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**Licensee:** Sumitomo Metal Mining Oceana P/L  
 CMOC Mining Pty Ltd  
 SC Mineral Resources Pty Ltd  
**EPL No.:** 4784

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
1 (W14)	Quarterly	Conductivity Copper pH  Standing Water Level	9758.7 0.008 7.42  19.59	$\mu\text{S/cm}$ mg/L   m	The Q2 2018 water monitoring results for W14 bore are inline with historical water quality results. There is a minor increase (3cm) in the standing water level from the previous quarter which was 19.62m. The conductivity increased (+ 67.2 $\mu\text{S/cm}$ ) from last quarter which recorded 9691.5 $\mu\text{S/cm}$ . The pH decreased (-0.04) from last quarter which was 7.46 and the copper concentration decreased (-0.003mg/L) from the last reporting period, which was 0.011mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.
2 (W19)	Quarterly	Conductivity Copper pH  Standing Water Level	5988 0.008 7.7  33.47	$\mu\text{S/cm}$ mg/L   m	The Q2 2018 water monitoring results for W19 bore are inline with historical water quality. There is minor decrease (-15cm) in the standing water level from previous quarter which was 33.32m. The conductivity decreased (-799 $\mu\text{S/cm}$ ) from last quarter which recorded 6787 $\mu\text{S/cm}$ . The pH decreased (-0.99) from last quarter which was 8.69 and the copper concentration decreased (-0.003mg/L) from last reporting period, which was 0.011mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.

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3 (W21)	Quarterly	Conductivity Copper pH  Standing Water Level	13752.4 0.006 11.05  13.13	$\mu\text{S/cm}$ mg/L   m	The Q2 2018 water monitoring results for W21 bore are inline with historical water quality. There is a minimal decrease (-18cm) in the standing water level from previous quarter which was 12.95m. The conductivity increased (+181.1 $\mu\text{S/cm}$ ) from last quarter which recorded 13571.3 $\mu\text{S/cm}$ . The pH increased (+3.93) from last quarter which was 7.12 and is now in-line with historical data and the copper concentration increased (+0.004mg/L) from the last reporting period, which was 0.002 mg/L. These variances are most likely the result of below average rainfall during the reporting period (48.5mm), compared to the quarterly long-term average (131mm).
4 (W23)	Quarterly	Conductivity Copper pH  Standing Water Level	18353 0.009 7.69  24.6	$\mu\text{S/cm}$ mg/L   m	The Q2 2018 water monitoring results for W23 bore are inline with historical water quality. There is a minimal increase (+18cm) in the standing water level from the previous quarter which was 24.78m. The conductivity increased (+2621.7 $\mu\text{S/cm}$ ) from the last quarter which recorded 15731.3 $\mu\text{S/cm}$ . The pH increased (+0.43) from the last reporting period, which was 7.26 and the copper concentration decreased (-0.014mg/L) from the last reporting period, which was 0.023 mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.
5 (W25)	Quarterly	Conductivity Copper pH  Standing Water Level	1391.2 0.018 8.27  2.76	$\mu\text{S/cm}$ mg/L   m	The Q2 2018 water monitoring results for W25 bore are inline with historical water quality. There is a decline (-30cm) in the standing water level from previous quarter which was 2.46m. The conductivity decreased (-49.7 $\mu\text{S/cm}$ ) from last quarter which recorded 1440.9 $\mu\text{S/cm}$ . The pH decreased (-0.05) from last quarter which was 8.32 and the copper concentration increased (+0.003mg/L) from the last reporting period, which was 0.015 mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.

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6 (W20)	Quarterly	Conductivity Copper pH	14827.9 0.006 7.24	$\mu\text{S/cm}$ mg/L	<p>The Q2 2018 water monitoring results for W20 bore are inline with historical water quality. There is a minimal decline (2cm) in the standing water level from the previous quarter which was 15.90m. The conductivity increased (+1073.7<math>\mu\text{S/cm}</math>) from last quarter which recorded 13754.2<math>\mu\text{S/cm}</math>. The pH increased (+0.95) from the last quarter which was 6.29 and the copper concentration increased (+0.005mg/L) from the last reporting period, which was 0.001 mg/L.</p> <p>These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.</p>
		Standing Water Level	15.92	m	