

<b>Licensee:</b>	Sumitomo Metal Mining Oceana P/L	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
	CMOC Mining Pty Ltd	<b>Sampled:</b> 27/03/2023	26/06/2023	4/08/2023	
	SC Mineral Resources Pty Ltd	<b>Obtained:</b> 5/04/2023	5/07/2023	14/08/2023	
<b>EPL No.:</b>	4784	<b>Published:</b> 17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Minimum Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
1 (W14)	Yearly	Aluminum	mg/L	0.01	0.02	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.036	0.071	0.079
	Yearly	Beryllium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	368	295	306
	Yearly	Cadmium	mg/L	0.0002	0.0002	0.0002
	Yearly	Calcium	mg/L	137	123	154
	Yearly	Chloride	mg/L	1050	861	888
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	5250	4155	4057
	Quarterly	Copper	mg/L	0.012	0.014	0.015
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	171	112	126
	Yearly	Molybdenum	mg/L	0.024	0.036	0.038
	Yearly	Nickel	mg/L	0.002	0.001	0.001
	Quarterly	pH	pH	7.6	6.89	7.56
	Yearly	Potassium	mg/L	5	7	9
	Yearly	Selenium	mg/L	0.01	0.01	0.01
	Yearly	Sodium	mg/L	980	653	767
	Quarterly	Standing Water Level	m	270.93	270.36	270.10
	Yearly	Sulfate	mg/L	1350	857	747
	Yearly	Total dissolved solids	mg/L	4060	3140	2990
Yearly	Zinc	mg/L	0.031	0.032	0.048	

<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Sampled:</b> 27/03/2023	26/06/2023	4/08/2023	
<b>Obtained:</b> 5/04/2023	5/07/2023	14/08/2023	
<b>Published:</b> 17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
2 (W19)	Yearly	Aluminum	mg/L	0.01	0.01	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.266	0.304	0.292
	Yearly	Beryllium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	54	64	82
	Yearly	Cadmium	mg/L	0.0002	0.0001	0.0002
	Yearly	Calcium	mg/L	1630	1720	1650
	Yearly	Chloride	mg/L	5110	4640	4810
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.003
	Quarterly	Conductivity	µS/cm	13543	13136	12051
	Quarterly	Copper	mg/L	0.01	0.012	0.011
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	52	62	74
	Yearly	Molybdenum	mg/L	0.004	0.003	0.005
	Yearly	Nickel	mg/L	0.004	0.008	0.06
	Quarterly	pH	pH	7.04	6.54	7.04
	Yearly	Potassium	mg/L	7	6	8
	Yearly	Selenium	mg/L	0.01	0.01	0.01
	Yearly	Sodium	mg/L	1110	1180	1200
	Quarterly	Standing Water Level	m	253.08	254.96	255.2
	Yearly	Sulfate	mg/L	707	747	614
	Yearly	Total dissolved solids	mg/L	12700	11400	11700
Yearly	Zinc	mg/L	0.042	0.035	0.091	

	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Sampled:</b>	27/03/2023	26/06/2023	4/08/2023	
<b>Obtained:</b>	5/04/2023	5/07/2023	14/08/2023	
<b>Published:</b>	17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
3 (W21)	Yearly	Aluminum	mg/L	0.01	0.01	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.068	0.057	0.062
	Yearly	Beryllium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	96	90	88
	Yearly	Cadmium	mg/L	0.0003	0.0002	0.0002
	Yearly	Calcium	mg/L	1140	1130	1180
	Yearly	Chloride	mg/L	8650	9590	9280
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	24112	25201	25017
	Quarterly	Copper	mg/L	0.024	0.008	0.001
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	762	702	748
	Yearly	Molybdenum	mg/L	0.004	0.006	0.004
	Yearly	Nickel	mg/L	0.004	0.001	0.001
	Quarterly	pH	pH	7.83	6.68	7.32
	Yearly	Potassium	mg/L	7	7	8
	Yearly	Selenium	mg/L	0.01	0.01	0.01
	Yearly	Sodium	mg/L	4370	4140	4340
Quarterly	Standing Water Level	m	270.98	270.37	270.94	
Yearly	Sulfate	mg/L	2060	2240	1460	
Yearly	Total dissolved solids	mg/L	23100	28100	22600	
Yearly	Zinc	mg/L	0.084	0.019	0.041	

	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Sampled:</b>	27/03/2023	26/06/2023	4/08/2023	
<b>Obtained:</b>	5/04/2023	5/07/2023	14/08/2023	
<b>Published:</b>	17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
4 (W23)	Yearly	Aluminum	mg/L	0.01	0.02	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.027	0.025	0.028
	Yearly	Beryllium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	426	409	426
	Yearly	Cadmium	mg/L	0.0003	0.0003	0.0003
	Yearly	Calcium	mg/L	350	338	362.0
	Yearly	Chloride	mg/L	4380	4510	4730
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.035	0.044	0.036
	Quarterly	Conductivity	µS/cm	13555	13771	13488
	Quarterly	Copper	mg/L	0.017	0.009	0.006
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	535	474	509
	Yearly	Molybdenum	mg/L	0.006	0.007	0.007
	Yearly	Nickel	mg/L	0.003	0.001	0.001
	Quarterly	pH	pH	7.19	6.71	7.02
	Yearly	Potassium	mg/L	6	5	7
	Yearly	Selenium	mg/L	0.02	0.01	0.02
	Yearly	Sodium	mg/L	2540	2290	2460
Quarterly	Standing Water Level	m	264.39	264.28	264.15	
Yearly	Sulfate	mg/L	1960	2050	1840	
Yearly	Total dissolved solids	mg/L	11300	11500	10600	
Yearly	Zinc	mg/L	0.037	0.028	0.104	

	Q1	Q2	Q3	Q4
<b>Sampled:</b>	27/03/2023	26/06/2023	4/08/2023	
<b>Obtained:</b>	5/04/2023	5/07/2023	14/08/2023	
<b>Published:</b>	17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
5 (W25)	Yearly	Aluminum	mg/L	0.01	0.01	0.02
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.012	0.018	0.018
	Yearly	Berylium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	345	322	345
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001
	Yearly	Calcium	mg/L	190	179	196
	Yearly	Chloride	mg/L	67	124	106
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	2234	2395	2050
	Quarterly	Copper	mg/L	0.015	0.024	0.024
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	146	137	140
	Yearly	Molybdenum	mg/L	0.001	0.001	0.001
	Yearly	Nickel	mg/L	0.004	0.015	0.013
	Quarterly	pH	pH	7.03	6.67	7.57
	Yearly	Potassium	mg/L	4	4	6
	Yearly	Selenium	mg/L	0.03	0.03	0.03
	Yearly	Sodium	mg/L	240	240	238
	Quarterly	Standing Water Level	m	283.99	283.82	283.80
	Yearly	Sulfate	mg/L	974	1130	1010
	Yearly	Total dissolved solids	mg/L	2540	2380	2030
Yearly	Zinc	mg/L	0.056	0.032	0.058	

	Q1	Q2	Q3	Q4
<b>Sampled:</b>	27/03/2023	26/06/2023	4/08/2023	
<b>Obtained:</b>	5/04/2023	5/07/2023	14/08/2023	
<b>Published:</b>	17/04/2023	26/07/2023	16/08/2023	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result		
				Q1	Q2	Q3
6 (W20)	Yearly	Aluminum	mg/L	0.02	0.03	0.02
	Yearly	Arsenic	mg/L	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.02	0.034	0.028
	Yearly	Berylium	mg/L	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	539	521	584
	Yearly	Cadmium	mg/L	0.0004	0.0004	0.0003
	Yearly	Calcium	mg/L	288	335	297
	Yearly	Chloride	mg/L	4020	3940	3400
	Yearly	Chromium	mg/L	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.003	0.003	0.001
	Quarterly	Conductivity	µS/cm	12532	12726	11395
	Quarterly	Copper	mg/L	0.023	0.033	0.026
	Yearly	Lead	mg/L	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	314	340	315
	Yearly	Molybdenum	mg/L	0.005	0.008	0.004
	Yearly	Nickel	mg/L	0.003	0.006	0.01
	Quarterly	pH	pH	6.88	6.87	7.07
	Yearly	Potassium	mg/L	9	9	9
	Yearly	Selenium	mg/L	0.01	0.01	0.01
	Yearly	Sodium	mg/L	2040	2200	2110
	Quarterly	Standing Water Level	m	268.70	268.84	268.93
	Yearly	Sulfate	mg/L	1440	1490	1110
	Yearly	Total dissolved solids	mg/L	9290	9230	8410
Yearly	Zinc	mg/L	0.067	0.087	0.057	