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**Obtained:** 5/03/2015

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

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W14	Quarterly	Conductivity	11900	µS/cm	The Q1 2015 water monitoring results for W14 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 23.10 m. The pH are inline with long term averages. The conductivity decreased from last quarter which was 12540 µS/cm. There was a slight increase in pH and copper concentrations from the last period, pH was 6.34 and Copper was 0.001 mg/L in Q4 2014, but line with long term averages.
W14	Quarterly	Copper	0.002	mg/L	
W14	Quarterly	pH	6.45		
W14	Quarterly	Standing Water Level	23.12	m	

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Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W19 (MB21)	Quarterly	Conductivity	5640	µS/cm	The Q1 2015 water monitoring results for W19 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 38 m. The pH are inline with long term averages. The pH and Copper concentration decreased from last quarter which was 6.53 and 0.006 mg/L. There was a slight increase in conductivity from the last period which was 5370 µS/cm , pH was 6.34.
W19 (MB21)	Quarterly	Copper	0.003	mg/L	
W19 (MB21)	Quarterly	pH	6.46		
W19 (MB21)	Quarterly	Standing Water Level	38.0	m	

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Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W21 (MB23)	Quarterly	Conductivity	11230	µS/cm	The Q1 2015 water monitoring results for W21 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 13.65 m. The pH are inline with long term averages. The pH and conductivity increased from last quarter which was 11.17 and 11770 µS/cm. There was no change in copper concentration from the last period which was 0.002 mg/L.
W21 (MB23)	Quarterly	Copper	0.002	mg/L	
W21 (MB23)	Quarterly	pH	11.43		
W21 (MB23)	Quarterly	Standing Water Level	13.65	m	

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Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W23 (MB25)	Quarterly	Conductivity	12410	µS/cm	The Q1 2015 water monitoring results for W23 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 28.60 m. The pH are inline with long term averages. The conductivity decreased from last quarter which was 12760 µS/cm. The copper concentration and pH had an slight increase compared to last reporting period which was 0.003 mg/L and 6.85.
W23 (MB25)	Quarterly	Copper	0.004	mg/L	
W23 (MB25)	Quarterly	pH	6.9		
W23 (MB25)	Quarterly	Standing Water Level	28.28	m	

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Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W25 (MB27)	Quarterly	Conductivity	1242	µS/cm	The Q1 2015 water monitoring results for W25 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 5.6 m. The conductivity, pH and Copper concentrations decreased from last quarter which was 1272 µS/cm, 7.11 and 0.012 mg/L, bur inline with long term averages.
W25 (MB27)	Quarterly	Copper	0.005	mg/L	
W25 (MB27)	Quarterly	pH	6.9		
W25 (MB27)	Quarterly	Standing Water Level	4.78	m	

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Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W20 (MB22)	Quarterly	Conductivity	13610	µS/cm	The Q1 2015 water monitoring results for W20 bore are inline with historical water quality. There is minimal change in the standing water level from previous quarter which was 19.20 m. The conductivity and pH increased from last quarter which was 13380 µS/cm and 6.27, bur inline with long term averages. There was no change in the copper concentrations form the last reporting period.
W20 (MB22)	Quarterly	Copper	0.003	mg/L	
W20 (MB22)	Quarterly	pH	6.45		
W20 (MB22)	Quarterly	Standing Water Level	18.92	m	