

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	28/9/16	11/10/16	15/10/16	11/10/16	28/9/16	11/10/16	11/10/16	11/10/16	28/09/16	15/10/16	28/9/16	28/9/16	11/10/16
Standing Water Level (mBTC)	1.71	2.93	2.26	2.14	4.27	2.41	2.88	4.81	8.99	1.49	4.26	7.4	3.04
pH	7.31	6.88	6.84	6.66	7.43	7.28	7.48	7.72	7.19	7.06	7.43	7.53	6.79
Electrical Conductivity (µS/cm)	17500	17300	29900	13300	24100	17800	27800	17900	26600	27100	17600	24000	19000
Total Dissolved Solids (mg/L)	16000	15100	25800	11100	19700	16700	20900	16500	21500	22800	16200	17400	14200
Sulfate (mg/L)	4620	4700	5770	4510	4040	6570	5990	7520	4260	5010	10100	9310	3630
Chloride (mg/L)	3310	3760	8000	2510	6010	3240	6770	3160	6740	7720	2310	4730	5210
Calcium (mg/L)	713	594	1140	650	744	579	447	649	677	990	511	490	766
Magnesium (mg/L)	1220	1100	1800	820	816	1060	751	1200	936	1410	1530	1380	699
Sodium (mg/L)	1840	2110	5330	1660	3740	2550	5160	2370	4270	4300	1910	3670	2690
Potassium (mg/L)	129	113	192	91	170	216	204	169	268	167	157	165	102
Arsenic (mg/L)	0.078	0.017	<0.010	0.286	0.004	0.008	0.01	0.006	0.009	0.073	0.008	0.003	<0.001
Cadmium (mg/L)	<0.0001	<0.0001	<0.0010	<0.0001	0.0002	<0.0001	0.0013	<0.0001	0.0002	<0.0010	<0.0001	<0.0001	<0.0001
Copper (mg/L)	<0.001	0.001	<0.010	<0.001	0.005	0.002	0.005	0.001	0.002	<0.010	0.001	0.002	<0.001
Iron (mg/L)	2.64	<0.05	3.18	55.3	<0.05	<0.05	<0.05	<0.05	<0.05	10.9	<0.05	<0.05	<0.05
Lead (mg/L)	<0.001	<0.001	<0.010	<0.001	0.002	0.018	0.035	<0.001	<0.001	<0.010	<0.001	0.009	<0.001
Manganese (mg/L)	11	8.4	5.51	31.8	2.86	3.14	0.03	<0.001	0.069	22.7	0.445	0.006	25.9
Mercury (mg/L)	<0.005	0.014	<0.050	0.01	0.033	0.019	0.542	<0.005	0.007	0.36	0.007	0.016	0.262
Zinc (mg/L)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0015	<0.0001
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