional Comments:

- 25m to the east of Anvil Creek;
- Dense Eucalypts and grass cover;
- Adjacent to rail reserve fence;
- Artefact is a red tuff flake.

Site Location: Greta Rail 1

Photograph: Greta Rail 1

SITE NAME: GRETA RAIL 2

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Moderate*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate - high*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
200	5	1	1	1	90	20	0.2	1	5.000	possible

Additional Comments:

- Gravel vehicle track to access power easement;
- Dry schlerophyll scrub surrounding with casuarina stands;
- Dense grass;
- Marginally outside of study area;
- Artefact is a red silcrete medial flake portion.

Site Location: Greta Rail 2

Photograph: Greta Rail 2 (artefact - inset)

SITE NAME: GRETA RAIL 3

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*02/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
2	2	1	1	1	30	10	0.1	2	20.000	possible

Additional Comments:

- Dense grass;
- Two artefacts, a yellow tuff single platform core and a yellow tuff flake.

Site Location: Greta Rail 3

Photograph: Greta Rail 3

SITE NAME: GRETA RAIL 4

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*02/10/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate - high*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	80	20	2	40	90	90	36	16	0.444	possible

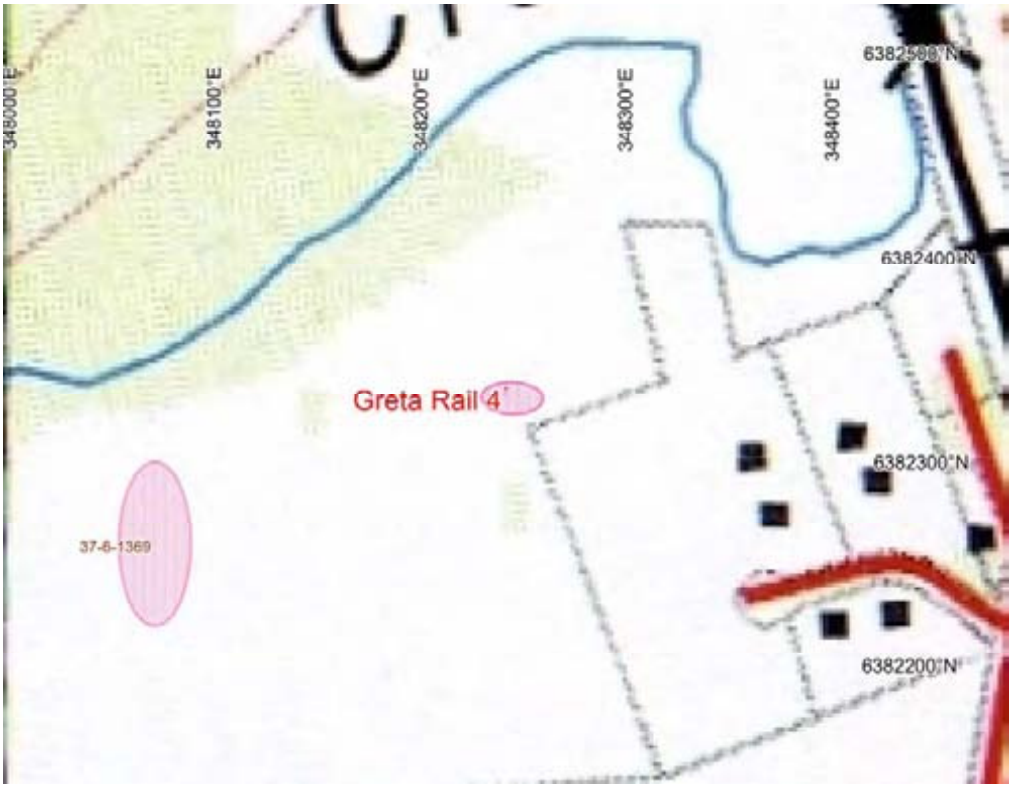
Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	core	flake	flake - distal	**Total**
silcrete	4	2	1	**7**
tuff	2	6	1	**9**
Total	**6**	**8**	**2**	**16**

Additional Comments:

- Surface scraped/cleared exposure;
- Eucalypts on edges of exposure;
- Potential for further artefacts.

Site Location: Greta Rail 4 (Greta topographic map underlay)



Photograph: Greta Rail 4

SITE NAME: GRETA RAIL 5

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*28/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Johan Kamminga*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Level - very gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	20	1	1	1	90	1	0.01	1	100.00	unlikely

Additional Comments:

- Modern land surface;
- Rail build-up;
- Surrounding area is almost totally modified;
- Casuarina nearby;
- Artefact is a yellow tuff flake.

Site Location: Greta Rail 5

Photograph: Greta Rail 5 (artefact - inset)

SITE NAME: GRETA RAIL 6

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
2	1	1	1	1	70	60	0.6	1	1.667	possible

Additional Comments:

- Isolated artefact found within erosion scour in clearing;
- Grassy paddock with sheds and residential dwellings;
- Scattered trees;
- Isolated artefact, a yellow tuff flake.

Site Location: Greta Rail 6

Photograph: Greta Rail 6 (artefact - inset)

SITE NAME: GRETA RAIL 7

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Low*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	65	10	650	10	2	13	16	1.231	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	core	flake	lithic fragment	**Total**
silcrete	1	10	3	**14**
tuff		2		**2**
Total	**1**	**12**	**3**	**16**

Additional Comments:

- Located in small exposure among dense vegetation near Anvil Creek;
- Dense vegetation and trees.

Site Location: Greta Rail 7

Photograph: Greta Rail 7

SITE NAME: GRETA RAIL 8

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Spur crest*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	5	6	5	30	30	10	3	13	4.333	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type							
Stone Material	bondi point	core fragment	flake	flake - distal	flake - medial	flake - proximal	lithic fragment	**Total**
silcrete	1	1	1	1		2	2	**8**
tuff			2	1	1	1		**5**
Total	**1**	**1**	**3**	**2**	**1**	**3**	**2**	**13**

Additional Comments:

- Site is located above two drainage lines on a small discrete spur;
- She-oak and dense grass.

Site Location: Greta Rail 8

Photograph: Greta Rail 8

SITE NAME: GRETA RAIL 9

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Level - very gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Low - moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
2	1	2	1	2	20	10	0.2	4	20.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	2	**2**
tuff	2	**2**
Total	**4**	**4**

Additional Comments:

- Located near drainage system;
- She-oaks to north;
- Grassed area directly adjacent.

Site Location: Greta Rail 9

Photograph: Greta Rail 9

SITE NAME: GRETA RAIL 10

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	40	20	0.2	2	10.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	1	**1**
tuff	1	**1**
Total	**2**	**2**

Additional Comments:

- Located on light vehicle access track;
- Dense grass surrounds site.

Site Location: Greta Rail 10

Photograph: Greta Rail 10

SITE NAME: GRETA RAIL 11

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	3	1	1	1	40	20	0.2	1	5.000	possible

Additional Comments:

- Located on light vehicle access track with dense grass nearby;
- Artefact is a pink silcrete flake.

Site Location: Greta Rail 11

Photograph: Greta Rail 11

SITE NAME: GRETA RAIL 12

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	35	5	175	40	20	35	6	0.171	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core	flake	**Total**
quartzite	1		**1**
silcrete		1	**1**
tuff		4	**4**
Total	**1**	**5**	**6**

Additional Comments:

- Site located on a light vehicle access track approximately 40m southeast of rail shed and traffic lights;
- 10m west of Anvil Creek;
- 80m from rail box.

Site Location: Greta Rail 12

Photograph: Greta Rail 12

SITE NAME: GRETA RAIL 13

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	3	10	3	30	40	20	6	5	0.833	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type			
Stone Material	core	flake	lithic fragment	**Total**
silcrete		1		**1**
tuff	1		3	**4**
Total	**1**	**1**	**3**	**5**

Additional Comments:

- Located on a light vehicle access track;
- Dense vegetation surrounds site;
- Eucalypts to west.

Site Location: Greta Rail 13

Photograph: Greta Rail 13

SITE NAME: GRETA RAIL 14

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	3	1	1	1	40	20	0.2	3	15.000	possible

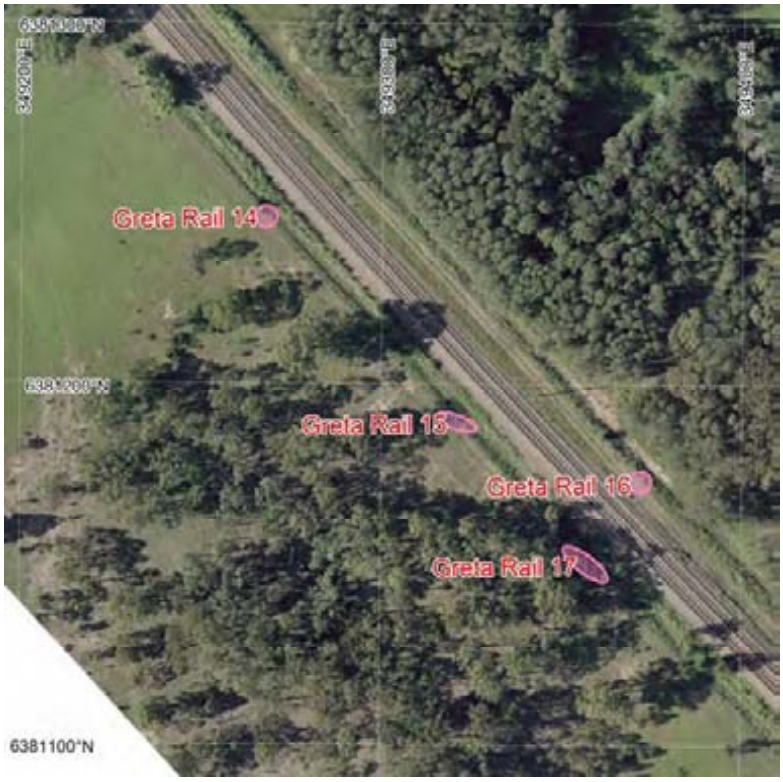
Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
tuff	3	**3**
Total	**3**	**3**

Additional Comments:

- Located on a light vehicle access track;
- Dense grass cover and Eucalypts nearby.

Site Location: Greta Rail 14



Photograph: Greta Rail 14

SITE NAME: GRETA RAIL 15

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	3	10	3	30	40	20	6	3	0.500	possible

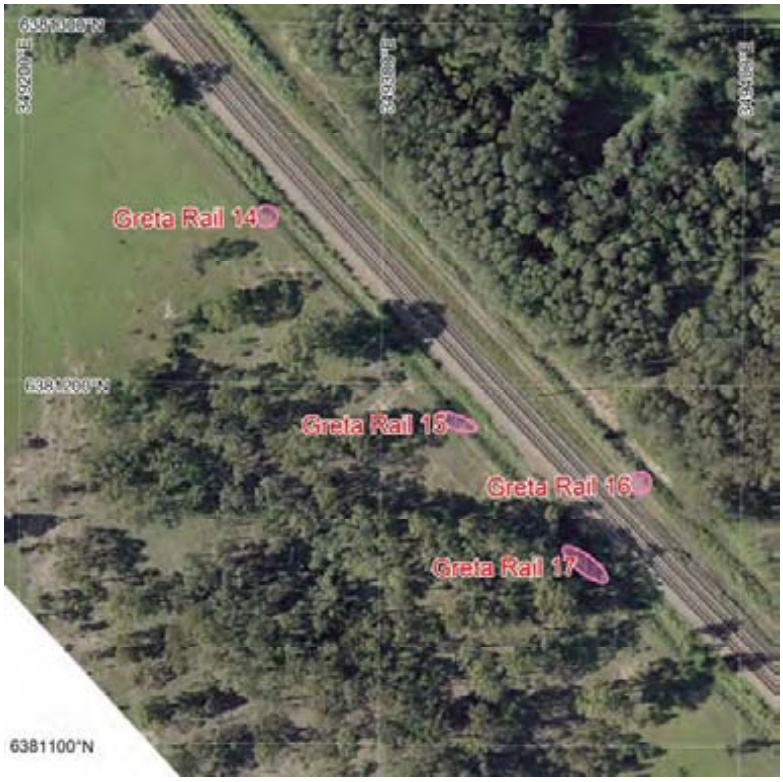
Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	1	**1**
tuff	2	**2**
Total	**3**	**3**

Additional Comments:

- Located on a light vehicle access track and on ant nest exposure;
- Dense grass cover and Eucalypts nearby.

Site Location: Greta Rail 15



Photograph: Greta Rail 15

SITE NAME: GRETA RAIL 16

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*29/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*>50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	1	1	1	1	15	10	0.1	2	20.000	possible

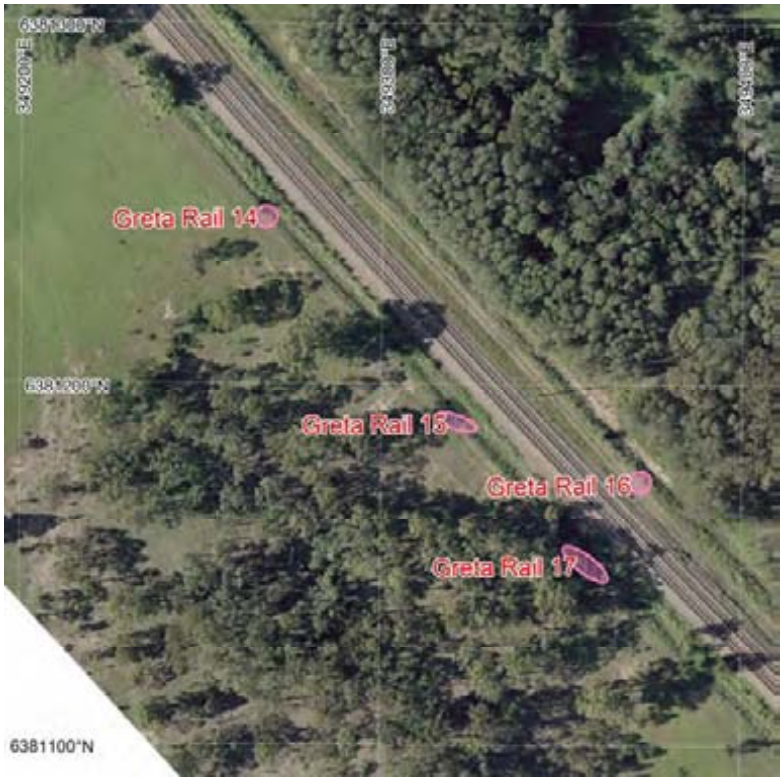
Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake - distal	flake - proximal	**Total**
tuff	1	1	**2**
Total	**1**	**1**	**2**

Additional Comments:

- Dense vegetation;
- She-oak forest and grass around site;
- Adjacent to rail fence.

Site Location: Greta Rail 16



Photograph: Greta Rail 16

SITE NAME: GRETA RAIL 17

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
400	3	14	3	42	50	30	12.6	6	0.476	possible

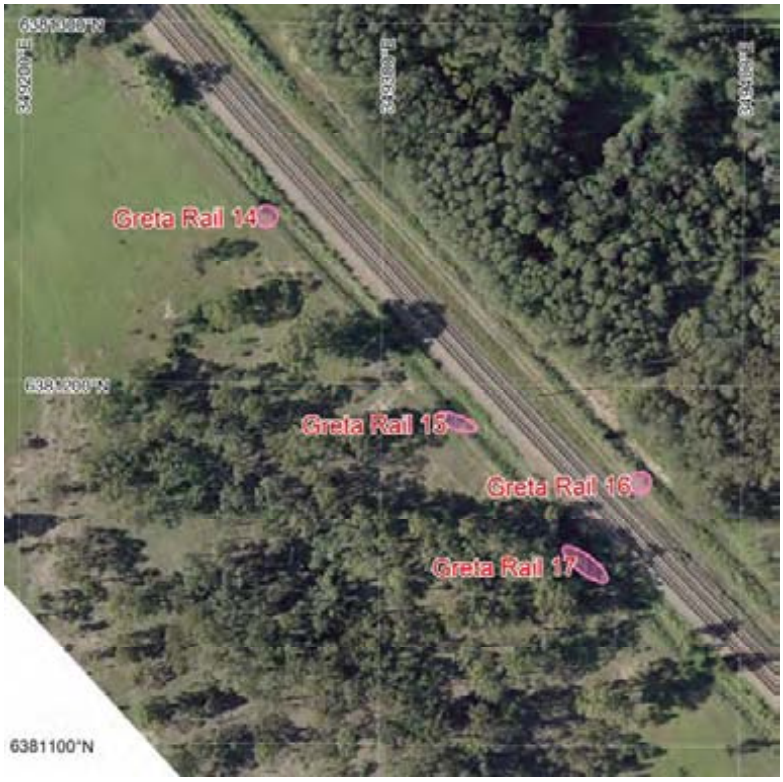
Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core	flake	**Total**
silcrete		3	**3**
tuff	1	2	**3**
Total	**1**	**5**	**6**

Additional Comments:

- Site located along southeast edge of light vehicle access track;
- Moderately dense grass cover to south and Eucalypts >10m distant.

Site Location: Greta Rail 17



Photograph: Greta Rail 17

SITE NAME: GRETA RAIL 18

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*28/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Drainage depression*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
100	2	1	1	1	20	10	0.1	2	20.000	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	2	**2**
Total	**2**	**2**

Additional Comments:

- Located along a vehicle access track;
- She-oak and lantana along track to south of site.

Site Location: Greta Rail 18

Photograph: Greta Rail 18

SITE NAME: GRETA RAIL 19

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Flat*	Vegetation:	*Regrowth forest*
Slope:	*Level - very gentle*	Ground Disturbance:	*Low*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	20	10	0.1	1	10.000	possible

Additional Comments:

- Concrete pipe evident under ants mound where artefact is located;
- On edge of she-oak community bordering grass paddock;
- Artefact is a red/brown tuff flake – longitudinal portion.

Site Location: Greta Rail 19

Photograph: Greta Rail 19 (artefact - inset)

SITE NAME: LOCHINVAR RAIL 1

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*25/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	4	6	2	12	50	40	4.8	2	0.417	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	flake - distal	**Total**
tuff	1	1	**2**
Total	**1**	**1**	**2**

Additional Comments:

- Located on a slight rise within drainage depression;
- Artefacts on west bank of drainage;
- Dense grass limits surrounding visibility;
- Some living Eucalypt trees nearby and also tree stumps.

Site Location: Lochinvar Rail 1 (Greta topographic map underlay)

Photograph: Lochinvar Rail 1 (artefact - inset)

SITE NAME: LOCHINVAR RAIL 2

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	30	2	60	20	15	9	2	0.222	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type	
Stone Material	flake	**Total**
silcrete	2	**2**
Total	**2**	**2**

Additional Comments:

- Artefacts c.30 metres apart;
- Dam nearby;
- Silty soil;
- Shed and housing infrastructure nearby;
- Grassy paddock.

Site Location: Lochinvar Rail 2

Photograph: Lochinvar Rail 2 (artefact - inset)

SITE NAME: LOCHINVAR RAIL 3

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
1	1	1	1	1	30	20	0.2	2	10.000	probable

Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	flake	flake - distal	**Total**
silcrete		1	**1**
tuff	1		**1**
Total	**1**	**1**	**2**

Additional Comments:

- Silty clay;
- Grass, reeds and seasonal flowers;
- 10m to fence and 15m to rail corridor.

Site Location: Lochinvar Rail 3

Photograph: Lochinvar Rail 3 (artefact - inset)

SITE NAME: LOCHINVAR RAIL 4

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*24/09/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate - high*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
200+	5	1	1	1	90	20	0.2	1	5.000	unlikely

Additional Comments:

- Artefact located on ballast track in rail corridor;
- Grassy verges;
- Very limited potential;
- Artefact is a red silcrete lithic fragment.

Site Location: Lochinvar Rail 4

Photograph: Lochinvar Rail 4 (artefact - inset)

SITE NAME: RUTHERFORD RAIL 1

Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*22/09/2009*	Topographic Map:	*Maitland 9232 -4S*
Recorder:	*Georgia Stannard*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop, Regrowth forest*
Slope:	*Gentle*		
Distance to Water:	*<50*	Ground Disturbance:	*Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	2	1	1	1	10	10	0.1	1	10.000	unlikely

Additional Comments:

- Site is located in the middle of a light vehicle access track within a park;
- Artefact lies within 25m of Stony Creek;
- Artefact is a yellow silcrete flake.

Site Location: Rutherford Rail 1

Photograph: Rutherford Rail 1 (artefact - inset)

SITE NAME: RUTHERFORD RAIL 2

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*25/09/2009*	Topographic Map:	*Maitland 9232 -4S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Ridge crest*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	120	30	3600	20	20	720	192	0.267	possible

Summary of Artefact Types and Stone Materials:

	Lithic Item Type																
Stone Material	bondi point	bondi point - preform	bondi point - tip	core	core fragment	flake	flake - distal	flake - longitudinal	flake - medial	flake - proximal	lithic fragment	retouched flake	retouched flake - medial	retouched flake - proximal	retouched utilised flake	utilised flake	**Total**
breccia						2									1		**3**
chalcedony						1			1								**2**
chert				1		8	1		2	2	3	2					**19**
ironstone										1							**1**
sedimentary						3			1								**4**
silcrete		1		2	3	42	14	1	10	27	6	1	1	2		1	**111**
tuff	1	1	2	1	2	24	3	1	7	7	2	1					**52**
Total	**1**	**2**	**2**	**4**	**5**	**80**	**18**	**2**	**21**	**37**	**11**	**4**	**1**	**2**	**1**	**1**	**192**

Additional Comments:

- Located in a broad trench (20x60m) excavated above Stony Creek;
- 10m south of rail line;
- Site extends beyond the study area;
- Extensive glass and ceramic present.

Site Location: Rutherford Rail 2

Photograph: Rutherford Rail 2 (artefacts - inset)

SITE NAME: RUTHERFORD RAIL 3

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*25/09/2009*	Topographic Map:	*Maitland 9232 -4S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Low - moderate*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20	1	1	1	1	90	50	0.5	9	18.000	unlikely

Summary of Artefact Types and Stone Materials:

	Lithic Item Type					
Stone Material	core fragment	flake	flake - medial	flake - proximal	lithic fragment	**Total**
tuff	1	2	2	3	1	**9**
Total	**1**	**2**	**2**	**3**	**1**	**9**

Additional Comments:

- Artefacts located on top of sandstone bedrock outcrop;
- Stratified deposit unlikely directly at locus, but high potential in adjacent areas;
- Ploughing evident;
- Extensive glass.

Site Location: Rutherford Rail 3

Photograph: Rutherford Rail 3 (artefacts - inset)

SITE NAME: STATION LANE 1

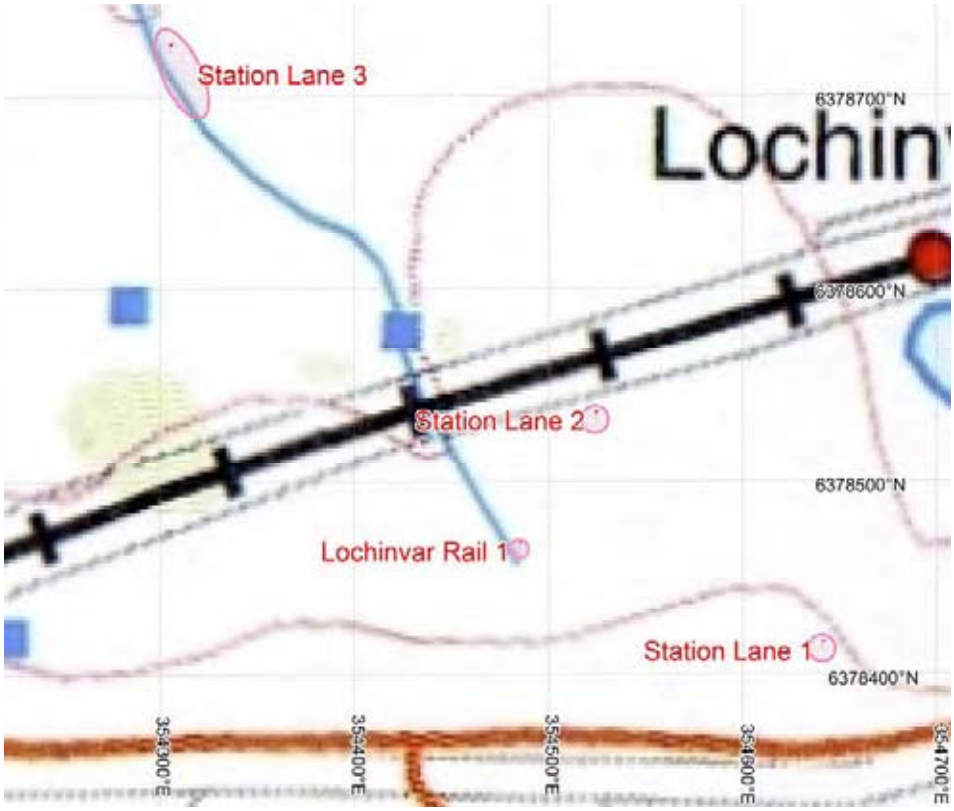
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*25/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*Moderate - high*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
10	5	1	1	1	60	50	0.5	1	2.000	possible

Additional Comments:

- Available materials include silcrete, tuff and quartz;
- Erosion scours around tree stand caused by cattle, pastoral use;
- Vegetation includes small shrubs, grass, scattered larger trees;
- Site is located just south of a tree stand approximately 40 metres north of Old North Road;
- Artefact is a red tuff single platform core.

Site Location: Station Lane 1 (Greta topographic map underlay)



Photograph: Station Lane 1 (artefact - inset)

SITE NAME: STATION LANE 2

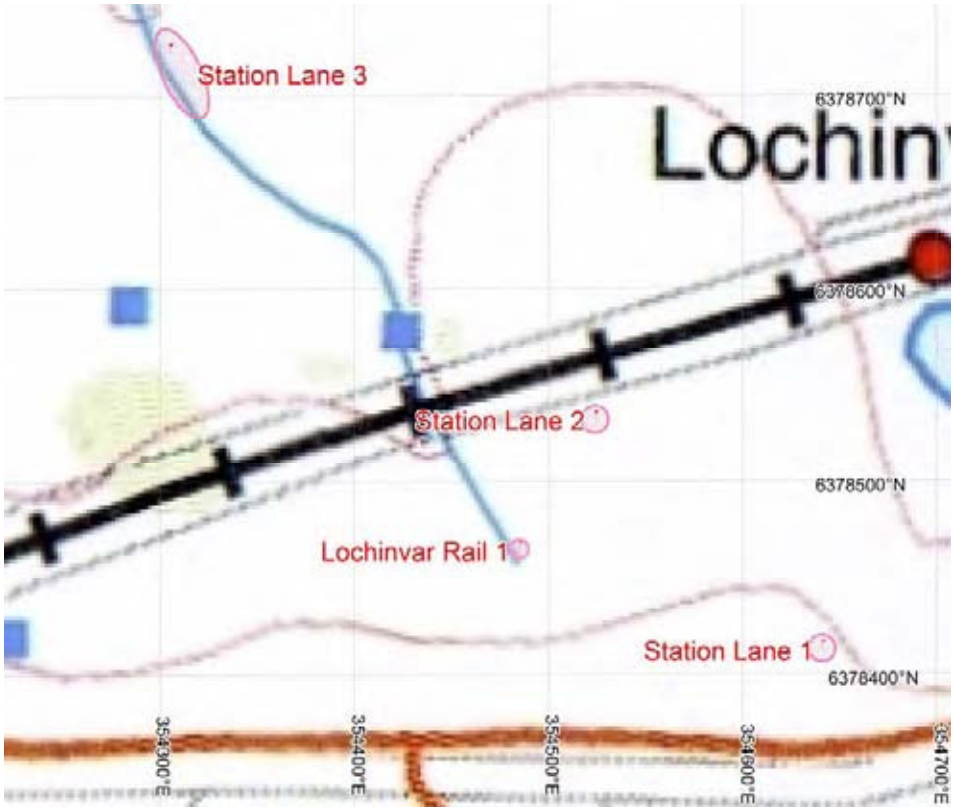
Site Type:	*Isolated artefact*	MGA Grid Reference:	
Date Recorded:	*25/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Caroline Ingram*		
Landform Element:	*Simple slope*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
20	2	1	1	1	30	20	0.2	1	5.000	possible

Additional Comments:

- Site is located on old vehicle/cattle track, pastoral clearing;
- Some exposures in nearby area;
- Available materials include silcrete, tuff and quartz in locality;
- Grassy paddock with scattered Eucalypt trees;
- Artefact is a pink silcrete proximal flake portion.

Site Location: Station Lane 2 (Greta topographic map underlay)



Photograph: Station Lane 2

SITE NAME: STATION LANE 3

Site Type:	*Artefact scatter*	MGA Grid Reference:	
Date Recorded:	*24/08/2009*	Topographic Map:	*Greta 9132-1S*
Recorder:	*Johan Kamminga*		
Landform Element:	*Drainage depression*	Vegetation:	*Cleared/grass/crop*
Slope:	*Gentle*	Ground Disturbance:	*High*
Distance to Water:	*<50*		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m^2)	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m^2)	# of Artefacts	# of Artefacts per m^2 of Effective Locus Area	Sub-Surface Deposit
varies	varies	20	2	40	30	30	12	2	0.167	possible

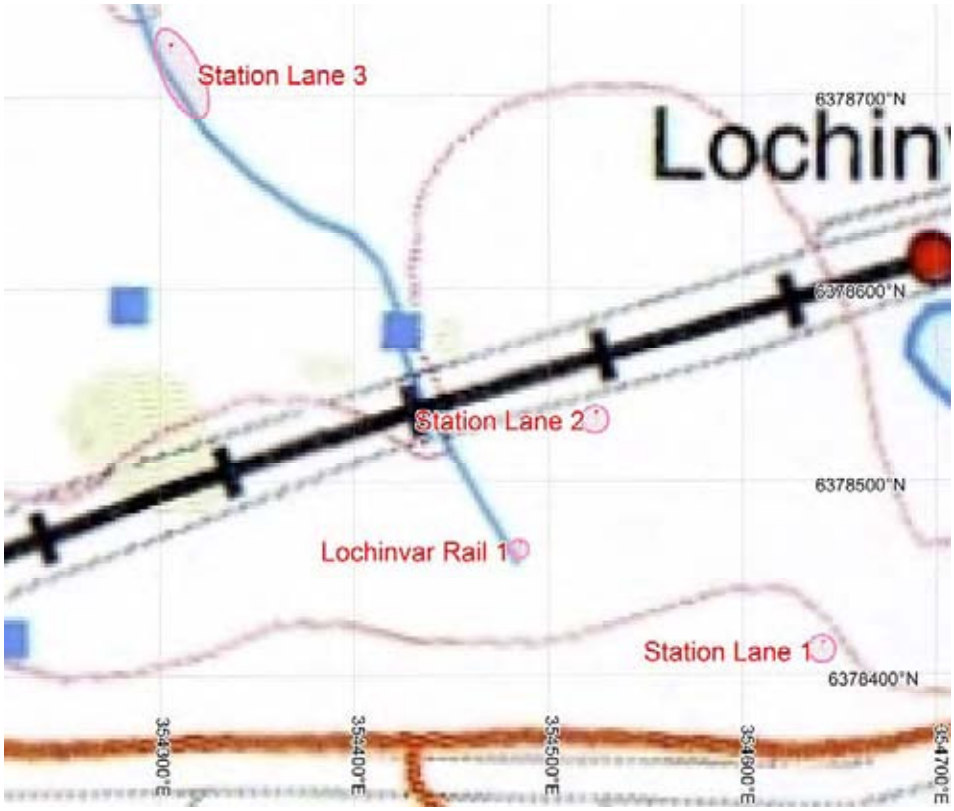
Summary of Artefact Types and Stone Materials:

	Lithic Item Type		
Stone Material	core fragment	flake - medial	**Total**
tuff	1	1	**2**
Total	**1**	**1**	**2**

Additional Comments:

- Located on eroding embankment of drainage depression;
- Pasture grass;
- Stone materials available include glacial drop-stones and locally eroding tuff.

Site Location: Station Lane 3 (Greta topographic map underlay)



Photograph: Station Lane 3 (artefacts - inset)

APPENDIX 4:

ABORIGINAL HERITAGE LITHIC ITEM DATABASE

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Allandale Rail 1	1	yellow	tuff	lithic fragment	1			8.9x6.8x3.7
Allandale Rail 1	2	yellow	tuff	lithic fragment	2			12.2x6.9x4.7
Allandale Rail 1	3	cream	tuff	flake - distal	2			12.1x8.9x2.8; 20m away from artefacts 1 & 2
Allandale Rail 1	4	cream/brown	tuff	flake - proximal	3			16.7x21.8x5; flat platform; 15m east of artefact #3
Allandale Rail 2	1	red	silcrete	flake	5			1 scar
Allandale Rail 2	2	orange	silcrete	flake	3			
Allandale Rail 3	1	cream	tuff	flake - distal	4	5	tab	35.3x39.9x15.4; flat platform
Allandale Rail 3	2	pink	silcrete	flake	3			30.1x20.8x10; focused
Allandale Rail 4	1	white/cream	silcrete	flake	2			
Allandale Rail 4	2	orange	silcrete	flake	4			
Allandale Rail 4	3	red	silcrete	flake	4			
Allandale Rail 5	1	yellow/cream	silcrete	flake	4	30	peb	37.8x23.5x6.8; flat platform; 1 scar
Allandale Rail 5	2	brown	tuff	flake	3			20.9x20.1x4; focal; feather termination
Allandale Rail 5	3	cream	tuff	flake - medial	4			18.2x36.2x8.6; concentric rings visible
Allandale Rail 5	4	red	silcrete	flake	3			28.3x13.2x6.8x1; broad; feather termination
Allandale Rail 6	1	red	silcrete	flake	3	20	tab	16.9x16.5x8.1x1; flat platform; step termination
Allandale Rail 7	1	cream	tuff	flake - medial	3			19.9x13.2x5.5
Allandale Rail 7	2	orange/brown	tuff	flake	5	30	tab	36.6x37.3x15.8; focal; 1 scar
Allandale Rail 8	1	yellow	tuff	flake	3			
Allandale Rail 8	2	pink	silcrete	flake	3			1 scar
Allandale Rail 8	3	pink	silcrete	flake	3			
Allandale Rail 8	4	grey/pink	silcrete	flake	4			
Allandale Rail 9	1	grey	silcrete	flake - longitudinal	3			24.4x14.4x4.3; flat platform 8x4.3; 1 scar
Allandale Rail 9	2	grey	silcrete	flake - longitudinal	4			36.2x24.8x11.9; flat platform 16.4x12.9; 1 scar
Allandale Rail 9	3	red	silcrete	flake - proximal	2			13.4x13.3x5; flat platform 8.5x14.6; 1 dorsal ridge
Allandale Rail 9	4	red	silcrete	lithic fragment	3			27x19x9.9
Allandale Rail 9	5	pink	silcrete	flake - proximal	2			7.5x10.5x3.7; dorsal ridge; flat platform 3.2x6.8
Allandale Rail 9	6	white	quartz	flake	3			21.8x18.5x5.1; flat platform 2.7x17.8; 3 scars
Allandale Rail 9	7	red	silcrete	lithic fragment	3			19.2x10.9x5.7
Allandale Rail 9	8	grey	sedimentary	flake	3	70	peb	28.5x6.6x12.3; focal; 2 scars
Allandale Rail 9	9	grey	silcrete	flake	7			26.4x43.7x54.4
Allandale Rail 9	10	orange	tuff	flake	3			19.2x23.1x10.2; flat platform 15.3x10.4; 1 scar
Allandale Rail 9	11	tan	tuff	flake	4			31.3x17.9x10.8; flat platform 9x16.4; 2 scars; coarse grained
Allandale Rail 9	12	red	tuff	flake	3	100	peb	22x23.5x10.2; focal 10.8x8.1
Allandale Rail 9	13	cream	tuff	flake - medial	3			20.8x23.1x10.7; dorsal ridge
Allandale Rail 9	14	tan	sedimentary	flake - distal	3			22x28x7.3
Allandale Rail 9	15	red	sedimentary	flake	6			44.4x59.5x20.1; 2 ventral scars; focal 32.1x15.2
Allandale Rail 9	16	red	silcrete	flake - proximal	3			19.5x23.3x6.4; flat platform 6.6x11.8
Allandale Rail 9	17	red	silcrete	flake - proximal	4			32.7x28.7x15.6; focal 4.6x10.8; 2 scars
Allandale Rail 9	18	red	silcrete	flake - longitudinal	4			30.2x19.9x7.3; focal 1x1; 1 scar
Allandale Rail 9	19	cream	tuff	lithic fragment	2			16x12x6.7
Allandale Rail 9	20	red	silcrete	flake	2			16.6x23.1x5.5
Allandale Rail 9	21	cream	tuff	flake	5	90	peb	36.8x22.6x7.9; overhang reduction
Allandale Rail 9	22	orange	tuff	flake - distal	2			13x10.2x0.4
Allandale Rail 9	23	cream	tuff	flake - medial	4			25.8x25.9x5.6
Allandale Rail 9	24	orange	tuff	flake - medial	4	100	peb	21.4x36.7x4.1
Allandale Rail 9	25	pink	silcrete	flake	2			6.7x12.9x3.5
Allandale Rail 9	26	grey	silcrete	lithic fragment	2			10.8x10.6x5.1

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Allandale Rail 9	27	cream	tuff	flake	4			20.8x21.4x5.7; flat platform 3.6x14
Allandale Rail 9	28	pink	silcrete	core fragment	7			17.5x17.1x61.7; 4 partial scars
Allandale Rail 9	29	yellow	silcrete	flake - medial	3	100	peb	12.6x22.2x3.7
Allandale Rail 9	30	red	silcrete	flake	2			5.7x9.2x1.4; flat platform 7.8x4.7
Allandale Rail 9	31	cream	tuff	lithic fragment	4			4.3x15.6x5
Allandale Rail 9	32	yellow	silcrete	flake	2			4.1x14.8x1; flat platform 13x12
Allandale Rail 9	33	red	silcrete	flake - medial	5			26.3x44.8x4.6
Allandale Rail 9	34	red	silcrete	flake - medial	4			33x14x3.6
Allandale Rail 9	35	red	silcrete	flake - proximal	3			15.5x14.7x0.8; focal 1x1
Allandale Rail 9	36	red	tuff	flake	4			30.6x15.1x7.7; focal 1x1
Allandale Rail 9	37	white	tuff	core fragment	3			16.3x17.1x6.3; 9 partial scars
Allandale Rail 9	38	red	tuff	flake	3			27.1x14.6x0.7; focal 1x1; dorsal ridge
Allandale Rail 9	39	orange	tuff	flake - proximal	4	100	peb	19x35.9x10.1
Allandale Rail 9	40	red	tuff	lithic fragment	4			31.4x21.6x15.1
Allandale Rail 9	41	orange	tuff	flake	4			33.7x17.9x11.9; flat platform
Allandale Rail 9	42	orange	tuff	retouched flake	5			36.5x30.5x14.9; flat platform 18.7x23.1
Allandale Rail 9	43	white	tuff	flake	4			18x27.7x24.7
Allandale Rail 9	44	cream	tuff	lithic fragment	3			20.5x16.3x11
Allandale Rail 9	45	pink/red	silcrete	flake - proximal	3			25.2x21.3x5.8; 2 bulbs; 2 scars
Allandale Rail 9	46	orange	tuff	flake	5			28.6x34.9x20.6; focal 1x1; 1 scar
Allandale Rail 9	47	orange	tuff	flake - distal	3			22.1x13.9x4.3; feather termination
Allandale Rail 9	48	orange	tuff	flake - proximal	4			27.6x19.4x9.1; focal 1x1; 1 scar
Allandale Rail 9	49	orange	tuff	flake - medial	3			19.6x15x10.3
Allandale Rail 9	50	orange	silcrete	flake - proximal	4	40	peb	22.9x26.7x11; flat platform 2.5x12
Allandale Rail 9	51	orange	tuff	lithic fragment	6			35.6x30.4x15.8
Allandale Rail 9	52	orange	tuff	flake	2			17.3x8.2x5.6; dorsal ridge
Allandale Rail 9	53	orange	tuff	flake	5			31x30.6x6.9; 1 scar
Allandale Rail 9	54	yellow	silcrete	lithic fragment	5			41.8x32.7x14.7
Allandale Rail 9	55	red	tuff	flake	4			26.9x36x14; flat platform 14.7x2
Allandale Rail 9	56	red	silcrete	flake - medial	4			25.7x19.7x9; 2 dorsal ridges
Allandale Rail 9	57	orange	tuff	lithic fragment	3			19.3x25.2x14.1
Allandale Rail 9	58	grey	chalcedony	flake - proximal	2			16.7x10.4x2; focal 1x1 1 scar
Allandale Rail 9	59	yellow	silcrete	flake	3			22.4x21.5x6.9; flat platform 7.5x15.8; 2 scars
Allandale Rail 9	60	red	tuff	core fragment	4			31.2x27.1x20.6; 7 scars
Allandale Rail 9	61	red	silcrete	flake - medial	3			17x23.6x6.3; dorsal ridge
Allandale Rail 9	62	orange	tuff	flake	5	80	peb	52.3x32.8x15.5; flat platform 8.3x11
Allandale Rail 9	63	cream	silcrete	flake - medial	3			19.7x22.1x6.8
Allandale Rail 9	64	red	tuff	flake	2			15x14.9x4.2; flat platform 4.4x12.5
Allandale Rail 9	65	orange/red	silcrete	flake - proximal	6	90	peb	35.7x42.5x23.6; flat platform 10.2x23.5
Allandale Rail 9	66	orange	tuff	flake	6			35.4x34.6x18.5; flat platform 7.5x20.2
Allandale Rail 9	67	orange/yellow	tuff	flake - medial	4			28.6x26.2x8
Allandale Rail 9	68	yellow	tuff	flake	8	30	tab	56x79x30; focal; feather termination
Allandale Rail 9	69	red	tuff	flake	4	20	tab	36x41x27; flat platform; feather termination; 1 scar
Allandale Rail 9	70	red	tuff	core	4	10	tab	9x48x38; 1 platform; 9 scars
Allandale Rail 9	71	yellow	silcrete	lithic fragment	1			25x20x10; focal; feather termination
Allandale Rail 9	72	pink/grey	silcrete	flake	4	50	tab	36x40x12; focal; feather termination
Allandale Rail 9	73	red	tuff	flake	3	20	tab	39x35x18; focal; feather termination
Allandale Rail 9	74	red	tuff	flake	2	50	tab	30x20x7; focal; feather termination
Allandale Rail 9	75	red	tuff	flake	2			30x20x6; flat platform; feather termination
Allandale Rail 9	76	Pink	silcrete	flake	5			62x36x28; focal; feather termination
Allandale Rail 9	77	red	silcrete	flake	2			28x19x3; flat platform; hinge termination
Allandale Rail 9	78	brown	tuff	retouched flake	3			32x33x19; flat platform; feather termination; retouch along 10mm of medial margin

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Allandale Rail 9	79	red	tuff	flake	3			26x32x6; flat platform; feather termination
Allandale Rail 10	1	red	silcrete	core	4			4 scars; 1 platform
Allandale Rail 11	1	orange	tuff	flake	2			1 scar
Allandale Rail 12	1	cream/red	tuff	flake	3			
Allandale Rail 13	1	pink	silcrete	flake	4			1 scar
Allandale Rail 14	1	cream	tuff	flake	3			
Allandale Rail 15	1	yellow	tuff	flake	3			28x16.2x4.9; focal 10.8x5.5; 3 scars
Allandale Rail 16	1	cream	tuff	retouched flake	4			retouch for 40mm along one margin
Allandale Rail 16	2	cream	tuff	flake	4			
Allandale Rail 16	3	brown	silcrete	flake	4			
Allandale Rail 17	1	pink	silcrete	flake	5			1 scar
Allandale Rail 18	1	yellow/grey	silcrete	core	6	10	peb	2 scars
Allandale Rail 18	2	yellow/red	silcrete	retouched flake	6			retouch for 34 mm
Allandale Rail 18	3	red	silcrete	flake	2			
Allandale Rail 18	4	red	silcrete	lithic fragment	2			
Allandale Rail 18	5	pink	silcrete	core	4			1 platform; 1 scar
Allandale Rail 18	6	yellow/cream	silcrete	lithic fragment	2			
Allandale Rail 18	7	red	silcrete	flake	1			
Allandale Rail 18	8	red	silcrete	flake	2			
Allandale Rail 18	9	grey	silcrete	flake - proximal	3			19x17x12; crushed <1x1; left margin removed through flaking; overhang reduction; 3 partial scars; 2 dorsal ridges
Allandale Rail 18	10	cream	tuff	flake - proximal	2			9x16x3; flat platform 4x10; 1 scar; 4m southeast of #1
Allandale Rail 18	11	cream	tuff	flake - medial	2			12x16x7; dorsal ridge shows crushing; 2m southeast of #2
Allandale Rail 18	12	orange	tuff	flake - medial	1			8x7x2; 4m southeast of #3; delicate
Allandale Rail 19	1	cream	tuff	flake - proximal	7	10	tab	2 scars; bending diagonal break removed lower right quadrant
Allandale Rail 20	1	pink	silcrete	flake	3	10	tab	2 scars; 1 arris line; red tabular cortex on distal
Allandale Rail 21	1	orange/red	tuff	flake	5			50x20x11; 4 scars; 3 arris lines; crushed
Allandale Rail 21	2	grey	silcrete	flake - proximal	3			29x24x11; 2 scars; 1 arris line
Belford Rail 1	1	orange	tuff	core	4	40	tab	20x25x32; 1 platform; 1 scar - 20x25;
Belford Rail 2	1	green/cream	silcrete	core	5	20	tab	9 scars; 30x36; 28x11; 14x13; 36x25; 25x24; 14x7; 14x11; 15x12; 13x7
Belford Rail 2	2	orange	tuff	flake - proximal	5	30	tab	25x40x20; 1 scar; cortical platform
Belford Rail 3	1	brown	tuff	flake	5			45x49x8; flake is broken - one piece found which conjoins to main; edge damage possibly due to heavy machinery;
Belford Rail 4	1	grey	silcrete	flake	6			finegrained silcrete; 3 scars; 45x31x6
Belford Rail 4	2	cream	silcrete	core	13	10	tab	12 scars; feather and step terminations; average flake size = 6cm in length
Belford Rail 5	1	cream	silcrete	flake	8			1 scar
Belford Rail 6	1	yellow	tuff	flake	5			44x49x12; flat platform 11x27; 2 scars
Belford Rail 7	1	pink	silcrete	core	9			1 platform; 3 scars; no preparation
Belford Rail 8	1	Cream	tuff	flake - proximal	2			30x27x9
Belford Rail 9	1	red	silcrete	core	5	50	peb	3 scars
Belford Rail 10	1	orange	tuff	flake	4			23x24x6; flat platform; 2 scars
Belford Rail 11	1	yellow	tuff	flake	6	20	tab	70x63x35; 2 scars
Belford Rail 12	1	orange/red	tuff	flake	3			20x20x10; flat platform; 1 arris line/dorsal ridge;
Belford Rail 13	1	cream	tuff	lithic fragment	1			23x21x4
Belford Rail 13	2	brown	silcrete	flake	2			29x28x5
Belford Rail 13	3	orange	silcrete	flake	4	20	tab	50x35x25
Belford Rail 13	4	red	silcrete	flake	2	10	tab	22x22x6
Belford Rail 13	5	red	silcrete	flake	4			33x35x5
Belford Rail 13	6	yellow	silcrete	flake	2			29x25x4
Belford Rail 13	7	orange	silcrete	flake	2			29x26x4

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Belford Rail 13	8	red	silcrete	flake	4			39x29x6
Belford Rail 13	9	yellow	silcrete	flake	2			55x41x23
Belford Rail 13	10	yellow	silcrete	flake	3			30x20x2
Belford Rail 14	1	white	tuff	flake - proximal	3	30	tab	19x11.5x4.4; red tabular cortex; faceted platform; 2 scars; 1 dorsal ridge; bending transverse break
Belford Rail 14	2	white	tuff	flake	3	30	tab	26x25x11; distal tip broken off but found and conjoins to main portion
Belford Rail 14	3	white	tuff	flake - proximal	3			24x14x5; 1 eraillure scar;
Belford Rail 14	4	white	tuff	lithic fragment	4			29.8x16.2x4.8
Belford Rail 14	5	red	silcrete	flake	4			30x25x12; 3 scars; approximately 26m southeast of BR14 #4
Belford Rail 15	1	orange/cream	silcrete	flake	5	30	tab	43.8x40.5x14.6
Belford Rail 15	2	orange/cream	silcrete	flake	3	5	tab	23.6x20.3x6; flat platform
Belford Rail 15	3	orange/cream	silcrete	flake - proximal	3			28.3x22.3x9.8
Belford Rail 15	4	orange/cream	silcrete	flake	5	5	tab	44.7x28x6.8; 1 scar
Belford Rail 15	5	orange/cream	silcrete	flake	3	20	tab	30x26x14.7; 2 scars
Belford Rail 15	6	orange/cream	silcrete	flake	3			28.4x17.2x6.2; 1 scar
Belford Rail 15	7	orange/cream	silcrete	flake	5	15	tab	46.5x48x13.8;
Branxton Rail 1	1	yellow	tuff	flake	3			21.1x8.4x4.9; focal 1.8x5.7
Branxton Rail 1	2	yellow	tuff	flake - proximal	2			12.1x9.8x7.1; flat platform 1.8x7.8
Branxton Rail 1	3	cream	sedimentary	core	6			18.3x50x26.3; single platform; scar - 16.8x11; 10m from #1 & 2
Branxton Rail 1	4	brown	tuff	core	5	40	tab	33.6x43.7x28.8; single platform; 5 scars - 14.9x11.3; 24.9x12; 16.3x25.6; 24.7x10.8; 27.9x16.1; 15m east of #1
Branxton Rail 2	1	orange/yellow	tuff	flake	6			41.1x20.9x5.1; focal 5.5x2.6; 1 scar; step termination; very fine grained
Branxton Rail 2	2	grey	silcrete	flake	3			27.8x22x4.9; focal 16.5x2.6; step termination; coarse grained
Branxton Rail 2	3	red	silcrete	flake	4			36.7x27.5x7.5; flat platform 28.7x9.1; feather termination
Branxton Rail 2	4	red	tuff	lithic fragment	4	10	tab	37x26x10
Branxton Rail 2	5	red	tuff	flake	3			16.5x11.3x5.1; flat platform13.5x6.3; 1 scar; broken feather termination
Branxton Rail 3	1	yellow	tuff	flake	2			18.6x10x5.8; faceted platform 9.5x5.8
Branxton Rail 3	2	yellow	silcrete	flake - medial	3			21x14.4x6.2; 1 ventral scar; 3 dorsal scars
Branxton Rail 3	3	yellow/red	silcrete	flake - medial	3			19.4x13x4.2; 1 scar; heat affected
Branxton Rail 3	4	red	silcrete	flake	3			24.1x4.8x18; flat platform 12.8x2.9
Branxton Rail 3	5	orange	tuff	flake	3			22.3x16x9.7
Branxton Rail 3	6	orange	tuff	lithic fragment	3			29x15.9x5.1
Branxton Rail 3	7	orange	tuff	flake - medial	3	20	tab	23.8x11.8x6.3
Branxton Rail 3	8	brown/cream	tuff	flake	3			21.8x19.3x8.6; flat platform 12.9x3.9
Branxton Rail 3	9	brown	tuff	flake	4			37.7x13.6x7.5; flat platform 8.9x3.4
Branxton Rail 3	10	orange/red	silcrete	flake	3			22.5x15.9x5.7; flat platform 8.9x5.4; 2 scars
Branxton Rail 3	11	orange/red	silcrete	flake - distal	3			21.6x18.3x9.6; 3 scars; step termination
Branxton Rail 3	12	orange/red	silcrete	flake - proximal	2			18.8x13.8x6.3; flat platform 9.7x4.0
Branxton Rail 3	13	orange/red	silcrete	flake - proximal	2			16.9x9.2x2.8; flat platform 6x2.7; 1 scar
Branxton Rail 3	14	orange/red	silcrete	lithic fragment	2			11.8x15.5x3.9
Branxton Rail 3	15	orange/red	silcrete	flake - medial	2			14.5x8.4x3.8
Branxton Rail 3	16	orange/red	silcrete	flake	2			11.8x11.4x5.1; flat platform; 6.7x3 1 scar
Branxton Rail 3	17	orange	tuff	flake	2			18.1x16.8x3; flat platform 1.6x3.6
Branxton Rail 3	18	orange	tuff	flake - distal	2			15.8x15.4x5.1
Branxton Rail 3	19	red	silcrete	lithic fragment	3			21.2x25.2x14.4
Branxton Rail 4	1	pink	silcrete	flake	4			28x24x11; flat platform 8x20; coarse grained; 1 ventral scar; 3 partial scars on dorsal;
Branxton Rail 4	2	yellow	silcrete	flake - medial	2			23x15x9; 10m south of #1

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Branxton Rail 4	3	white	tuff	flake - proximal	4			28x22x8; flat platform 5x10; 3 scars; 1 dorsal ridge; 35m east of #1 and 2 on opposite side of dam wall
Branxton Rail 5	1	red/cream	silcrete	flake	3			
Branxton Rail 6	1	yellow	tuff	core	5	50	tab	1 platform; 2 scars
Branxton Rail 7	1	orange	tuff	flake	3			21x18x7; flat platform 5x11; 10m west of above; 2 scars; dorsal ridge
Branxton Rail 8	1	red	silcrete	flake	5			
Branxton Rail 9	1	yellow/red	ironstone	core fragment	4	10	tab	38x24x18; 5 partial scars
Branxton Rail 9	2	yellow	silcrete	flake	5			45x32x12; 3 scars; overhang reduction; left margin missing; flat platform7x14
Branxton Rail 10	1	red	silcrete	core fragment	4			40x16x20; 2 partial scars
Branxton Rail 11	1	yellow	tuff	flake	3			1 scar
Branxton Rail 12	1	yellow	silcrete	flake - medial	3			
Branxton Rail 13	1	grey	silcrete	flake - proximal	2			18x19x7; flat platform 7x13; 2 scars; dorsal ridge; bending transverse break
Branxton Rail 14	1	orange	tuff	retouched flake	5			48x24x16; crushed <1x1; 2 scars off ventral surface; 1 dorsal ridge;
Branxton Rail 15	1	orange	tuff	flake	5	100	peb	38x37x6; flat platform 5x7;
Branxton Rail 15	2	orange	tuff	core fragment	4	90	peb	39x35x12; 3 partial scars; 3m east of #1
Branxton Rail 15	3	pink	silcrete	flake - proximal	2			16.9x16x3.9; flat platform 19x4; 4m east of #2
Branxton Rail 15	4	yellow/orange	silcrete	core fragment	4			1 platform; 2 partial scars; 33x35.5x22.1
Branxton Rail 15	5	red	silcrete	core	3			20.4x16.3x8.4; 1 platform; 1 scar 1.9x3.4
Branxton Rail 15	6	yellow	tuff	flake - proximal	3			22.8x19.5x10.4; focused <1x1; near fence
Branxton Rail 15	7	yellow	silcrete	flake - distal	2			14.7x18.3x5.9; feather termination
Branxton Rail 15	8	pink/grey	silcrete	flake	3			28.1x24.2x7; flat platform 30.6x7.4; feather termination; artefact is near #5
Branxton Rail 15	9	pink/grey	silcrete	core fragment	3			27x17x12; 3 scars - 9.9x11; 5x10.9; 4.9x5.7
Branxton Rail 15	10	pink/grey	silcrete	flake	6			54.6x18x9.6; flat platform 12.7x6.5; 1 scar; step termination
Branxton Rail 15	11	pink/orange	silcrete	flake	8			73.4x57x16.8; faceted platform 16.2x9.9; 1 scar; feather termination; 10m east of #10;
Branxton Rail 16	1	orange	tuff	core	5	5	tab	35.7x44.4x25.4; multiplatform; 12 scars
Greta Rail 1	1	red	tuff	flake	6			
Greta Rail 2	1	red	silcrete	flake - medial	3			10x24x7; dorsal ridge
Greta Rail 3	1	yellow	tuff	core	4			1 platform; 2 scars
Greta Rail 3	2	yellow	tuff	flake	2			associated with #1
Greta Rail 4	1	cream	tuff	flake	3			24x23x5; broken into 3 pieces; 4 scars; 3 arris lines; flat platform 4x11; tip of termination broken off
Greta Rail 4	2	red	silcrete	core	5			40x38x28; 3 scars - 24x32; 26x22; 26x20
Greta Rail 4	3	pink/orange	tuff	flake	3			28x11x2; 2 scars; 2 arris lines; faceted platform 2x5; 20m east of #1
Greta Rail 4	4	orange	tuff	core	4	60	peb	28x25x12; 1 platfrom; 3 scars - 28x12; 19x12; 16x12
Greta Rail 4	5	red	silcrete	flake	5			40x22x8; faceted platform 7x13; 2 scars; dorsal ridge; 15m from #1
Greta Rail 4	6	yellow	tuff	flake - distal	4	50	peb	28x30x20; 2 scars
Greta Rail 4	7	yellow/grey	silcrete	core	5			38x27x18; 3 platforms; 3 scars - 36x14; 34x15; 34x16
Greta Rail 4	8	pink	silcrete	flake - distal	3			26x7x10; 2 partial scars; 2 arris lines; bending transverse breakage
Greta Rail 4	9	cream	tuff	flake	5			1 scar
Greta Rail 4	10	orange	tuff	flake	6	50	tab	
Greta Rail 4	11	cream	tuff	core	4	20	tab	1 platform; 2 scars
Greta Rail 4	12	cream	silcrete	core	4	10	tab	1 platform; 4 scars
Greta Rail 4	13	red	silcrete	core	4			1 platform; 1 scar
Greta Rail 4	14	yellow	silcrete	flake	5			1 scar

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Greta Rail 4	15	cream	tuff	retouched flake	3			27mm retouch on distal end
Greta Rail 4	16	yellow	tuff	flake	3	50	tab	
Greta Rail 5	1	yellow	tuff	flake	4			40x25x8; damage to lateral margins due to vehicles
Greta Rail 6	1	yellow	tuff	flake	2			13.9x17.6x2.8; flat platform 13.8x2; feather termination
Greta Rail 7	1	pink	silcrete	flake	2			
Greta Rail 7	2	red	silcrete	lithic fragment	3			
Greta Rail 7	1	red	silcrete	core	6			item #1-10 associated
Greta Rail 7	2	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	3	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	4	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	5	red	silcrete	flake	4			item #1-10 associated
Greta Rail 7	6	red	silcrete	flake	2			item #1-10 associated
Greta Rail 7	7	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	8	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	9	red	silcrete	flake	3			item #1-10 associated
Greta Rail 7	10	red	silcrete	flake	2			item #1-10 associated
Greta Rail 7	11	orange	tuff	flake	2			
Greta Rail 7	12	orange	tuff	flake	2			
Greta Rail 7	13	red	silcrete	lithic fragment	1			
Greta Rail 7	14	pink/cream	silcrete	lithic fragment	2			
Greta Rail 8	1	mottled red	tuff	flake - medial	2	30	tab	11x15x8; bending transverse break
Greta Rail 8	2	yellow	tuff	flake - proximal	2			9x15x3; crushed <1x1; 1 scar
Greta Rail 8	3	pink	silcrete	flake	2			11x10x4; flat platform 5x8
Greta Rail 8	4	pink	silcrete	core fragment	4			19x23x15; 4 partial scars
Greta Rail 8	5	red	silcrete	flake - distal	4	30	peb	23x30x13; 5m from item #1
Greta Rail 8	6	red	silcrete	bondi point	2			18x7x4; left margin very fine bi-directional retouch; 2 scars; 1 arris line parrellel to chord; tip missing
Greta Rail 8	7	red	silcrete	lithic fragment	2			18x12x8
Greta Rail 8	8	orange	silcrete	lithic fragment	1			7x6x2
Greta Rail 8	9	orange	tuff	flake	4	80	peb	35x28x20; cortical platform 10x19; 2 scars
Greta Rail 8	10	cream	silcrete	flake - proximal	2			15x14x5; flat platform 5x10; 2 scars
Greta Rail 8	11	cream/red	tuff	flake - distal	2	20	peb	16x18x5; dorsal ridge
Greta Rail 8	12	green	silcrete	flake - proximal	2			20x13x6; focused <1x1; 2 scars; dorsal ridge
Greta Rail 8	13	orange/brown	tuff	flake	5			36x28x12; flat platform 2x6; 1 ventral scar; 5 scars; 2 arris lines
Greta Rail 9	1	yellow	tuff	flake	3			
Greta Rail 9	2	orange	tuff	flake	4			
Greta Rail 9	3	yellow	silcrete	flake	2			
Greta Rail 9	4	orange	silcrete	flake	6			
Greta Rail 10	1	pink	silcrete	flake	7			4 scars
Greta Rail 10	2	red	tuff	flake	3			2 scars
Greta Rail 11	1	pink	silcrete	flake	5			
Greta Rail 12	1	brown	silcrete	flake	2			
Greta Rail 12	2	yellow	tuff	flake	4			
Greta Rail 12	3	red	tuff	flake	3			
Greta Rail 12	4	yellow/red	tuff	flake	2			
Greta Rail 12	5	red	tuff	flake	2	100	tab	
Greta Rail 12	6	pink	quartzite	core	4			1 platform; 2 scars
Greta Rail 13	1	red	silcrete	flake	4			1 scar
Greta Rail 13	2	white	tuff	lithic fragment	1			
Greta Rail 13	3	white	tuff	lithic fragment	2			
Greta Rail 13	4	white	tuff	lithic fragment	3			
Greta Rail 13	5	white	tuff	core	7			1 platform; 2 scars
Greta Rail 14	1	yellow/brown	tuff	flake	3			

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Greta Rail 14	2	yellow/brown	tuff	flake	4			
Greta Rail 14	3	yellow/brown	tuff	flake	2			
Greta Rail 15	1	brown	tuff	flake	2			
Greta Rail 15	2	brown/white	tuff	flake	3			
Greta Rail 15	3	grey/pink	silcrete	flake	5			
Greta Rail 16	1	yellow	tuff	flake - proximal	4	100	tab	conjoin
Greta Rail 16	2	yellow	tuff	flake - distal	2	100	tab	conjoin
Greta Rail 17	1	yellow/orange	silcrete	flake	2			
Greta Rail 17	2	yellow/orange	silcrete	flake	2			
Greta Rail 17	3	red	tuff	core	4			1 platform; 3 scars
Greta Rail 17	4	cream	tuff	flake	3			
Greta Rail 17	5	cream	silcrete	flake	2			
Greta Rail 17	6	red	tuff	flake	3			
Greta Rail 18	1	red	silcrete	flake	3			
Greta Rail 18	2	orange	silcrete	flake	3			
Greta Rail 19	1	red/brown	tuff	flake - longitudinal	4	40	peb	31.5x29.8x17.2; flat platform; 3 scars; feather termination
Lochinvar Rail 1	1	yellow	tuff	flake - distal	3			bending transverse break; 3 scars
Lochinvar Rail 1	2	yellow	tuff	flake	3			6m south of #1; 21x29x14
Lochinvar Rail 2	1	brown	silcrete	flake	5			57x51x26; focal; 3 scars; feather termination; silcrete is uniformly of small clasts;
Lochinvar Rail 2	2	cream	silcrete	flake	5			28x37x14; flaked platform 10x36; 2 scars; 1 dorsal ridge; 30m east of #1
Lochinvar Rail 3	1	yellow	tuff	flake	6	100	peb	32x55x24; flat platform; feather termination
Lochinvar Rail 3	2	grey	silcrete	flake - distal	4			36x31x4; 1 scar; feather termination
Lochinvar Rail 4	1	red	silcrete	lithic fragment	3			28x19x5; flat platform 9x5; feather termination; in rail corridor
Rutherford Rail 1	1	yellow	silcrete	flake	2			25x21x4; flat platform; 3 scars; feather termination
Rutherford Rail 2	1	yellow/grey	silcrete	flake - proximal	3			24x21x7; flat platform; 4x13; 3 scars
Rutherford Rail 2	2	grey	tuff	flake - longitudinal	4			chert like material; 24x21x8; flat platform; 6x8; 2 scars; edge damage to left margin
Rutherford Rail 2	3	pink	silcrete	flake	3			21x19x3; crushed <1x1; 2 scars; 2 parallel ridge crests; possibly bondi preform; 11m southeast of #1
Rutherford Rail 2	4	orange/brown	tuff	flake - medial	2			14x15x6; 1 partial scar; possible retouch to left margin for 15mm
Rutherford Rail 2	5	cream	chert	retouched flake	3			24x14x9; focused 6x8; dorsal ridge retouched; 5 scars; mid portion only of a longitudinally split flake
Rutherford Rail 2	6	yellow	silcrete	flake - distal	2			20x12x5; 3 scars; 2 arris lines; bending transverse break; possibly a bondi preform
Rutherford Rail 2	7	pink/grey	silcrete	flake - proximal	2			13x20x6; faceted platform 6x16; 1m southeast of #6
Rutherford Rail 2	8	cream	silcrete	flake - proximal	4			fine grained material; 25x28x8; flat platform 4x12; 1 scar; dorsal ridge; bending transverse break
Rutherford Rail 2	9	red	silcrete	flake - proximal	4			31x32x5; flat platform 3x10; 1 scar; coarse grained
Rutherford Rail 2	10	pink	breccia	flake	4			32x15x6; faceted platform 5x10; 2 scars; 1 arris line
Rutherford Rail 2	11	pink	breccia	retouched utilised flake	5			23x34x14; focused <1x1; 1m southeast of #10; left margin is scar off dorsal; usewear on right and distal margins for 21 and 24mm respectively; 1 scar; large crystal clasts
Rutherford Rail 2	12	yellow/red	silcrete	flake - distal	5			26x48x15; 2 scars removed
Rutherford Rail 2	13	red	silcrete	retouched flake	4			34x27x7; focused <1x1; 1m southeast of #12; retouch on right margin for 27 mm
Rutherford Rail 2	14	grey	silcrete	flake - medial	2			10x13x3.5; 3 partial scars; 2 partial arris lines

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Rutherford Rail 2	15	red	silcrete	flake - proximal	3			10x15x15; focused 2x11; 1m south of #14
Rutherford Rail 2	16	pink/grey	silcrete	retouched flake - proximal	3			23x17x6; "ventral" is negative scar; retouch on all margins
Rutherford Rail 2	17	red	silcrete	flake - medial	2			10x17x3; 1 partial scar
Rutherford Rail 2	18	red	silcrete	flake	4			36x37x17; faceted platform 11x17; 3 scars; 1 ventral scar; overhang reduction; chunky
Rutherford Rail 2	19	red	sedimentary	flake - medial	4			15x32x10
Rutherford Rail 2	20	yellow	tuff	lithic fragment	2			10x10x5
Rutherford Rail 2	21	red	ironstone	flake - proximal	4	95	peb	30x17x11; left and right margins thick and chunky
Rutherford Rail 2	22	yellow	silcrete	flake - distal	3			21x7x7; triangular prism shaped; dorsal ridge; edge damage to chord; possibly a bondi point preform
Rutherford Rail 2	23	yellow/red	silcrete	flake - proximal	5	60	peb	29x25x15; flat platform 11x24; 2 ventral scars; termination removed though flaking
Rutherford Rail 2	24	grey	tuff	bondi point - tip	3			2x8x5; bending transverse break; very fine, bi-directional retouch opposite chord; very delicate
Rutherford Rail 2	25	cream	chert	retouched flake	4			26x27x10; flat platform 8x12; severe overhang reduction; 4 scars; possibly hand held tool
Rutherford Rail 2	26	pink/cream	silcrete	flake - medial	3			23x15x10; bending transverse break
Rutherford Rail 2	27	pink/cream	silcrete	flake	3			21x14x4; flat platform 4x6; 1 scar
Rutherford Rail 2	28	yellow	silcrete	flake	4			25x30x10; flat platform 7x20; 4 scars
Rutherford Rail 2	29	red	silcrete	flake	3			25x20x10; faceted platform 9x18; 2 scars
Rutherford Rail 2	30	pink	chert	core	4			34x18x18; 7 scars - 34x13; 34x10; 21x7; 6x15; 31x7; 15x11; 23x12
Rutherford Rail 2	31	yellow	silcrete	core	3			23x12x10; 8 scars - 23x9; 23x9; 23x8; 20x6; 19x5; 19x3; 9x12; 5x5
Rutherford Rail 2	32	pink	silcrete	flake - proximal	2	10	peb	7x10x2; flat platform 2x7; 3 partial scars
Rutherford Rail 2	33	pink	silcrete	flake - proximal	3			23x13x5; flat platform 4x12; 3 partial scars; 2 arris lines
Rutherford Rail 2	34	red	silcrete	flake - distal	2			13x14x3; 3 partial scars; 2 arris lines
Rutherford Rail 2	35	pink	silcrete	flake	2			8x15x3; flat platform; 2x10; 1 scar
Rutherford Rail 2	36	red	silcrete	flake - medial	2			11x12x3; 2 partial scars; 1 arris line; sharp edges
Rutherford Rail 2	37	pink	silcrete	flake - distal	1			5x7x1; 2 partial scars; 1 arris line
Rutherford Rail 2	38	black	tuff	flake - proximal	2			10x11x4; faceted platform 4x10; 1 scar
Rutherford Rail 2	39	pink/cream	silcrete	flake - medial	3			22x10x3; 1 partial scar; bending transverse break
Rutherford Rail 2	40	grey	tuff	flake - medial	2			15x13x4; 3 partial scars
Rutherford Rail 2	41	red	silcrete	flake - proximal	3			12x24x6; focused 5x3; 1 scar
Rutherford Rail 2	42	red	silcrete	flake - proximal	3			15x17x6; flat platform 5x16; 3 scars
Rutherford Rail 2	43	grey	silcrete	flake - distal	3			21x15x6; 4 scars
Rutherford Rail 2	44	pink	silcrete	flake - distal	3			23x10x6; 6 scars
Rutherford Rail 2	45	grey	tuff	flake	2			19x14x4; flat platform 4x13; 2 scars
Rutherford Rail 2	46	red	silcrete	flake	4			30x27x12; flat platform 13x25; 2 scars
Rutherford Rail 2	47	red	tuff	core	3			22x28x14; chert like material; 6 scars - 26x17; 16x11; 19x15; 14x19; 6x22; 6x8
Rutherford Rail 2	48	yellow	silcrete	flake	3			22x16x10; focused <1x1; 3 scars
Rutherford Rail 2	49	pink	chert	flake	2			9x9x2; focused <1x1; delicate; 2 scars
Rutherford Rail 2	50	pink	silcrete	flake - medial	2			10x9x3; large grained; 2 scars; 2 arris lines
Rutherford Rail 2	51	cream	tuff	core fragment	3			23x12x10; 1 platform; 4 scars - 21x6; 13x6; 16x5; 18x8
Rutherford Rail 2	52	banded blue/cream	chert	lithic fragment	3	20	peb	22x12x7
Rutherford Rail 2	53	red	silcrete	flake - distal	3			20x17x6; 3 partial scars; bending transverse break
Rutherford Rail 2	54	pink	silcrete	flake - medial	4			13x33x7; 1 scar; bending transverse break
Rutherford Rail 2	55	yellow	chert	lithic fragment	2			12x15x7

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Rutherford Rail 2	56	red	silcrete	flake - distal	5	30	peb	45x20x21
Rutherford Rail 2	57	yellow	chert	flake	2			17x12x3; focused 2x5; 3 scars
Rutherford Rail 2	58	red	silcrete	flake - proximal	3			15x15x5; flat platform 4x12; bending transverse break; 2 scars
Rutherford Rail 2	59	grey	silcrete	flake	3			27x18x4; flat platform 3x11; 2 scars; fresh breakage
Rutherford Rail 2	60	pink	chert	flake	2			13x10x4; flat platform 4x8; 2 scars
Rutherford Rail 2	61	dark grey	tuff	flake	3			22x12x4; flat platform 4x9; 3 scars
Rutherford Rail 2	62	yellow	tuff	flake - distal	4			27x11x6; 2 scars; 1 arris line
Rutherford Rail 2	63	red	silcrete	flake	5	80	peb	26x45x13; flat platform 6x13; 1 ventral scar
Rutherford Rail 2	64	pink	silcrete	flake - distal	3			18x22x5; 2 partial scars; coarse grained silcrete
Rutherford Rail 2	65	red	sedimentary	flake	4	100	peb	37x12x7; cortical platform 1x1
Rutherford Rail 2	66	yellow	chert	lithic fragment	2			17x14x12; 3m southeast of item #64
Rutherford Rail 2	67	blue	silcrete	lithic fragment	2			19x7x5
Rutherford Rail 2	68	yellow	chert	flake	3			23x11x4; flat platform; missing left margin; bending transverse break; 2 scars; possibly handheld tool
Rutherford Rail 2	69	grey	silcrete	flake - proximal	3			18x20x5; flat platform 5x10; 1 scar
Rutherford Rail 2	70	dark grey	tuff	flake	4			36x18x7; flat platform 6x13; 2 scars; 10m southeast of item #64
Rutherford Rail 2	71	yellow	tuff	flake - medial	2	10	peb	8x14x3; 1 scar; bending transverse break
Rutherford Rail 2	72	orange	tuff	flake	6			57x17x8; flat platform 4x9; 4 scars; 3m from #71
Rutherford Rail 2	73	grey	silcrete	flake - proximal	3			10x17x4; flat platform 4x15; 2 partial scars
Rutherford Rail 2	74	orange	tuff	flake - proximal	3			17x18x6; flat platform 6x12; missing left margin; 1 scar
Rutherford Rail 2	75	grey	tuff	bondi point - tip	2			12x5x3; very fine bi-directional retouch on margin
Rutherford Rail 2	76	red	silcrete	flake	5			33x23x7; flat platform 6x14; 2 scars
Rutherford Rail 2	77	yellow	silcrete	flake - proximal	3			14x24x9; flat platform 7x8; bending transverse break
Rutherford Rail 2	78	yellow	silcrete	flake	2			8x17x5; flat platform 4x17; 2 scars
Rutherford Rail 2	79	yellow	silcrete	flake	2			17x13x4; flat platform 1x7; 1 scar
Rutherford Rail 2	80	grey	tuff	flake	2	100	peb	9x16x3; cortical platform 2x10
Rutherford Rail 2	81	grey/red	silcrete	flake - distal	3			23x14x5; hinge termination; 2 scars; 1 arris line
Rutherford Rail 2	82	grey	silcrete	flake	3			28x24x6; faceted platforms 7x3; 2 scars; dorsal ridge
Rutherford Rail 2	83	orange	tuff	flake	3	30	tab	23x15x5; faceted platform 4x10; 1 scar
Rutherford Rail 2	84	yellow	silcrete	flake	3			9x21x3; flat platform 3x20; 1 scar
Rutherford Rail 2	85	grey/red	silcrete	flake	3			22x14x4; flat platform 4x11; 1 scar
Rutherford Rail 2	86	red	silcrete	flake - proximal	2			11x10x5; flat platform 4x6; 1 scar
Rutherford Rail 2	87	yellow	silcrete	flake	2			8x14x1; focused; delicate; 1 scar
Rutherford Rail 2	88	orange	tuff	flake - distal	2			17x11x3; dorsal ridge; bending transverse break
Rutherford Rail 2	89	grey	silcrete	flake - proximal	2			14x16x5; flat platform 5x14; dorsal ridge; 2 scars
Rutherford Rail 2	90	pink	silcrete	flake - longitudinal	3			23x17x5; focused <1x1
Rutherford Rail 2	91	mottled red	tuff	flake	3			24x25x8; focused <1x1; overhang reduction; 4 scars
Rutherford Rail 2	92	yellow	silcrete	flake	4			29x39x9; flat platform 10x30; 3m southeast of #92; 3 scars
Rutherford Rail 2	93	pink	silcrete	flake - proximal	3			29x17x9; crushed <1x1; overhang reduction; bending transverse break; fine grained; longitudinally split right proximal fragment
Rutherford Rail 2	94	pink	silcrete	flake	5			42x42x14; flat platform 4x16; overhang reduction; step termination; 5 scars
Rutherford Rail 2	95	orange	tuff	flake	2			19x149x5; flat platform 6x13; 5m from #94; dorsal ridge; 2 scars
Rutherford Rail 2	96	pink	tuff	core fragment	4	30	tab	29x24x19; 4 partial scars

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Rutherford Rail 2	97	red	silcrete	bondi point - preform	4			34x14x7; 9m from item #97; bi-directional retouch along margin opposite chord for 18mm; 2 scars
Rutherford Rail 2	98	pink	silcrete	flake - proximal	4			30x23x13; flat platform 12x15; 3 scars
Rutherford Rail 2	99	yellow	chert	flake - medial	2	30	tab	12x10x2; 1 partial scar; bending transverse break
Rutherford Rail 2	100	red	silcrete	core fragment	5	20	peb	46x35x34; 9 partial scars
Rutherford Rail 2	101	yellow	tuff	flake	2			18x14x7; flat platform 14x7; 9m from item #100
Rutherford Rail 2	102	grey	tuff	lithic fragment	2			15x16x6
Rutherford Rail 2	103	mottled red	tuff	flake - proximal	5			25x35x10; flat platform 8x12; bending transverse break; 1 partial scar
Rutherford Rail 2	104	cream	tuff	flake - medial	2			17x4x14; bending transverse break
Rutherford Rail 2	105	grey/red	silcrete	flake - proximal	3			19x14x8; flat platform 3x5; bending transverse break; 3 scars
Rutherford Rail 2	106	grey/red	silcrete	lithic fragment	2			19x12x7
Rutherford Rail 2	107	grey/red	silcrete	flake - medial	3			27x12x4
Rutherford Rail 2	108	orange	tuff	flake	3			23x24x8; crushed <1x1; 1 scar
Rutherford Rail 2	109	yellow	tuff	flake	3	80	peb	19x25x9; crushed <1x1; 2 scars
Rutherford Rail 2	110	red	silcrete	lithic fragment	5			41x22x14
Rutherford Rail 2	111	cream	chert	flake	2			13x10x3; crushed <1x1; 1 scar
Rutherford Rail 2	112	red	silcrete	flake	4			29x29x7; flat platform 8x23; 2 scars
Rutherford Rail 2	113	red	silcrete	lithic fragment	4			33x13x14
Rutherford Rail 2	114	cream	tuff	flake - proximal	2			10x15x4; flat platform 4x9; 1 dorsal scar; 2 partial scars; bending transverse break
Rutherford Rail 2	115	red	silcrete	flake	6			38x53x57; bipolar; 2 ventral sides - 2 bulbs; coarse grained material
Rutherford Rail 2	116	grey	silcrete	flake - proximal	4			26x22x8; faceted platform 9x24; overhang reduction; 3 scars; bending transverse break
Rutherford Rail 2	117	red	silcrete	flake	3	30	peb	22x20x6; flat platform 4x10; 3 scars
Rutherford Rail 2	118	orange	tuff	retouched flake	5			39x43x9; flat platform 5x14; overhang reduction; 1 ventral scar; 2 scars; dorsal ridge
Rutherford Rail 2	119	orange	tuff	flake - proximal	2			18x14x4; faceted platform 4x9; 3 partial scars; 2 dorsal ridges
Rutherford Rail 2	120	pink	silcrete	flake	7			42x27x20; flat platform 5x15; 4 scars; chunky
Rutherford Rail 2	121	yellow	tuff	bondi point - preform	5			43x15x9; focused <1x1; 2 scars; dorsal ridge; uni-directional retouch for 40mm on one margin
Rutherford Rail 2	122	orange	tuff	flake - medial	2			15x9x4; 3 partial scars; dorsal ridge; bending transverse break
Rutherford Rail 2	123	yellow	silcrete	utilised flake	6			57x52x20; flat platform 4x20; 3 bulbs; wide left margin; 10m from #122; top of bank
Rutherford Rail 2	124	orange mottled	tuff	flake	3			20x24x7; flat platform 6x21; 3 scars
Rutherford Rail 2	125	orange	tuff	flake	3			20x23x6; flat platform 7x23; 1 ventral scar; 1 scar
Rutherford Rail 2	126	mottled red	tuff	flake - proximal	2			12x14x3; faceted platform 2x9
Rutherford Rail 2	127	pink	silcrete	flake	3			20x23x5; flat platform 3x7; 1 scar; 10m west of #127
Rutherford Rail 2	128	orange	tuff	flake - distal	4	40	peb	36x21x12; 3 partial scars
Rutherford Rail 2	129	green	chert	flake	4			31x14x7; crushed <1x1; 4 scars; 2 arris lines
Rutherford Rail 2	130	orange	tuff	flake	4	80	peb	36x26x10; cortical platform 7x13; 1 scar
Rutherford Rail 2	131	pink	silcrete	flake	3			29x22x5; flat platform 5x15; 1 scar; 7m west of #131
Rutherford Rail 2	132	orange	tuff	flake	3			24x25x9; flat platform 9x25; overhang reduction; 4 scars
Rutherford Rail 2	133	red	silcrete	flake - distal	3			22x25x11; 1 partial scar
Rutherford Rail 2	134	grey	silcrete	flake	3			23x26x6; flat platform 4x14; 2 scars
Rutherford Rail 2	135	red	silcrete	flake - proximal	5			45x27x11; flat platform 9x7; 3 scars; distal removed through flaking; 3m from #135

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Rutherford Rail 2	136	orange	tuff	flake	5	100	peb	41x15x6; faceted platform 6x11; side of hill
Rutherford Rail 2	137	red	sedimentary	flake	3			25x22x6; flat platform 5x10; 3 scars; dorsal ridge
Rutherford Rail 2	138	orange	tuff	flake	3	60	peb	22x16x7; flat platform 4x7; 1 scar
Rutherford Rail 2	139	grey	silcrete	flake	4			28x12x3; flat platform 1x6; fine grained 1 scar; 2 arris lines
Rutherford Rail 2	140	grey	silcrete	core fragment	9			83x55x37; 7 partial scars; large inclusions
Rutherford Rail 2	141	red	tuff	flake	3			23x10x5; focused <1x1; overhang reduction; 2 scars
Rutherford Rail 2	142	yellow	silcrete	core	10	40	peb	99x65x48; single core; pebble inclusions; 9 scars - 56x51; 31x15; 32x30; 29x18; 22x30; 25x14; 18x17; 13x20; 11x13
Rutherford Rail 2	143	green/grey	tuff	flake	4			19x34x3; focused <1x1; 2 scars
Rutherford Rail 2	144	red	tuff	flake - medial	2			18x9x2; bending transverse break
Rutherford Rail 2	145	red	silcrete	lithic fragment	4			34x20x9
Rutherford Rail 2	146	red	silcrete	flake - proximal	2			16x20x5; flat platform 4x12; bending transverse break
Rutherford Rail 2	147	cream	chert	flake - medial	2			15x11x4; dorsal ridge; bending transverse break
Rutherford Rail 2	148	translucent	chalcedony	flake	3			27x20x7; flat platform 7x14; 3 scars
Rutherford Rail 2	149	grey	silcrete	flake - proximal	2			12x18x5; flat platform 5x16; bending transverse break
Rutherford Rail 2	150	grey	tuff	flake	3			24x30x5; flat platform 4x10; 1 scar
Rutherford Rail 2	151	red	silcrete	flake - proximal	3			22x25x12; flat platform 10x21; 2 scars; bending transverse break
Rutherford Rail 2	152	banded grey/red	silcrete	flake	6			59x46x13; flat platform 8x25; 3 scars
Rutherford Rail 2	153	red	silcrete	flake	3			29x27x5; flat platform 4x15; 1 scar
Rutherford Rail 2	154	red	silcrete	flake - proximal	5			43x17x6; faceted platform 5x7; 4 scars; dorsal ridge
Rutherford Rail 2	155	orange	tuff	flake	3			30x9x4; flat platform 2x6; 4 scars; dorsal ridge
Rutherford Rail 2	156	grey	tuff	flake	3			23x18x6; 3x7; ventral scar; 2 scars; 3m from #156
Rutherford Rail 2	157	cream	silcrete	flake	3			18x25x4; flat platform 5x16; fine grained; 1 scar
Rutherford Rail 2	158	cream	tuff	flake - medial	3			23x13x8
Rutherford Rail 2	159	grey	sedimentary	flake	3	10	tab	12x14x3; crushed <1x1; very fine grained; 2 scars
Rutherford Rail 2	160	mottled red	breccia	flake	3			23x24x8; flat platform 7x13; fine grained crystal inclusions; 1 ventral scar; 1 scar; dorsal ridge
Rutherford Rail 2	161	yellow	tuff	bondi point	5			43x10x8; missing tip; fine bi-directional retouch along margin opposite chord
Rutherford Rail 2	162	red	silcrete	flake	3			27x21x7; flat platform 7x14; 2 scars
Rutherford Rail 2	163	grey/red	silcrete	flake	4	10	peb	23x32x12; flat platform 11x15
Rutherford Rail 2	164	cream	silcrete	flake	5			26x23x14; faceted platform 8x20; fine grained; 3 scars; dorsal ridge
Rutherford Rail 2	165	grey/red	silcrete	flake - proximal	3			25x17x5; flat platform 3x13; 3 scars; 2 arris lines; bending transverse break
Rutherford Rail 2	166	red	silcrete	flake	3			27x20x5; flat platform 4x9; 2 scars; dorsal ridge
Rutherford Rail 2	167	grey/red	silcrete	flake	3			21x14x4; focused <1x1; 1 scar
Rutherford Rail 2	168	grey/red	silcrete	flake	3			24x20x6; flat platform 6x14; 1 scar
Rutherford Rail 2	169	grey/red	silcrete	retouched flake - proximal	6			52x25x15; faceted platform 4x10; 2 scars; 3 scars off distal face
Rutherford Rail 2	170	white	chalcedony	flake - medial	4			33x20x15; red discolouration visible in matrix cracks may be residue
Rutherford Rail 2	171	pink	silcrete	flake	4			31x12x5; faceted platform 3x10; 2 scars
Rutherford Rail 2	172	pink	silcrete	flake	3			14x21x11; faceted platform 11x15; 3 scars on proximal
Rutherford Rail 2	173	red	silcrete	flake - distal	3			25x9x6
Rutherford Rail 2	174	pink	silcrete	flake - distal	5			29x40x6; bending transverse break; 1 partial scar

Site Name	Artefact #	Colour	Stone Material	Lithic Item Type	Size Class	Cortex Amount (%)	Cortex Type	Comments
Rutherford Rail 2	175	grey	chert	flake - distal	1			8x5x2
Rutherford Rail 2	176	grey/red	silcrete	flake - proximal	3	95	peb	21x26x6; cortical platform 2x10; bending transverse break
Rutherford Rail 2	177	pink	silcrete	flake	3			28x10x7; faceted platform 4x10; 2 scars; dorsal ridge
Rutherford Rail 2	178	banded pink/red	silcrete	flake - medial	2			11x14x4
Rutherford Rail 2	179	red	silcrete	flake - medial	5			43x17x10; 3 scars; dorsal ridge
Rutherford Rail 2	180	grey	silcrete	flake	3			20x13x8; flat platform 8x10; 2 scars; dorsal ridge
Rutherford Rail 2	181	grey	chert	flake - proximal	2			15x16x6; focused <1x1; 2 partial scars
Rutherford Rail 2	182	grey	chert	flake - proximal	3			22x18x5; faceted platform 5x13; 2 scars; bending transverse break
Rutherford Rail 2	183	grey	chert	flake	4			30x16x13; 7 scars
Rutherford Rail 2	184	grey	silcrete	lithic fragment	5			41x16x13
Rutherford Rail 2	185	pink	silcrete	flake	5			30x43x15; flat platform 18x43; 4 scars
Rutherford Rail 2	186	grey/pink	silcrete	flake	7			63x28x13; flat platform 4x15; 3 scars
Rutherford Rail 2	187	pink	silcrete	core fragment	7			61x36x22; 9 partial scars
Rutherford Rail 2	188	grey	chert	flake	2			19x13x4; focused <1x1
Rutherford Rail 2	189	grey	tuff	flake - proximal	2			17x16x5; flat platform 3x13; 2 scars; dorsal ridge
Rutherford Rail 2	190	yellow/grey	tuff	flake	5			43x23x8; flat platform 6x12; 2 scars
Rutherford Rail 2	191	yellow	tuff	flake	4	70	peb	35x26x12; cortical platform 6x14; 1 scar
Rutherford Rail 2	192	red	silcrete	retouched flake - medial	3			27x9x6; bi-directional retouch on margin opposite chord; possibly a bondi preform; western most artefact on northern bank
Rutherford Rail 3	1	orange	tuff	core fragment	3			17x20x14; 10 partial scars; items #1-9 associated
Rutherford Rail 3	2	orange	tuff	flake	3			19.4x12.7x6.6; crushed <1x1; overhang reduction; 3 scars; dorsal ridge; items #1-9 associated
Rutherford Rail 3	3	orange	tuff	flake - proximal	2	100	peb	7.4x12x2.2; flat platform 1.2x7.8; items #1-9 associated
Rutherford Rail 3	4	orange	tuff	flake - medial	2			18x11.6x8.7; 4 partial scars; dorsal ridge; items #1-9 associated
Rutherford Rail 3	5	orange	tuff	flake - proximal	2			17.2x17.6x4.6; faceted platform4.5x7.3; 1 scar; items #1-9 associated
Rutherford Rail 3	6	orange	tuff	flake - medial	2			8.4x12.8x5.7; 3 partial scars; items #1-9 associated
Rutherford Rail 3	7	orange	tuff	flake - proximal	1			6.6x8.6x2.2; faceted platform <1x1; items #1-9 associated
Rutherford Rail 3	8	orange	tuff	lithic fragment	1			7.8x7.6x3.4; items #1-9 associated
Rutherford Rail 3	9	orange	tuff	flake	3			23x12.2x5.7; flat platform 1.5x5.9; 3 scars; items #1-9 associated
Station Lane 1	1	red	tuff	core	7	40	peb	3 scars; 1 platform; cortical platform;
Station Lane 2	1	pink	silcrete	flake - proximal	3			3 scars; overhang removal
Station Lane 3	1	yellow	tuff	core fragment	4			33x22x20; few negative scars; tabular surface;
Station Lane 3	2	yellow	tuff	flake - medial	3			2 scars; found on bank of drainage;

*Only includes items recorded during present investigation.

APPENDIX 5:

GLOSSARY

Aboriginal heritage site - any location that contains evidence of past activity of Aboriginal people (typically prior to or concurrent with the initial period of non-indigenous settlement).

Activity - the nature of behaviour that resulted in the discard of a lithic item. Five broad categories are identified within the area: *non-specific stone flaking*, *microblade production*, *microlith production*, *loss or intentional discard of microliths* and *loss or discard of non-microlith tools*.

Activity area - a single location in which one or more *activity events* has resulted in the discard of items that constitute archaeological evidence. For example, an *activity area* may represent a single *activity* such as *microblade production*. However, this activity is comprised of numerous *activity events* (eg. each blow to the core can be described as an *activity event*), which result in multiple discarded items, each from different *activity events*.

Activity event (discard event) - the discard of lithic item(s) resulting from a single action performed during an *activity*. For example, a single blow to a core during a *non-specific stone flaking* event may result in the detachment of several flakes.

Analysis area - in relation to the present Project, the portions of the *investigation area*, along with additional adjacent areas outside of the *investigation area*, that were subject to sampling by archaeological survey. Approximately 72% of the *analysis area* corresponds to the current *investigation area* and approximately 28% of the *analysis area* comprises land immediately adjacent to the *investigation area* that was included in the survey sample. The *analysis area* does not include the *modified investigation area* of negligible potential or the approximately 9% of the *investigation area* that was not subject to archaeological survey (primarily due to property access constraints).

Archaeological terrain unit (*environmental context*) - discrete, recurring areas of land (*survey areas*) in which the same combination of landform element and class of slope are present.

Archaeological visibility - a mean estimate of the percentage of visible ground surface within a *sample area* or *site* that has potential to contain evidence of Aboriginal heritage. Where a single *sample area* is comprised of multiple exposures, the archaeological visibility was recorded separately for each exposure and percentages noted as a range in the survey or site database.

Artefact - an object, normally portable, made or modified by the human hand (refer also to *stone artefact*).

Artefact density per square metre of effective survey coverage - mean number of artefacts within each square metre of visible ground surface with potential to contain Aboriginal artefacts that is physically inspected. Calculated by dividing the *number of artefacts* by *effective survey coverage*.

Artefact scatter - a locality that contains evidence of Aboriginal occupation in the form of stone artefacts. For the purposes of this assessment, artefact scatter sites are defined as the presence of one or more stone artefacts within a *survey area* (*cf.* Kuskie 2000). The survey areas are based on discrete, repeated *environmental contexts* or *archaeological terrain units*. Each spatially discrete location of evidence within a survey area is defined as a site locus, with the boundaries of the site locus defined by the visible extent of artefacts (ie. Aboriginal objects protected under the *National Parks and Wildlife Act 1974*). However, it is assumed that there is a similar probability for comparable evidence to occur elsewhere within the same survey area. Hence, while the visible site loci boundaries are defined by the extent of visible evidence, across the entire survey area in which a site is identified there exists a *potential resource* of comparable evidence.

Backed artefact (*microlith*) - a retouched flake with one or more margins retouched at a steep angle, and that margin is opposite a sharp edge. The steep margin is formed by bipolar or hammer and anvil knapping. This type of artefact is subdivided into asymmetrical (Bondi) and symmetrically (geometric) shaped backed artefacts.

Backed blade - refer to *backed artefact* or *microlith*.

Background scatter (*background discard*)- manuports and artefactual material that are insufficient either in number or in association with other material to suggest focused activity in a particular location.

Backing (*retouch*) - abruptly angled flaking (retouch) which has shaped a thick back part to an implement such as an elouera or a microlith. The process of flaking varies from bipolar impact (on some eloueras) to delicate application of pressure with a small stone ('chimbling' used to make microliths).

Bipolar flaking - a method of making flakes or retouched flake tools by breaking a piece of stone rested on a stone surface by repeatedly striking the core from above with a stone hammer. Bipolar reduction is evidenced by fracture/initiation (often wedging) at 'both' ends of the 'same' flake/scar and is quite different to simple Hertzian or bending initiation with regular terminations (feather, hinge, step etc.) on a small anvil rested core. It is often employed when core inertia becomes low and/or when platform angles become high, or to commence reduction of a small waterworn pebble.

Bondi point - A sub-type of *microlith* or *backed artefact* with abruptly angled backing retouch along one lateral margin (and often the butt end) so that it has an asymmetrical plan shape similar to a pen knife blade. This microlith type is commonly found east of the Great Divide as far north as Great Keppel Island.

Bora/ceremonial site - a type of ceremonial site associated with initiation ceremonies. They are usually made of two circular depressions in the earth, sometimes edged with stone.

Breccia - a rock composed of angular rock fragments held together by a mineral cement or in a fine-grained matrix. A breccia can have different origins (eg. sedimentary, igneous or hydrothermal).

Burial - placement of human remains after death, generally in hollow trees, caves or sand deposits or by interment in mounds.

Carved tree - trees with Aboriginal carvings that were typically used as markers for ceremonial or symbolic areas, including burials.

Chalcedony - a compact variety of silica, formed of quartz crystallites, often fibrous in form and with sub-microscopic pores that contain water (about 1% of weight). Coloured varieties include carnelian (yellow-brown), sard (brown), agate (multicoloured) and jasper (red). Chalcedony can form veins or it can occur as pseudomorphs, resulting from solution infiltrating voids or cavities in rock, sometimes by gradually replacing decaying organic matter. Chalcedony, like fine quality chert, was a valued stone tool material.

Chert - a highly siliceous rock type formed biogenically from the compaction and precipitation of the silica skeletons of diatoms. Normally there is a high percentage of cryptocrystalline quartz. This rock type breaks by the process of conchoidal fracture and provides flakes that have sharp, durable edges.

Chord - the cutting edge of a microlith.

Cobble - waterworn stones of diameter greater than 64 millimetres and less than 256 millimetres. Archaeologists often refer to cobbles as pebbles (refer also to *pebble*).

Conjoin analysis - refitting or 'conjoining' artefacts assists with reconstructing prehistoric events (such as tool manufacture, tool use activities and cutting-edge rejuvenation) and determining chronology and assessing site integrity.

Core (synonymous with *nucleus*) - a piece of stone, often a cobble or pebble, but also quarried stone, which has been used for striking flakes. These flakes are called 'primary flakes' and may be further shaped by finer flaking, called 'retouch'. The term 'nucleus' refers to cores and flakes or cores that have been retouched.

Core fragment - a portion of a core, typically retaining one or more flake scars but not the platform.

Cortex amount - amount of the original weathered surface of the stone material, expressed as a percentage of the item's dorsal surface for flakes or total surface for other items.

Cortex type - nature of the original weathered surface of the stone material. Three types are identified: pebble or waterworn (rounded waterworn surface), tabular (smooth tabular shaped surface, may be waterworn) and terrestrial (rough cortex not consistent with tabular or waterworn surface).

Culturally significant site or area - Sites of cultural significance to Aboriginal people (excluding the contemporary significance attached to other site types) including:

- Sites or places associated with ceremonies, spiritual/mythological beliefs and traditional knowledge, which date from the pre-contact period and have persisted until the present time;
- Sites or places associated with historical associations, which date from the post-contact period and are remembered by people today (for example, plant and animal resource use areas and known camp sites); and
- Sites or places of contemporary significance (apart from those areas for which Aboriginal objects remain), for which the significance has been acquired in recent times.

Debitage - commonly used term for the discarded debris from stone flaking. Usually there is a large quantity of flaking refuse or 'debitage' for every finished stone implement.

Detection limiting factors - factors that act to reduce *surface visibility* and *archaeological visibility.*

Discard - in relation to lithic scatters, discard means the incidental, intended or accidental placement of a lithic item on the ground surface.

Discard event - refer to *activity event.*

Distal portion or end - the end of a flake or microblade (opposite to point of fracture origin on the ventral surface).

Distance to watercourse - as estimated from the closest part of the *survey area* or *site* to the nearest watercourse, in classes of <50 metres or >50 metres. Within many *survey areas* the distance to watercourse varied.

Dorsal face/facet - the outside surface(s) of a flake, opposite the inside (bulbar or ventral) surface, created during the formation of the flake (refer also to *ventral face*).

Drainage depression - landform element that typically comprises a shallow open depression with smoothly concave cross-section, rising to moderately inclined side slopes, eroded or aggraded by sheetwash (after McDonald *et al* 1984). For the purposes of the survey, this unit also includes gullies (drainage depressions subjected to gully erosion), along with ground approximately 50 metres either side of the centre of the drainage depression.

Edge rounding - rounding wear along the cutting edge of a stone tool resulting from its use. This use-wear can be described as continuous or discontinuous and moderate or pronounced (refer also to *use-wear*).

Effective site area - a measure of the area of a *site* containing visible ground with potential for Aboriginal heritage items to occur. Calculated for each *site* by multiplying the *visible site area* with the percentage of the locus physically inspected and with *mean archaeological visibility*.

Effective survey coverage - a measure of the quantity of visible ground surface physically inspected within a *sample area*, with potential to contain Aboriginal heritage evidence. Calculated by multiplying the *total sample area* of a *survey area* with the percentage of *archaeological visibility*. For a *total sample area* that includes multiple exposures, the *effective survey coverage* of each exposure was calculated separately and added to produce the reported figure.

Elongated flake - a flake at least twice as long as it is broad (by percussion axis).

Environmental context - discrete, recurring areas of land in which the same combination of landform element and class of slope are present.

Environmental/cultural context - a specific context that exists (generally within an individual archaeological terrain unit), that may host a different range of evidence (reflecting different types and frequencies of activities) than other locations within the same archaeological terrain unit or environmental context. For example, a particular spur crest may lead from a ridgeline used for transitory movement to a camp site bordering a food resource, whereas another spur crest may lead to a stone material source. Individual survey areas on these spur crests may host different types and proportions of evidence, reflecting different ways in which these landforms were utilised.

Exposure type - identification during the field survey of exposed soil units; eg. A horizon, A and B horizons or B horizon.

Flake - a complete or substantially complete piece of lithic material detached from a core (nucleus), usually with evidence of hard indenter initiation, or occasionally bending initiation. The flake's primary fracture surface (ventral or inside surface) exhibits features such as fracture initiation, bulb of force, and undulations and lances. Very occasionally a conchoidal flake comprises only a bulb of force.

Flake - distal - a flake portion without its area of fracture initiation but with general shape characteristics and/or fracture surface attributes (usually conchoidal markings) indicating its status as an artefact fragment.

Flake - longitudinal - a flake longitudinally fractured from its proximal to its distal end. The breakage may be slightly tangential but are mostly axial in orientation. Such breakages tend to occur during knapping (such as longitudinal cone splits) rather than through post-depositional processes.

Flake - medial - a mid portion of a flake, without the proximal or distal ends.

Flake portion - medial, proximal, longitudinal or distal portion of the original flake.

Flake - proximal - the proximal portion of a flake retaining its area of primary fracture initiation, including 'step terminated flakes'.

Flaked piece - refer to 'lithic fragment'.

Flat - landform element that is neither a crest nor a depression and is level or very gently inclined (after McDonald *et al* 1984).

Fracture - where the cause of a break is identified as likely to stem from faults or cleavage within the lithic material.

Freehand percussion - striking a core held in one hand with a hammer (usually stone) held in the other.

Geology - underlying geological formation as identified on geological mapping.

Geometric microlith - a group of microliths distinguished by their various geometric plan-shapes such as triangle, trapeze and rectangle.

Grinding grooves - elongated narrow depressions in soft rocks (particularly sedimentary), generally associated with watercourses. The shaping and sharpening of edge ground hatchets creates the depressions.

Ground disturbance - an estimate of the extent of recent human impacts and impacts of natural processes, noted in low, moderate or high categories, modified after McDonald *et al* (1984:69). The low category includes no effective disturbance, minor vegetation removal and low intensity grazing and minimal erosion. The moderate category includes extensive vegetation removal, improved pasture grasses and moderate levels of erosion. The high category includes complete vegetation removal and cultivation, extensive erosion and areas where the A horizon soil has been removed.

Hammerstone - a piece of stone used as a hammer to detach flakes from a core or in applying controlled pressure when retouching a tool's edge. Stone hammers are often quartzite or a volcanic stone, round or oval in shape, with concentrated hammer impact damage on at least one side or end. The presence of use-wear often is the only diagnostic attribute of this tool type.

Heat fracture - fractures cause by heating the stone, either from natural causes, a camp fire, or intentional heat treatment. Also termed *heat shatter* and *thermal fracture*. Attributes indicating heat fracture include colour change, crazing, potlidding and rugose fracture surface topography.

Heat treatment - the intentional slow heating of stone, such as silcrete, to alter its structure (such as homogenising the matrix) and thereby improve its flaking properties.

Hillock - a hill top or crest, the crest length being less than the width of the landform element (after McDonald *et al* 1984).

Implement (of stone) - synonym for a *stone tool*, usually denoting a tool that has been shaped by flaking (retouch).

Indurated mudstone - refer to *tuff*.

Indurated rhyolitic tuff - refer to *tuff*.

Initiation surface/platform - the surface of a stone that is struck with a hammerstone at a low angle, for the purpose of detaching a flake. This surface is where a flake-forming crack commences; commonly part of it is retained on the flake. The load applied to this surface may be delivered by a hammerstone or by continuous increasing pressure with a length of dense wood or bone.

Investigation area - in relation to the present Project, the area defined by the client and marked on Appendix 1 with an orange outline as the area for assessment. In relation to Aboriginal heritage, the *investigation area* comprises an *unmodified investigation area* with potential for heritage evidence and a *modified investigation area* of negligible heritage potential.

Ironstone - a fine-grained, heavy and compact sedimentary rock, with the main components being the carbonate or oxide of iron, clay and/or sand.

Knapping floor - a series of flaking events (refer to *knapping event*) that are generally defined as involving a single stone core (but sometimes multiple cores of the same or different materials) and resulting in the deposition of stone flaking debris that may be later recorded in discrete areas or be mixed by post-depositional processes.

Knapping event - a single act of flaking a piece of stone, resulting in the *in-situ* deposition of stone flaking debris. Such an event may occur as part of a series of events (refer to *knapping floor*).

Landform element - specific type of topographical feature, following the definitions of McDonald *et al* (1984).

Land surface - type of exposure as observed during the field survey.

Lateral margin - the thin sides of a flake or microblade.

Lithic - in an archaeological context, items of a hard, usually siliceous, stone of a type selected by Aborigines for tool making. These items are often nondescript fragments, but some are finely shaped implements.

Lithic assemblage (of stone) - a collection of whole and fragmentary stone artefacts and manuports obtained from an archaeological site, either by collecting items scattered on the present ground surface (refer to *artefact scatter*) or by controlled excavation (refer also to *stone artefact*).

Lithic fragment - (or *flaked piece*) - a flaked piece of stone which lacks sufficient morphological attributes to identify it as a flake (a positive scar) or a core (only negative flake scars) or other specific type.

Lithic item - a piece of stone exhibiting fracture surfaces and not identified as a natural piece of stone.

Lithic item type - formal category of an artefact (including lithic fragments).

Lithic quarry - a site of stone procurement, typically used in the specific sense to refer to outcrops of bedrock, where there is clear evidence of procurement activity such as pits, discarded hammerstones and large deposits of primary flaking debris. Refer also to *quarry, stone procurement site*.

Loss or discard of non-microlith tools - activity category comprising the loss or intentional discard after use or caching for future use of implements other than microliths.

Loss or intentional discard of microliths - activity category comprising the discard of microlithic implements either during manufacture, after use or unintentionally.

Mean archaeological visibility of site - an estimate of the mean visible ground surface within a *site* that has potential to contain evidence of Aboriginal heritage (expressed as a percentage of the *visible site area*).

Mean artefact density - the average number of surface artefacts recorded within each square metre of visible ground surface with potential to contain Aboriginal artefacts that is physically inspected within a sample area (eg. a site locus or a survey area). Obtained by dividing the *number of artefacts* by the *effective sample area* and expressed as a number of artefacts per square metre of effective sample area.

Mean surface visibility - an estimate of the mean visible ground surface within a *sample area.*

Microblade - an elongated flake with one or more longitudinal ridges and a length greater than twice the width. This type of specialised flake is detached from a microblade core. They were probably fashioned into spear barbs, during recent prehistoric times.

Microblade core - a small core from which regularly shaped bladelets have been struck. Some microblade cores have only one or two microblade facets; others have numerous facets emanating from more than one striking platform.

Microblade production - activity category describing a method of making small implements (eg. bondi points, geometric microliths) from regular blades struck from a small core.

Microlith - (synonymous with *backed blade*) - a variety of small, delicately retouched implements of various shapes, such as asymmetric (bondi) point, segment, crescent, triangle, trapeze, rectangle and oblique ended. These implements probably functioned as spear barbs.

Microlith production- backing retouch of microliths.

Modified investigation area - in relation to the present Project, the portion of the *investigation area* that has been extensively impacted by earthmoving works, such that there is negligible potential for any Aboriginal heritage evidence to survive. The *modified investigation area* comprises approximately 27% of the *investigation area*.

Mudstone - a sedimentary rock typically consisting of more than 50% clay and silt. It is the lithified equivalent of mud. The term is often used when it is not possible to define the rock more precisely as a claystone, siltstone or shale.

Negative - a scar on an artefact (usually concave) caused by the removal of a flake.

Non-specific stone flaking - activity category of general or non-specific knapping activity. Artefacts do not identify a more specific activity. Includes debitage from primary flaking and from making flake tools.

Order of watercourse - the order of the watercourse (1st, 2nd, 3rd etc.), after McDonald *et al* (1984), as determined by observations in the field or analysis of base mapping.

Pebble - a waterworn stone less than 64 mm in diameter. Refer also to *cobble*.

Platform faceting - a series of flakes removed transversely, to set up the platform of a microblade core. These flake detachments create ridges where the margins of the scars meet or overlap, and such ridges provide surface prominences that are the hammerstone's point of contact. These ridges allow for more precise flaking of microblades.

Platform preparation - flaking the surface of a core's initiation platform (*platform faceting*) and removal of any overhanging edge (spur removal) to create a suitable topography and geometry for microblade detachment.

Potential resource - archaeological evidence predicted to occur through application of a predictive model of site location.

Potlid - a piece of lithic material that has a generally convex or dome-shaped ventral surface, often with evidence of fracture initiation from a location within the surface and not from the edge. Detached by heating and cooling, not percussive blows.

Project - in relation to the present assessment, the Maitland to Minimbah Third Track Project.

Project area - refer to *investigation area*.

Proximal - the top part of a flake, beginning with the initiation surface or ridge. Likewise for an implement (or tool). The opposite end of the flake is termed the distal end.

Quarry (lithic quarry, stone procurement site) - a general term for the location of an exploited stone source (Hiscock and Mitchell 1993:32). Often in archaeological studies it is used in a more specific sense, to refer to places where stone was obtained by excavation from a bedrock source (*lithic quarry*). Refer also to *Ochre quarry*.

Quartz - a mineral composed of crystalline silica (SiO2). Quartz is a very stable mineral that does not alter chemically during weathering or metamorphism. It is hard, usually colourless or white ('milky'). In its massive form quartz occurs as geodes or veins, from which pebbles are formed by weathering. Despite the often unpredictable nature of fracture in quartz, the flakes tend to have sharp edges. Flakes made from quartz were widely used in Australia as convenient light-duty cutting tools.

Quartzite - a hard, silica rich stone formed from sandstone that has been recrystallised by heat (metaquartzite) or strengthened by slow infilling of silica in the voids between sand grains (orthoquartzite). The essential difference between sandstone and quartzite is that a major fracture will propagate around the larger grains in sandstone and through the grains in quartzite.

Reduction process - the process of removing flakes from a core, or manufacturing an implement by flaking and/or grinding, or progressively rejuvenating a tool's working edge.

Reduction strategy - strategy of flaking and/or grinding a piece of stone in predetermined stages to produce an implement.

Residues on stone tools - residue analysis concerns the identification of tool use activities from preserved organic and inorganic residues of worked materials. These residues may be compacted into small flake scars on the edges of utilised artefacts or adhere strongly to their surfaces.

Retouch or *retouching* - an area of flake scars on an artefact resulting from intentional shaping or resharpening of a stone tool. In resharpening a cutting edge, the retouch is invariably found only on one side.

Retouched flake - an artefact or portion of an artefact from which flakes have been removed after the manufacture of the original flake.

Retouched utilised flake - retouched flake which displays macroscopic evidence of use.

Retouched piece - an artefact from which flakes have been removed after the manufacture of the original flake, but which lacks sufficient morphological attributes to identify it as a flake or other artefact type.

Ridge crest - landform element that stands above most or all of the surrounding points in the adjacent terrain, typically smoothly convex upwards and with a length greater than the width of the landform element (after McDonald *et al* 1984).

Sandstone - a cemented or compacted rock consisting of detrital grains, which range in size from 1/16 mm to 2 mm in diameter. Quartz typically comprises the majority of grains. The grains can be bound together by a cement of silica, carbonate or other minerals, or a matrix of clay minerals. The nature of the cement is denoted by terms such as argillaceous (clayey), calcareous, ferruginous and tuffaceous sandstone.

Scarred tree - scarred trees contain scars caused by the removal of bark for use in manufacturing canoes, containers, shields or shelters. Other trees may exhibit carvings made in relation to burial practices or spiritual beliefs (refer to *carved tree*).

Silcrete - a brittle, intensely indurate rock composed mainly of quartz clasts cemented by a matrix which may be well-crystallised quartz, cryptocrystalline quartz or amorphous (opaline) silica (Langford-Smith 1978:3). The texture of silcrete reflects that of the host rock and clasts may range in size from very fine grains to boulders. Silcrete is produced by an absolute accumulation of silica, which is made available by chemical weathering. The formation of silcrete therefore requires the removal of most elements, other than silicon, in the host material. Silcrete is normally grey in colour, but can be whitish, red, brown or yellow. It shatters readily into sharp, angular pieces with a conchoidal fracture and newly broken rocks have a semi-vitreous sheen (Langford-Smith 1978:4).

Simple slope - slope landform element adjacent below a crest or flat and adjacent above a flat or depression (after McDonald *et al* 1984). For the purposes of the survey, this unit also includes *upper slopes, mid-slopes* and *lower slopes* as these become problematic to differentiate on the surface or on base mapping.

Site - location of evidence of Aboriginal occupation.

Site integrity - the extent to which the distribution of site contents corresponds to their spatial relationships at the time of deposition. Subsequent to deposition, a range of post-depositional processes affect the spatial relationships of items, and therefore site integrity.

Size class - artefact size as the maximum measurement in any direction, in units of 10 mm. For example, class '1' equals items with a maximum dimension of up to 10 mm and size class '2' equals items with a maximum dimension of between 10 and 20 mm.

Slope (class of slope) - gradient delineated after McDonald *et al* (1984):

Class 1 (level/very gentle) - level to very gently inclined slopes <1°45´;
Class 2 (gentle) - gently inclined slopes >1°45´ and <5°45´; and
Class 3 (moderate) - moderately inclined slopes >5°45´ and <18°.

Spur crest - landform element comprising a *ridge crest* that descends from a dominant or main ridge crest to adjacent lower lying terrain.

Stone arrangement - stone arrangements include circles, mounds, lines or other patterns of stone arranged by Aboriginal people.

Stone artefact - a piece of stone with evidence of intentional human modification.

Stone material - the geological type of stone from which an artefact is made. Synonymous with ‘lithic material’, ‘stone type’ and ‘raw material’, the latter of which is a less specific but commonly used term.

Stone procurement site (quarry) - a general term for the location of an exploited stone source. Sources can vary from alluvial gravels (where there may be little or no archaeological evidence of human activity) to extensively quarried outcrops of bedrock, where there is clear evidence of procurement activity such as pits, discarded hammerstones and large deposits of primary flaking debris (refer also to *quarry, lithic quarry*).

Stone tool - a piece of flaked or ground stone used in an activity or fashioned for use as a tool. A synonym of stone tool is *implement*, which is more often used to describe a flake tool fashioned by more delicate flaking (retouch).

Sub-surface deposit - identified or predicted deposits of artefacts buried under the surface, both in open contexts and within rock shelters.

Surface visibility - a mean estimate of the percentage of visible ground surface within a *total sample area* or a *site*. Where a single component's *sample area* is comprised of multiple exposures, the surface visibility was recorded separately and the range of the surface visibility percentages noted in the survey or site database.

Survey area - an area sampled during the present survey, consisting of a single *archaeological terrain unit* that is bounded on all sides by different archaeological terrain units.

Tabular cortex - weathered surface of a tabular shaped cobble.

Terrace - a former flood plain on which erosion and aggradation by channelled and over-bank stream flow is barely active or inactive because deepening or enlargement of the stream channel has lowered the level of flooding (after McDonald *et al* 1984).

Total sample area - the quantity of ground surface within a survey area physically inspected in such a manner as to reliably enable the detection of heritage evidence.

Tuff - lithified volcanic ash with a chemical composition of rhyolite. This stone has been commonly misidentified as *indurated mudstone* and *chert*. Tuff is composed of fine ash which has been hurled from the vent of a volcano during a violent explosive eruption. The tuff is rhyolitic in chemical composition, being comprised of quartz and potassium-feldspar, sometimes with layer silicates. After settling to the land, or more likely ponded water, the tuff undergoes recrystallisation at low pressures. This 'indurated' rhyolitic tuff exhibits conchoidal fractures. Colour is predominantly grey but variation occurs when mineral bearing solutions pass through the rock and some minerals (eg. goethite) precipitate out. Some tuff deposits show graded bedding, not unlike that of some sedimentary rocks. Lateral sorting also tends to occur, with coarser material settling closer to the volcanic vent and finer material further away.

Unmodified investigation area - in relation to the present Project, the portion of the *investigation area* in which Aboriginal heritage may exist. The *unmodified investigation area* comprises approximately 73% of the *investigation area*.

Use-wear - microscopic and macroscopic damage to the surfaces of a stone implement resulting from its use. Examination for use-wear is aided by low-magnification microscopy. Major use-wear forms are edge fractures, use-polish and smoothing, abrasion, and edge rounding and bevelling.

Utilised flake/microblade or piece - a flake or microblade or piece displaying utilisation wear along one or more edges from use as a hand-held tool or as part of a composite wood and stone implement or weapon. The wear may be edge-rounding, surface polish, abrasive smoothing or abrasion such pitting and scratching ('striations').

Valley flat - a compound landform element comprising a gently inclined to level flat, aggraded or occasionally eroded by channelled or over-bank stream flow, typically enclosed by hill slopes (after McDonald *et al* 1984). For the purposes of the survey, this unit also includes stream beds, stream banks and stream channels where they exist within a valley flat.

Vegetation - in a survey context, the present vegetation structure as identified in the field.

Ventral face - the inside surface of a flake created during the flake's formation. The speed of the fracture ranges from about 200 metres to over 1000 metres per second (refer also to *dorsal face*).

Visible extent of artefacts - for each *site*, the approximate dimensions of the area in which artefacts are visible.

Visible extent of surface exposures - the approximate dimensions of a surface exposure in which a *site* has been identified.

Visible site area - for each *site*, the gross surface area in which artefacts are visible, calculated by multiplying the dimensions of the *visible extent of artefacts*.

Volcanic - rocks produced from the discharge of volcanic matter. Includes crystalline rock, such as granite, formed by the consolidation of magma, and fine-grained igneous rocks that result from more rapid cooling (eg. basalt).

Waterworn (pebble) cortex - the topographically smooth weathered surface of a stone, which occurs with a continuous curve.