

AUG 17 1983

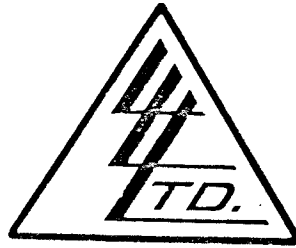
Corporation Falconbridge Copper

Tamih Creek
826817
924/4
JOB # 83-136-B
Page 1/2

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO ₂ %	Al ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Fe ₂ O ₃ %	MnO %	TiO ₂ %	Ba ppm	Cu ppm	Zn ppm	Au ppb	Ag ppb
1	BCS 0041	76.6	9.82	.333	1.74	2.59	1.36	1.66	.048	.133		25	37		
2	0042	48.8	16.4	2.71	11.1	2.52	.470	9.19	.294	.600		45	400		
3	0043	71.7	13.0	.540	2.14	4.72	.958	3.89	.114	.350		4	64		
4	0044	49.2	16.4	9.37	6.33	2.04	.543	9.47	.185	.617		71	50		
	<i>Mag</i> 0045	72.3	13.2	.660	1.28	6.79	.072	3.99	.044	.250		5	64		
6	0046	65.0	13.8	.858	1.62	6.92	.316	3.75	.092	.317					
7	0047	55.0	18.1	.600	6.47	1.70	4.95	9.22	.463	.917		69	250		
8	0049	70.8	13.8	.357	1.62	2.57	2.74	3.00	.117	.317		41	220		
9	0411	49.6	17.9	5.71	7.26	2.80	.683	9.15	.302	1.08		49	81	2	70
10	0412	75.1	11.7	.133	2.45	2.95	1.16	2.46	.050	.167		1	77	-2	90
1	0413											4	6	-2	150
2	0414	77.9	10.6	.102	.216	4.23	.912	1.32	.014	.150		1	20	-2	40
3	0415											39	530	6	7900
4	0416	68.5	16.8	.088	.786	1.78	4.12	4.07	.005	.567		9	6	12	600
5	0417											70	470	530	42000
6	0418											28	730	168	5200
7	0419											410	340	112	2800
8	0420											45	2300	16	10800
9	0459	72.7	10.2	.182	.950	4.02	.964	3.00	.056	.200					
20	0460										2980	23	178	8	180

To: TERRAMIN RESEARCH LABS LTD.,
 14, 2235 - 30th Avenue N.E.,
 Calgary, Alta. T2E 7C7



File No. 24896
 Date July 12, 1983
 Samples Pulp
 P.O.# 0001

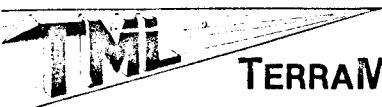
ATTN: Y. Hazeldene

Certificate of
ASSAY of
LORING LABORATORIES LTD.

SAMPLE No.	OZ/TON Gold	OZ/TON Silver	% Cu	% Zn
<u>"Corrected"</u>				
<u>"Pulp Samples"</u>				
83-097				
1-0020	Trace	.32	.33	5.20
2-0021	Trace	.04	.01	.01
3-0022	Trace	.04	.01	.01
4-0027	.146	7.59	1.01	21.9
5-0029	.104	2.88	4.21	9.68
6-0040	.248	23.36	1.42	48.8
7-0122	Trace	Trace	.01	.01
8-0123	.172	1.92	2.48	8.84
9-0124	Trace	Trace	.01	.10
10-0125	.004	.84	.02	11.8
11-0404	Trace	.08	.83	.11
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>				

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer



TERRAMIN RESEARCH LABS LTD.

Corporation Falconbridge Copper

	Client No.	SiO ₂ %	Al ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Fe ₂ O ₃ %	MnO %	TiO ₂ %	Ba ppm	Cu ppm	Zn ppm	Au ppb	Ag ppb
1	BCS 0023	83.8	6.6	0.06	0.43	2.78	0.48	1.99	.022	0.12		6	27		
2	<i>sil ad.</i> 0024	71.0	12.5	1.86	1.33	5.58	0.08	2.67	.057	0.38		2	70		
3	0025	60.7	13.4	4.97	2.60	3.48	1.16	5.41	.096	0.60		18	58		
4	0026											6	57	16	240
5	0027										26.2%				
6	0028	55.6	16.2	2.13	5.16	5.65	0.67	6.16	.219	0.43		184	1080		
7	0030	53.7	17.2	1.19	6.30	6.28	0.11	8.37	.285	0.68		160	490		
8	0031	52.4	16.8	1.54	5.11	5.73	0.31	8.91	.321	0.67		890	4000		
9	0032	59.7	17.0	0.99	4.58	5.00	1.52	8.21	.311	0.62		890	3300		
10	0033	63.7	13.6	1.43	4.56	4.34	0.37	6.26	.311	0.37		370	1950		
1	0034	68.9	13.4	0.22	4.10	2.02	1.95	2.55	.086	0.20		32	209		
2	0035	77.2	11.0	0.19	2.30	2.87	1.11	1.86	.044	0.15		-1	38		
3	0036	72.3	12.3	0.19	0.69	2.01	4.37	2.66	.048	0.30		91	135	10	270
4	0037											15	12	8	2400
5	0038											7	52	12	310
6	0039											26	17	8	2600
7	0113	65.5	16.4	0.06	2.67	0.25	3.40	2.22	.014	0.38	2.84%	52	260		
8	0114	75.9	11.3	0.01	0.84	0.15	3.64	2.99	.001	0.17	5500	188	63		
9	0115	66.1	11.9	5.22	1.07	0.90	3.02	1.34	.086	0.12	5400	55	390		
20	0116	69.9	11.3	2.57	2.12	0.38	2.39	2.72	.056	0.10	4400	15	280		

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO ₂ %	Al ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Fe ₂ O ₃ %	MnO %	TiO ₂ %	Ba ppm	Cu ppm	Zn ppm	Au ppb	Ag ppb
21	BCS 0117	64.2	17.4	0.03	3.30	0.31	3.65	3.72	.017	0.27	1.28%	150	105		
2	0118	78.9	10.6	0.26	0.63	0.17	3.21	1.00	.003	0.17	4800	116	22		
3	0119	74.9	11.7	0.79	2.06	1.20	2.60	2.03	.043	0.12	1680	125	48		
4	0120	65.7	17.0	0.15	0.77	5.97	2.18	1.82	.009	0.32	5500	3	13		
5	0121	48.6	14.4	9.95	5.80	1.86	0.08	12.5	.183	1.97	190	96	108		
6	0122										300				
7	0123										39.2%				
8	0401											36	64	14	330
9	0402											15	15	4	250
3 0	0403											169	640	10	570
1	0405											3	17	10	260
2	0406	69.1	12.1	0.08	2.14	3.26	1.81	4.12	.128	0.37		89	92	2	1130
3	0407											12	219	92	1400
4	0408	72.7	13.6	1.18	3.28	1.29	0.97	3.27	.136	0.22		9	56	-2	70
5	0409	60.5	15.1	1.82	3.96	5.82	0.18	7.71	.139	0.57		2	109	-2	30
6	0410	51.8	15.9	4.18	8.49	1.66	1.40	9.05	.138	0.82		31	71	-2	20
7	0451	52.0	20.4	5.74	6.18	4.92	1.63	6.74	.111	0.82					
8	0452											68	62	2	50
9	0453	51.3	16.4	1.68	6.67	3.73	1.55	11.1	.160	1.32					
4 0	0454											8	81	2	130

