'2BC -X13'
space left in name in '86 records.
fixed up!

020418

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-13	Sample Period October - December 1986											
	✓	✓										
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12
pH	7.4	7.4	7.5	—	7.36	7.54	7.76	7.35	7.44	7.53	7.45	7.45
Suspended solids mg/L		1	1	2	1	1	1			1	1	1
Flow m 3/min		6.71	6.71	6.71	6.71	6.71	6.27	5.84	5.84	5.84	5.84	5.84
Ammonia mg/L												0.26
Copper mg/L	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Lead mg/L	0.02	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc mg/L	0.03	0.03	0.02	0.04	0.01	0.02	0.02	0.01	<0.01	<0.01	0.03	<0.01
Cyanide mg/L												0.04
Manganese mg/L	1.93							2.30	2.23	0.94	2.47	2.11
Sodium mg/L	52.0							56.0	56.0	54.5	59.0	59.0
Sulfate mg/L	321	363	352	348	323	366	379	391	391	396	340	411
Temp °C								4	4	3	3	4

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X12	Sample Period October - December 1986												
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12	
pH	7.5	7.5	7.6	7.57	7.55	7.70	7.73	7.51	7.64	7.53	7.63	7.64	
Suspended solids mg/L		<1	2	<1	1	<1	<1			2	<1	1	
Flow m 3/min		0.81	0.81	0.87	0.81	0.81	0.73	0.73	0.63	0.68	0.58	0.53	
Ammonia mg/L												0.16	
Copper mg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Lead mg/L	0.06	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	
Zinc mg/L	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	
Cyanide mg/L												<0.01	
Manganese mg/L	0.35							0.49	0.55	0.42	0.44	0.50	
Sodium mg/L	28.0							32.0	32.6	32.0	24.7	33.5	
Sulfate mg/L	179	209	212	211	214	254	243	242	246	258	200	277	
Temp °C								1	2	2	3	3	

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X11	Sample Period October - December 1986												
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12	
pH	7.4	7.5	7.5	7.46	7.42	7.59	7.50	7.41	7.46	7.46	7.51	7.46	
Suspended solids mg/L		<1	<1	<1	2	<1	<1			1	1	1	
Flow m 3/min		0.90	0.83	0.83	0.83	0.83	0.70	0.70	0.70	0.83	0.83	0.83	
Ammonia mg/L												0.43	
Copper mg/L	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Lead mg/L	0.03	0.03	0.01	0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	
Zinc mg/L	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	<0.01	<0.01	<0.01	
Cyanide mg/L												<0.01	
Manganese mg/L	1.60							2.17	2.17	1.66	2.18	1.95	
Sodium mg/L	60.5							62.0	64.0	60.5	76.0	63.0	
Sulfate mg/L	369	363	385	411	399	413	414	416	429	435	316	448	
Temp °C								4	4	4	4	4	

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X9	no sample on 10/10	Sample Period October - December 1986											
Date D/M	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12		
pH	9.6	10.6	10.26	11.99	8.99	12.22	11.64	11.42	10.35	10.00	9.66		
Suspended solids mg/L	260,000	109,000	210,000	173,000	149000	205,000			126,000	297,000	107,000		
Flow m 3/min									30.28	30.28	30.28		
Ammonia mg/L											0.63		
Copper mg/L	0.16	0.09	0.05	0.02	0.07	0.02	0.01	0.04	0.02	0.03	0.24		
Lead mg/L	0.54	3.40	0.91	16.80	0.10	6.79	13.70	7.50	2.33	0.15	0.14		
Zinc mg/L	0.49	7.23	0.43	1.90	0.33	0.68	1.05	2.38	0.83	0.17	0.16		
Cyanide mg/L						0.06		0.07			< 0.01		
Manganese mg/L										< 0.01	< 0.01		
Sodium mg/L							0.14	38.0	28.5	249.0	190.0		
Sulfate mg/L	239	188	123	1425	206	132		1453		240	390		
Temp °C							9	12	9	10	11		

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X5	Sample Period October - December 1986												
Date D/M	10/10	14/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12
pH	7.9	8.0	8.1	8.1	8.17	7.88	7.75	8.18	8.05	7.95	7.94	8.03	8.08
Suspended solids mg/L			<1	<1	<1	2	<1	2	1		2	4	<1
Flow m 3/min													
Ammonia mg/L					<0.10	<0.10	<0.10	<0.10					0.72
Copper mg/L	0.10		0.07	0.06	0.06	0.05	0.08	0.07	0.04	0.11	0.01	0.01	0.02
Lead mg/L	0.13		0.10	0.09	0.08	0.07	0.10	0.06	0.06	0.05	0.06	0.07	0.06
Zinc mg/L	0.37	0.52	0.28	0.22	0.21	0.16	0.24	0.13	0.13	0.11	0.07	0.07	0.07
Cyanide mg/L								<0.01					<0.01
Manganese mg/L	2.33								1.22	1.12	0.79	0.92	0.72
Sodium mg/L	78.5								74.5	73.0	74.5	67.0	71.0
Sulfate mg/L	469		466	477	473	1425	497	512	519	532	548	520	616
Temp °C									0	2	2	3	2

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X4	Sample Period October – December 1986												
Date D/M	10/10	14/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12
pH	8.2	8.1	8.0	8.4	8.67	8.24	7.80	8.63	8.45	8.60	8.61	8.45	8.07
Suspended solids mg/L			6	4	<1	1	1	1	1		<1	2	2
Flow m 3/min													
Ammonia mg/L													1.00
Copper mg/L	0.04		0.04	0.04	0.03	0.04	0.13	0.07	0.04	0.07	0.02	0.02	0.02
Lead mg/L	0.13		0.14	0.07	0.04	0.06	0.06	0.05	0.06	0.04	0.10	0.13	0.09
Zinc mg/L	0.14	0.37	0.18	0.06	0.02	0.04	0.06	0.04	0.16	0.05	0.05	0.09	0.08
Cyanide mg/L													<0.01
Manganese mg/L	0.07								0.53	0.45	0.35	0.70	0.62
Sodium mg/L	2.0								79.5	71.5	67.9	82.0	68.0
Sulfate mg/L	518		502	498	494	464	652	595	577	644	699	760	775
Temp °C									1	2	2	2	2

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BCX1	Sample Period October – December 1986												
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12	
pH	8.4	6.7	6.9	6.71									
Suspended solids mg/L		3400	100	570									
Flow m ^{3}/min					0	0	0	0	0	0	0	0	
Ammonia mg/L													
Copper mg/L	0.02	0.06	0.03	0.04									
Lead mg/L	0.60	0.87	0.23	0.06									
Zinc mg/L	0.04	43.0	56.1	58.7									
Cyanide mg/L													
Manganese mg/L	0.03												
Sodium mg/L	145.0												
Sulfate mg/L	297	990	1260	925									

Data entered in WaterRes (PIAND) data base.

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC-X23	Sample Period October - December 1986												
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12	
pH	6.9	7.0	7.3	7.03	7.50	7.50	7.52	7.07	7.00	7.12	7.14	6.99	
Suspended solids mg/L		4	3	6	5	2	3			4	10	2	
Flow m^3/min													
Ammonia mg/L												0.91	
Copper mg/L	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	
Lead mg/L	0.04	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.09	0.02	
Zinc mg/L	30.0	30.0	34.7	37.7	34.7	35.0	35.7	34.5	36.0	35.1	38.9	40.4	
Cyanide mg/L												<0.01	
Manganese mg/L	12.70							14.85	14.80	17.2	15.0	13.8	
Sodium mg/L	42.0							45.0	45.0	43.9	52.0	46.0	
Sulfate mg/L	1555	1550	1555	1560	1570	1750	1580	1560	1544	1580	1540	1558	
Temp °C								1	3	1	3	3	

CURRAGH RESOURCES CORPORATION

WATER ANALYSIS

Sample Site 2BC X22	Sample Period October - December 1986												
Date D/M	10/10	23/10	31/10	6/11	13/11	21/11	28/11	4/12	10/12	16/12	23/12	31/12	
pH	7.6	7.2	7.0	6.91	6.66					7.61			
Suspended solids mg/L		3	34	8	40					284			
Flow m ^{3}/min						0	0	0	0	7.25	0	0	
Ammonia mg/L													
Copper mg/L	0.02	0.02	0.01	0.01	0.01					0.03			
Lead mg/L	0.10	0.20	0.10	0.02	0.01					0.44			
Zinc mg/L	27.8	30.5	54.0	52.6	55.2					40.9			
Cyanide mg/L													
Manganese mg/L	3.08									2.57			
Sodium mg/L	24.5									17.3			
Sulfate mg/L	649	636	682	677	1090					565			
Temp °C										1			