CURRAGH RESOURCES INC.

020426 (4)

WATER ANALYSIS

Sample Site X1	Sample Period October – December 1987												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	7.03	6.88	7.30	7.08	7.01	6.87	6.55	6.78	6.50				
Temperature C	2	1	0	2	3	0	1	0	1				
Flow m 3/min	1.12	4.65	2.91	3.35	2.53	0.0975 4.65	0.0558 3.35		0.0085 0.51				
Ammonia mg/L	2.86	3.04	5.84	1.96	1.51	2.04	4.16	2.97	1.15				
Copper mg/L	0.02	0.01	0.09	<0.01	0.01	<0.01	<0.01	<0.01	0.01				
Lead mg/L	<0.01	<0.01	0.02	<0.01	<0.01	0.03	<0.01	<0.01	0.02				
Zinc mg/L	31.00	35.60	52.20	55.80	45.00	74.50	61.00	67.80	35.60				
Cyanide mg/L	0.07	0.07	1.82	0.15	0.07	0.18	0.11	0.08	0.31				
Manganese mg/L	7.40	6.60	9.52	9.20	7.50	8.93	6.92	7.02	7.23				
Sodium mg/L	36.5	32.5	43.5	36.0	35.0	37.0	27.0	25.0	19.0				
Sulfate mg/L	948	863	1260	1275	977	1440	936	990	766				
Suspended Solids mg/L	790	1520	4480	3350	8420	60	2970	70	4990				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X12	Sample Period → NOV October - December 1987												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	7.62	7.74	8.10	8.04	8.74	7.67	7.61	7.21	7.64				
Temperature C	5	2	2	3	3	2	3	2	3				
Flow m 3/min	0.58	0.58	0.58	0.50	0.50	0.0083 0.50	0.007 0.42	0.007 0.42	0.007 0.42				
Ammonia mg/L	0.20	0.22	0.25	0.35	0.25	0.40	0.35	0.19	0.33				
Copper mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Lead mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Zinc mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Cyanide mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Manganese mg/L	1.28	1.30	1.32	1.32	1.21	1.13	1.01	1.10	1.00				
Sodium mg/L	39.0	39.0	40.0	41.0	41.0	41.0	39.0	41.0	40.5				
Sulfate mg/L	251	247	233	251	253	223	217	252	258				
Suspended Solids mg/L	1	1	<1	<1	<1	<1	<1	<1	<1				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X13	Sample Period NOV → October - December 1987												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	7.57	7.68	7.90	7.73	8.51	7.59	7.63	7.23	7.48				
Temperature C	5	4	3	5	4	4	4	3	4				
Flow m 3/min	7.17	7.17	7.17	7.17	6.97	0.1162 6.97	0.1082 6.49	0.1045 6.27	0.1046 6.27				
Ammonia mg/L	0.69	0.56	0.74	0.75	0.70	0.74	0.65	0.63	0.75				
Copper mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Lead mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Zinc mg/L	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01				
Cyanide mg/L													
Manganese mg/L	3.88	3.71	3.68	3.73	3.73	3.42	3.85	3.63	3.69				
Sodium mg/L	72.0	72.0	72.0	74.0	74.0	70.0	75.0	72.0	75.0				
Sulfate mg/L	526	504	520	499	484	492	495	475	480				
Suspended Solids mg/L	1	4	2	3	2	4	2	2	3				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X5	Sample Period October - December 1987 (Nov →)												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	7.99	7.99	8.30	8.19	8.15	8.05	8.52	8.53	7.92				
Temperature C	6	5	4	3	2	2	1	1	2				
Flow m 3/min			38.11										
Ammonia mg/L	0.89	0.76	1.04	1.13	1.02	0.93	1.04	0.98	0.93				
Copper mg/L	0.10	0.11	0.11	0.10	0.08	0.06	0.05	0.04	0.04				
Lead mg/L	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.14	0.15				
Zinc mg/L	0.29	0.30	0.29	0.27	0.27	0.27	0.26	0.23	0.21				
Cyanide mg/L	0.06	0.08	0.05	0.06	0.04	0.03	0.06	0.06	0.07				
Manganese mg/L	1.22	1.23	1.28	1.32	1.36	1.35	1.36	1.40	1.44				
Sodium mg/L	121.0	118.0	117.0	110.0	104.0	101.0	100.0	95.0	96.0				
Sulfate mg/L	405	399	399	398	386	398	360	390	385				
Suspended Solids mg/L	2	2	2	1	1	4	1	1	1				
									↑				
									Bioassay				
									LC50-96hr				
									100% surv				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X9	Sample Period NOV → October - December 1987												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	9.45	12.22	10.30	9.97	9.78	9.90	9.41	8.50	9.21				
Temperature C	13	10	9	12	10	10	10	9	9				
Flow m 3/min	20.4	20.4	20.4	20.4	20.4	0.340 20.4	0.340 20.4	0.340 20.4	0.340 20.4				
Ammonia mg/L	2.85	0.88	2.06	0.80	0.80	1.26	1.43	1.47	1.02				
Copper mg/L	7.93	0.43	6.28	0.10	0.23	0.09	0.51	2.42	0.74				
Lead mg/L	0.12	1.86	0.07	0.05	0.05	0.06	0.07	0.04	<0.01				
Zinc mg/L	0.09	0.48	0.12	0.02	<0.01	0.01	<0.01	<0.01	<0.01				
Cyanide mg/L	0.11	2.68	0.31	2.06	0.54	0.40	0.67	0.48	0.33				
Manganese mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Sodium mg/L	199.0	83.0	165.0	109.0	115.0	136.0	160.0	137.0	39.0				
Sulfate mg/L	279	48	229	147	140	142	238	346	370				
Suspended Solids mg/L	208,000	117,000	250,000	310,000	169,000	235,000	275,000	359,000	226,000				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X11	Sample Period October - December 1987												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	7.62	7.54	8.00	7.78	7.84	7.62	7.64	7.15	7.46				
Temperature C	7	5	6	7	6	6	5	4	5				
Flow m 3/min	1.27	1.12	1.27	1.12	1.12	0.0175 1.05	0.0162 0.97	0.0162 0.97	0.0162 0.97				
Ammonia mg/L	1.03	0.84	0.98	1.05	0.93	1.51	0.91	1.03	0.82				
Copper mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Lead mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Zinc mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01				
Cyanide mg/L													
Manganese mg/L	4.13	4.11	4.10	4.17	4.19	4.08	4.00	4.12	4.10				
Sodium mg/L	85.0	85.0	85.0	84.0	83.0	84.0	81.0	82.0	79.0				
Sulfate mg/L	495	493	499	460	459	484	474	467	485				
Suspended Solids mg/L	3	3	3	3	4	5	3	3	3				

CURRAGH RESOURCES INC.

WATER ANALYSIS

Sample Site X22	Sample Period October - December 1987 (NOV →)												
Date D/M	2/10	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11				
pH	6.98	7.19	7.50	7.50	7.70	7.02	7.45	6.92	7.13				
Temperature C	7	5	4	4	3	2	3	1	2				
Flow m 3/min	5.82		7.19		4.91	0.0818 4.91	0.0818 4.91	0.0818 4.91	0.0818 4.91				
Ammonia mg/L	4.98	6.75	5.92	2.54	2.27	1.81	6.45	4.44	0.64				
Copper mg/L	<0.01	<0.01	0.01	<0.01	0.01	0.01	0.01	0.01	<0.01				
Lead mg/L	0.10	0.22	0.20	0.06	0.09	0.06	0.05	0.14	0.06				
Zinc mg/L	31.70	41.60	26.40	37.40	38.80	26.70	31.80	22.00	23.00				
Cyanide mg/L	0.01	0.01	<0.01	0.01	<0.01	<0.01	0.03	0.03	0.01				
Manganese mg/L	2.53	3.29	2.29	2.20	2.02	1.34	1.54	1.18	0.80				
Sodium mg/L	43.5	47.5	39.0	25.5	22.0	15.5	18.5	18.0	6.8				
Sulfate mg/L	539	616	505	479	426	353	359	345	253				
Suspended Solids mg/L	7	10	26	15	16	17	48	28	11				