

Water Monitoring - Teralba Quarry - 2018 - EPA Point No.4 - Adit Overflow														Guidelines
	Sample No.	EPA No 4 - 148 ABCDE		EPA No 4 - 149 ABCDE		EPA No 4 - 150 ABCDE		EPA No 4 - 151 AB		EPA No 4 - 152AB		EPA No 4 - 153AB		
	Dates	January 2018.		February 2018.		March 2018.		April 2018.		May 2018.		June 2018.		
0		Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	
Sample	Units													
pH	ph Unit	7.1		7.17		7.19		7.17		7.31		7.22		6.5 to 8.5 units
Conductivity	µS/cm	2160		2280		2430		2270		2090		2150		125 - 2200 ^b
TSS	mg/L	<5		7		<5		16		<5		<5		<50
Oil & Grease	mg/L	<5		<5		<5		<5		<5		<5		5
Aluminium	mg/L	0.01	<0.01	0.04	<0.01	0.02	<0.01							0.2
Ammonia as N	mg/L	0.07		0.2		0.01								0.01
Antimony	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							NA
Arsenic	mg/L	0.002	0.002	0.002	0.001	0.001	0.001							0.05
Barium	mg/L	0.041	0.036	0.033	0.032	0.029	0.029							1
Beryllium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							NA
Boron	mg/L	0.16	0.18	0.17	0.15	0.16	0.17							1
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001							0.005
Calcium	mg/L		57		53		56							1000 ^c
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							0.05
Cobalt	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001							1000
Copper	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							1
Iron	mg/L	0.29	<0.05	0.31	<0.05	0.23	<0.05							0.3
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							0.05
Lithium	mg/L	0.044	0.049	0.041	0.035	0.037	0.037							0.075 ^d
Magnesium	mg/L	64	59	60	60	68	65							NA
Manganese	mg/L	0.344	0.344	0.245	0.242	0.200	0.194							0.1
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001							0.001
Molybdenum	mg/L	0.003	0.003	0.004	0.002	0.002	0.002							0.15 ^e
Nickel	mg/L	0.007	0.006	0.005	0.004	0.005	0.006							0.1
Phosphorous as P	mg/L	<0.01		<0.01		<0.01								NA
Potassium	mg/L		8		8		8							NA
Selenium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							0.01
Silica as SiO2	mg/L	16.4	16.6	16.5	15.5	15.8	15.6							NA
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							0.05
Sulfur as S	mg/L		100		123		131							NA
Tin	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001							NA
Titanium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							NA
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							NA
Zinc	mg/L	<0.005	0.01	<0.005	<0.005	<0.005	<0.005							NA

Indicates result Indicates results that varied between filtered and unfiltered samples

ND = Not Determined

NA = Not Applicable

^a Based on ANZECC Guidelines for Fresh and Marine Water Quality - Recreational Water Quality (ANZECC 2000) except where indicatec

^b Based on ANZECC Guidelines slightly disturbed lowland river ecosystems in south-east Australia (ANZECC 2000)

^c Based on ANZECC Guidelines for Fresh and Marine Water Quality -Livestock Water Quality (ANZECC 2000)

^d Based on ANZECC Guidelines for Fresh and Marine Water Quality -Irrigation Water Quality (ANZECC 2000)

Water Monitoring - Teralba Quarry - 2018 - EPA Point No.5 - Overflow Dam B														
	Sample No.													
	Dates	January 2018.		February 2018.		March 2018.		April 2018.		May 2018.		June 2018.		
0		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
Sample	Units													
pH	ph Unit													6.5 to 8.5 units
Conductivity	µS/cm	No Water Discharged		No Water Discharged		No Water Discharged		No Water Discharged		No Water Discharged		No Water Discharged		125 - 2200 ^b
TSS	mg/L													<50
Oil & Grease	mg/L													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 ^c
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 ^d
Magnesium	mg/L													NA
Manganese	mg/L													0.1
Mercury	mg/L													0.001
Molybdenum	mg/L													0.15 ^e
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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Water Monitoring - Teralba Quarry - 2018 - EPA Point No.5 - Overflow Dam B														
								EPA No 5 - 218 AB						
	Sample No.													
	Dates	July 2018.		August 2018.		September 2018.		October 2018.		November 2018.		December 2018.		
0		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
Sample	Units	No Water Discharged		No Water Discharged		No Water Discharged		6.88		No Water Discharged		No Water Discharged		6.5 to 8.5 units
pH	ph Unit	No Water Discharged		No Water Discharged		No Water Discharged		6.88		No Water Discharged		No Water Discharged		6.5 to 8.5 units
Conductivity	µS/cm							1220						125 - 2200 ^b
TSS	mg/L							<5						<50
Oil & Grease	mg/L							<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 ^c
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 ^d
Magnesium	mg/L													NA
Manganese	mg/L													0.1
Mercury	mg/L													0.001
Molybdenum	mg/L													0.15 ^e
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-18	No Water Discharge at EPA Point 6			
Feb-18	No Water Discharge at EPA Point 6			
Mar-18	No Water Discharge at EPA Point 6			
Apr-18	No Water Discharge at EPA Point 6			
May-18	No Water Discharge at EPA Point 6			
Jun-18	No Water Discharge at EPA Point 6			
Jul-18	No Water Discharge at EPA Point 6			
Aug-18	No Water Discharge at EPA Point 6			
Sep-18	No Water Discharge at EPA Point 6			
Oct-18	No Water Discharge at EPA Point 6			
Nov-18	No Water Discharge at EPA Point 6			
Dec-18	No Water Discharge at EPA Point 6			

Daily Discharge EPA No.7				
Date	Metromix Sample No.	pH	Suspended Solids (mg/L)	Comments
Jan-18	No Water Discharge at EPA Point 7			
Feb-18	No Water Discharge at EPA Point 7			
Mar-18	No Water Discharge at EPA Point 7			
Apr-18	No Water Discharge at EPA Point 7			
May-18	No Water Discharge at EPA Point 7			
Jun-18	No Water Discharge at EPA Point 7			
Jul-18	No Water Discharge at EPA Point 7			
Aug-18	No Water Discharge at EPA Point 7			
Sep-18	No Water Discharge at EPA Point 7			
Oct-18	No Water Discharge at EPA Point 7			
Nov-18	No Water Discharge at EPA Point 7			
Dec-18	No Water Discharge at EPA Point 7			