

Water Monitoring - Teralba Quarry - 2019 - EPA Point No.4 - Adit Overflow														
Sample No.	Dates	EPA No 4 - 161AB		EPA No 4 - 161AB		EPA No 4 -		EPA No 4 -		EPA No 4 -		EPA No 4 -		
		January 2019.		February 2019.		March 2019.		April 2019.		May 2019.		June 2019.		
Sample	Units	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Guidelines
0														
pH	ph Unit	7.12		7.45		7.18		7.82		7.05		7.37		6.5 to 8.5 units
Conductivity	µS/cm	2130		2140		2310		2020		2170		779		125 - 2200 <sup>b</sup>
TSS	mg/L	8		<5		<5		<5		11		105		<50
Oil & Grease	mg/L	<5		<5		<5		<5		<5		<5		5
Aluminium	mg/L													0.2
Ammonia as N	mg/L													0.01
Antimony	mg/L													NA
Arsenic	mg/L													0.05
Barium	mg/L													1
Beryllium	mg/L													NA
Boron	mg/L													1
Cadmium	mg/L													0.005
Calcium	mg/L													1000 <sup>c</sup>
Chromium	mg/L													0.05
Cobalt	mg/L													1000
Copper	mg/L													1
Iron	mg/L													0.3
Lead	mg/L													0.05
Lithium	mg/L													0.075 <sup>d</sup>
Magnesium	mg/L													NA
Manganese	mg/L													0.1
Mercury	mg/L													0.001
Molybdenum	mg/L													0.15 <sup>c</sup>
Nickel	mg/L													0.1
Phosphorous as P	mg/L													NA
Potassium	mg/L													NA
Selenium	mg/L													0.01
Silica as SiO2	mg/L													NA
Silver	mg/L													0.05
Sulfur as S	mg/L													NA
Tin	mg/L													NA
Titanium	mg/L													NA
Vanadium	mg/L													NA
Zinc	mg/L													NA

Indicates result Indicates results that varied between filtered and unfiltered samples

ND = Not Determined

NA = Not Applicable

<sup>a</sup> Based on ANZECC Guidelines for Fresh and Marine Water Quality - Recreational Water Quality (ANZECC 2000) except where indicated

<sup>b</sup> Based on ANZECC Guidelines slightly disturbed lowland river ecosystems in south-east Australia (ANZECC 2000)

<sup>c</sup> Based on ANZECC Guidelines for Fresh and Marine Water Quality -Livestock Water Quality (ANZECC 2000)

<sup>d</sup> Based on ANZECC Guidelines for Fresh and Marine Water Quality -Irrigation Water Quality (ANZECC 2000)



Water Monitoring - Teralba Quarry - 2019 - EPA Point No.5 - Overflow Dam B														
Sample No.	Dates	EPA No 5 - 161C		February 2019.		March 2019.		April 2019.		May 2019.		June 2019.		Guidelines
		Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	
0	Units													
pH	ph Unit	7.26		No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA Point 5	6.5 to 8.5 units
Conductivity	µS/cm	1110		No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	125 - 2200 <sup>b</sup>
TSS	mg/L	6		No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	<50
Oil & Grease	mg/L	Not Sampled		No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	No Water Discharge at EPA P	5
Aluminium	mg/L													0.2
Ammonia as N	mg/L													0.01
Antimony	mg/L													NA
Arsenic	mg/L													0.05
Barium	mg/L													1
Beryllium	mg/L													NA
Boron	mg/L													1
Cadmium	mg/L													0.005
Calcium	mg/L													1000 <sup>c</sup>
Chromium	mg/L													0.05
Cobalt	mg/L													1000
Copper	mg/L													1
Iron	mg/L													0.3
Lead	mg/L													0.05
Lithium	mg/L													0.075 <sup>d</sup>
Magnesium	mg/L													NA
Manganese	mg/L													0.1
Mercury	mg/L													0.001
Molybdenum	mg/L													0.15 <sup>c</sup>
Nickel	mg/L													0.1
Phosphorous as P	mg/L													NA
Potassium	mg/L													NA
Selenium	mg/L													0.01
Silica as SiO2	mg/L													NA
Silver	mg/L													0.05
Sulfur as S	mg/L													NA
Tin	mg/L													NA
Titanium	mg/L													NA
Vanadium	mg/L													NA
Zinc	mg/L													NA

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Daily Discharge EPA No.6				
Date	Metromix Sample No.	pH	Suspended Solids (mg/L)	Comments
Jan-19	<b>No Water Discharge at EPA Point 6</b>			
Feb-19	<b>No Water Discharge at EPA Point 6</b>			
Mar-19	<b>No Water Discharge at EPA Point 6</b>			
May-19	<b>No Water Discharge at EPA Point 6</b>			
Jun-19	<b>No Water Discharge at EPA Point 6</b>			
Jul-19	<b>No Water Discharge at EPA Point 6</b>			
Aug-19	<b>No Water Discharge at EPA Point 6</b>			
Sep-19	<b>No Water Discharge at EPA Point 6</b>			
Oct-19	<b>No Water Discharge at EPA Point 6</b>			
Nov-19	<b>No Water Discharge at EPA Point 6</b>			
Dec-19	<b>No Water Discharge at EPA Point 6</b>			

Daily Discharge EPA No.7				
Date	Metromix Sample No.	pH	Suspended Solids (mg/L)	Comments
Jan-19	<b>No Water Discharge at EPA Point 7</b>			
Feb-19	<b>No Water Discharge at EPA Point 7</b>			
Mar-19	<b>No Water Discharge at EPA Point 7</b>			
May-19	<b>No Water Discharge at EPA Point 7</b>			
Jun-19	<b>No Water Discharge at EPA Point 7</b>			
Jul-19	<b>No Water Discharge at EPA Point 7</b>			
Aug-19	<b>No Water Discharge at EPA Point 7</b>			
Sep-19	<b>No Water Discharge at EPA Point 7</b>			
Oct-19	<b>No Water Discharge at EPA Point 7</b>			
Nov-19	<b>No Water Discharge at EPA Point 7</b>			
Dec-19	<b>No Water Discharge at EPA Point 7</b>			