

Endeavor Mine – Quarterly Groundwater Monitoring Results

	Environmental Protection Licence Monitoring Point												
	9	10	11	12	13	14	15	16	17	25	18	19	20
Sample Date	28/12/16												29/12/16
Standing Water Level (mBTC)	2.77	3.63	3.08	3.01	4.92	2.755	3.5	4.895	8.97	2.24	4.81	6.71	3.52
pH	7.31	7.41	7.43	7.05	7.73	7.54	7.87	7.93	7.8	7.24	7.68	7.95	7.19
Electrical Conductivity (µS/cm)	12300	20300	27000	12900	22100	17000	25300	17600	24300	24300	15300	23400	16100
Total Dissolved Solids (mg/L)	10400	14700	22400	11100	14400	14200	19400	16700	18200	14300	16900	20800	12600
Sulfate (mg/L)	3460	2970	4390	3940	3650	6120	6310	6530	3750	3880	7310	7410	2700
Chloride (mg/L)	2360	5630	7670	2340	5940	2960	5660	3350	6660	7120	2540	5100	4760
Calcium (mg/L)	686	314	1070	656	884	598	378	643	749	991	571	555	793
Magnesium (mg/L)	760	662	1300	654	689	925	570	1010	756	1190	1200	1130	548
Sodium (mg/L)	1780	5050	4350	1570	3330	2410	4830	2420	3790	3770	1780	3270	2430
Potassium (mg/L)	129	162	166	107	137	207	182	163	214	154	135	140	106
Arsenic (mg/L)	0.036	0.005	0.005	0.467	0.006	0.007	0.009	0.006	0.007	0.072	0.009	0.002	<0.001
Cadmium (mg/L)	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper (mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.004	0.002	0.046	<0.001	0.001	0.003	<0.001
Iron (mg/L)	2.42	<0.05	2.37	54.2	0.28	<0.05	<0.05	<0.05	<0.05	22.7	0.16	<0.05	2.89
Lead (mg/L)	<0.001	<0.001	0.002	<0.001	<0.001	0.008	0.002	0.001	0.001	0.004	0.002	0.006	<0.001
Manganese (mg/L)	8.06	0.563	4.22	26.3	1	3.04	<0.001	0.036	0.006	18.6	0.364	0.001	20.8
Mercury (mg/L)	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0002	<0.0001	<0.0001	0.0003	<0.0001
Zinc (mg/L)	0.008	0.012	0.007	0.014	0.022	0.026	0.179	<0.005	0.013	0.045	0.027	0.032	0.216
Total Cyanide (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004

All samples are analysed by a NATA accredited laboratory