

# TERRAMIN RESEARCH LABS LTD.

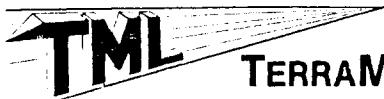
Corp. Falconbridge Copper  
Mt. Sicker 205-80

*Peppa Option*

827769

LIBRARY

	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm		Cu ppm	Zn ppm		Au ppb			
1	BCD 2857											-2			
2	2858											2			
3	2859											2			
4	2860											6			
5	2868											18			
6	2869											26			
7	2870											28			
8	2871											20			
9	2872											12			
10	2873											26			
1	2874											6			
2	2884	49.4	10.5	5.50	2.32	2.55	110		169	73					
3	2887	70.2	3.89	3.51	.635	.217	1860		6	29					
4	2889	69.1	1.01	1.71	1.47	.250	1620		17	65					
5	2890	75.7	3.22	2.42	.539	.150	3030		320	57					
6	2891								2600	72		34			
7	2892								460	57		8			
8	2893								820	55		8			
9	2894								1230	59		6			
2 0	2895								1080	74		8			



TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm		Cu ppm	Zn ppm		Au ppb			
2 1	BCD 2896								550	17		8			
2	2898						2190					4			
3	2901	70.0	.329	3.13	14.0	.217	1780		58	29					
4	2902	66.5	.925	6.37	.813	.183	740		141	36					
5	2904	50.5	9.01	5.37	2.72	2.95	240		270	71		12			
6	2905	49.6	10.4	5.42	1.90	2.74	200		172	67					
7	2906								760			-2			
8	2907								1350			2			
9	2908								11400			484			
3 0	2909								40000			540			
1	2910								580			4			
2	2918	71.7	1.41	1.35	3.56	.150	820		3	16					
3	2920	74.2	2.43	1.84	3.42	.217	1310		4	28		-2			
4	2921	58.4	1.08	7.71	.577	.534	940		10	146		-2			
5	2922	50.3	9.40	5.26	2.49	2.99	150		198	70		6			
6	2923	47.9	9.63	3.80	2.68	2.35	200		320	121		6			
7	2924	76.2	2.15	2.75	1.00	.200	860		460	102		-2			
8	2925	67.6	2.08	1.17	3.24	.317	920		9	29		22			
9	2926	65.9	.299	3.65	1.69	.234	1060		4	113		4			
4 0	2927	64.8	.255	5.69	1.22	.234	1280		4	178		-2			



TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm		Cu ppm	Zn ppm		Au ppb			
4	1 BCD 2928	67.2	.602	3.88	3.03	.284	1110		270	56		6			
2	2932	69.7	.537	.681	.175	.150	2590		23	20		12			
3	2934	70.2	2.64	1.62	.652	.183	2130		60	51		6			
4	2935	70.8	.512	2.69	2.53	.150	1530		480	43		2			
5	2936	52.4	.250	7.63	.084	.484	1340		142	78		-2			
6	2937	54.3	1.55	8.26	4.14	.567	200		810	119		8			
7	2938	51.3	2.31	7.49	4.22	.517	120		320	73		-2			
8	BCS 0706	47.9	12.4	4.31	.927	.884	840		7	21					
9	0742	52.2	.183	12.9	.004	.534	10		1490	87					
5	0	0743	71.0	.168	.544	2.62	.234	600		4	35				
1	0744	69.1	.076	.275	.431	.200	2770		7	14					
2	0745	69.1	2.60	1.06	.101	.117	140		108	520					
3	0746	77.0	.301	.413	.255	.183	460		45	78					
4	0747	73.6	.031	1.71	.120	.150	1300		69	22					
5	0748	46.6	10.0	3.50	3.01	1.80	190		58	52		-2			
6	0748 A	48.3	10.9	6.35	1.89	1.78	220		161	45		14			
7	0749	70.6	.294	1.20	3.61	.133	590		5	33		4			
8	0749 A	73.6	.206	1.43	2.53	.133	880		11	20		6			
9	0750	71.2	.502	.869	4.11	.150	1080		2	18		4			
6	0	0750 A	53.9	2.92	3.68	4.35	.550	190		143	50		2		



# TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm		Cu ppm	Zn ppm		Au ppb			
6 1	BCS 2338	48.1	8.81	4.94	2.44	2.74	140		320	70		16			
2	2342	72.7	1.75	2.95	2.98	.217	2140		112	151		8			
3	2343	69.7	.263	.844	.081	.133	5200		3	14		18			
4	2344	37.2	.869	3.98	.311	1.17	3430		3	92		2			
5	2346	74.0	.070	.167	2.47	.100	630		17	12		6			
6	2347	62.7	1.69	2.69	3.86	.250	750		90	28					
7	2348											6			
8	2349	61.4	4.11	1.72	4.29	.267	1180		5	48		4			
9	2911	72.3	1.19	1.89	2.57	.167	1530		29	16					
7 0	2912	72.1	.270	2.12	.217	.133	930		109	45					
1	2913	76.4	.276	2.06	2.21	.150	750		10	64					
2	2914	69.7	.374	3.00	.169	.183	1220		8	31					
3	2915	76.2	.462	3.80	.094	.183	800		24	59					
4	MB 84001	52.8	5.55	3.90	5.11	.634	70		460	48		6			
5	84002	68.7	1.43	.945	5.76	.167	110		3	19		4			
6	84003	51.3	2.15	4.49	5.59	.600	200		50	67		28			
7	84004	49.2	.309	.610	3.67	.617	9400		120	3		20			
8	84005	17.8	2.38	6.40	.035	.200	120		900	290		28			
9	84007	71.2	.311	.842	.096	.133	1210		22	36		32			
8 0	84008	59.9	.890	2.87	1.48	.450	2910		10	82		10			





# TERRAMIN RESEARCH LABS LTD.

Corp. Falconbridge Copper

SEP 11 1984

JOB # 84-185

Mt. Sicker Project

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	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm		Cu ppm	Zn ppm		Au ppb			
1	BCD 2861	78.7	1.75	3.08	.686	.150	1140		6	27		4			
2	2862	72.7	4.64	3.07	2.25	.234	780		10	34		-2			
3	2863	46.8	14.0	8.37	.044	.834	80		62	75		-2			
4	2864	72.9	2.39	5.85	1.46	.217	570		4	26		4			
5	2865	75.1	2.36	2.70	1.62	.183	1210		175	55		6			
6	2866	72.5	1.68	3.68	1.46	.200	1110		280	29		6			
7	2867	75.9	.902	2.17	2.82	1.83	690		19	52		4			
8	2882	76.6	1.44	3.76	1.13	.217	1790		8	102		8			
9	2883	77.9	.606	2.11	.643	.150	1600		56	20		-2			
10	BCS 720	52.2	.245	8.59	.063	1.03	910		35	78					
1	721	29.3	.309	16.9	.001	1.40	20		1370	161					
2	722	50.3	.180	13.2	.001	1.03	10		137	135					
3	723	41.3	.189	6.65	.026	.834	510		76	68					
4	724	73.4	-.001	5.12	.022	.651	420		178	68					
5	725	79.1	.006	2.16	.131	.167	1230		29	23					
6	726	75.7	-.001	1.16	.089	.250	1700		67	19					
7	727	55.0	.171	10.7	.012	.917	300		320	144		8			
8	728	68.2	.154	1.25	2.05	.267	900		3	111					
9	729	48.6	1.36	6.42	2.95	1.30	820		18	105					
20	730	86.8	.003	.466	.019	.050	70		196	21		18			











JUN 20 1984

# TERRAMIN RESEARCH LABS LTD.

## ANALYTICAL REPORT

Job # 84-068

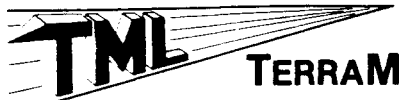
Corp. Falconbridge Copper

Date June 19, 1984

Client Project P.O. 205-80

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Sample No.	Ba %	Cu %	Pb %	Zn %	Au ppb	Ag ppm
BCS-0612	0.80	0.009	0.002	0.008	16	0.3
0613	36.8	0.614	3.17	7.23	5000	83.0
0614	0.53	0.003	0.005	0.023	12	0.2
0618	0.017	0.266	0.004	1.78	154	3.8



# TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm	Cu ppm	Zn ppm						
1	BCD 2760	70.1	.484	2.35	.264	.183	2140	800	55						
2	2761	70.1	2.45	1.04	1.22	.183	2210	350	32						
3	2776	58.1	3.64	3.17	4.72	.450	1100	68	62						
4	2778	76.2	1.09	.587	.698	.133	1870	18	7						
5	2779	67.9	.327	2.87	.373	.200	2100	19	44						
6	2783	47.6	.518	9.72	.135	.867	2320	32	167						
7	2800	48.8	.488	6.83	.123	1.12	1690	330	170						
8	2802	41.7.	.740	9.42	.053	1.13	940	4700	159						
9	2805	69.1	.179	3.61	.163	.217	2110	184	29						
10	2806	73.0	.158	1.97	.542	.167	2340	460	48						
1	2807	70.1	.332	1.18	2.39	.183	2300	113	20						
2	2808	63.8	2.35	2.09	5.94	.300	760	11	37						
3	2809	53.0	.720	10.1	.070	.717	910	570	270						
4	2811	72.1	1.69	2.27	1.81	.183	1400	620	21						
5	2813	53.9	5.79	5.37	5.37	.784	660	54	91						
6	2815	52.2	2.29	8.72	3.99	.734	450	70	77						
7	2816	51.6	5.30	3.22	5.54	.701	510	18	58						
8	2817	50.6	6.10	6.05	4.39	.717	590	44	70						
9	2821	69.1	.905	2.49	2.76	.234	1850	11	62						
20	2825	64.0	3.55	3.02	.885	.250	1700	13	55						





**ASSAY REPORT**

TO: Corporation Falconbridge Copper  
 6415 64 Street  
 Delta, B.C.

FILE NO.: 84-146

DATE: July 12, 1984

ATTENTION: Irene King


cc. Dave Lefebure

PROJECT: Mt. Sicker

Sample Description	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	Na <sub>2</sub> O (%)
BCS 0627	1.00	7.0	.43	L.01	L.01	.01	
0628	.60	4.5	.21	.03	L.01	.02	
0629	.10	L.5	.03	L.01	.01		
0630	L.05	3.5	.31	L.01	L.01	.01	
0631	3.60	63.0	.49	.86	9.66	4.28	
0632	1.80	40.5	1.42	.55	6.79	1.76	
0640	.40	18.5	1.24	.28	.16	.13	
0641	3.70	114	9.36	.02	.60	.05	
0642	.10	L.5	.02	L.01	L.01		
0645	1.00	2.5	.01	L.01	L.01		
0646	L.05	.5	.06	L.01	.01		
0647	L.05	L.5	.03	L.01	.01		
0649	.10	1.5	.15	L.01	.02		
0650	.20	8.0	.44	L.01	.03		
BCS 0707	.05	2.0	.35	L.01	.03		
0709	L.05	L.5	.04	L.01	.02		
BCS 2301	.70	5.0	1.65	L.01	L.01	.01	
2302	.20	11.0	3.37	L.01	.01	L.01	
2303	.20	8.0	2.11	L.01	.01	.03	
2304	.20	8.5	2.83	L.01	.01	.01	
2305	.40	5.5	.68	L.01	L.01	L.01	
2307	5.40	178	4.34	1.58	33.4		
BCD 2822	L.05	.5	.03	.01	.08		1.52
2823	.05	.5	.04	L.01	.02		1.73
2824	.10	1.0	.05	L.01	.01		

"L" indicates "less than"

Rejects retained one month,  
 pulps one year, unless  
 specific arrangements made.

  
 Certified Assayer of British Columbia

**ASSAY REPORT**

TO: Corporation Falconbridge Copper  
 6415 - 64 Street  
 Delta, B.C.  
 V4K 4E2

FILE NO.: 84-179

DATE: July 31, 1984

ATTENTION: A. Davidson cc. Dave Lefebure

PROJECT: Mt. Sicker

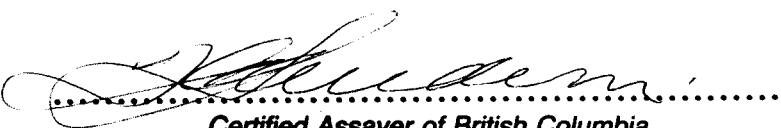
Sample Description	Au g/t	Ag g/t	Cu %	Pb %	Zn %	Ba %
BCS 0719	L.05	3.0	.82	L.01	.02	.01
2309	L.05	2.5	.36	L.01	.01	.01
2310	.20	6.0	1.14	.02	.12	.08
2313	L.05	4.0	.03	.30	.04	.05
2318	L.05	16.0	7.36	L.01	.02	.01
2327	L.05	.5	.35	.02	1.44	

"L" indicates "less than"

Methods:

Au, Ag: fire assay, gravimetric finish  
 Cu, Pb, Zn: aqua regia digestion, AA finish  
 Ba: lithium metaborate fusion, AA finish.

Rejects retained one month,  
 pulps one year, unless  
 specific arrangements made.

  
 Certified Assayer of British Columbia

**ASSAY REPORT**

TO: Corporation Falconbridge Copper  
 6415 - 64 Street  
 Delta, B.C.  
 V4K 4E2

FILE NO.: 84-213

DATE: August 13, 1984

ATTENTION: A. Davidson cc. D. Lefebure

PROJECT: Mt. Sicker

Sample Description	Au g/t	Ag g/t	Cu %	Pb %	Zn %	Ba %
BCS 0734	.30	11.0	1.94	L.01	.03	.32
0735	.70	11.5	2.95	L.01	.01	L.01
0736	.65	10.5	3.40	L.01	.02	.09
0737	L.05	.5	.13	L.01	.01	.25
2334	1.35	19.5	1.64	.05	.02	.04
2335	L.05	L.5	.02	L.01	L.01	.01
2336	.10	L.5	.04	L.01	L.01	.02
2339	.25	40	2.18	L.01	.09	.01

"L" indicates "less than"

Au, Ag: fire assay, gravimetric finish.  
 Cu, Pb, Zn: aqua regia digestion, AA.  
 Ba: lithium metaborate fusion, AA.

Rejects retained one month,  
 pulps one year, unless  
 specific arrangements made.

  
 Certified Assayer of British Columbia



**ASSAY REPORT**

TO: Corporation Falconbridge Copper  
 6415 - 64 Street  
 Delta, B.C.  
 V4K 4E2

FILE NO.: 84-266

DATE: Sept. 12, 1984

ATTENTION: A. Davidson cc. D. Lefebure

PROJECT: Mt. Sicker

Sample Description	Au g/t	Ag g/t	Cu %	Pb %	Zn %	Ba %	Na <sub>2</sub> O %
BCS 2341	.30	3.5	1.00	L.01	.01	.13	
741	L.05	3.5	1.18	L.01	.02	L.01	
BCD 2885		7.0	1.74	L.01	.01	.15	
2886		7.5	.41	.02	2.45	.01	
2900		6.5	3.20	L.01	.02	.14	
2916		.5	.01	L.01	.01		.16
2917		1.0	.01	L.01	L.01	.01	
2897		L.5	.01	L.01	L.01	.07	
2899		.5	.02	L.01	L.01	.14	
2929		6.0	1.94	L.01	.08	.17	
2930		.5	.02	L.01	.01	.24	
2931		1.0	.06	L.01	.01	.24	
2933		.5	.02	.01	.01	.05	

"L" indicates "less than"

Results on page 1 are assays:

- Au, Ag: fire assay, gravimetric finish.
- Cu, Pb, Zn: aqua regia digestion, AA.
- Ba: lithium metaborate fusion, AA.
- Na: HF/HCl/HNO<sub>3</sub> digestion, AA.

Rejects retained one month,  
 pulps one year, unless  
 specific arrangements made.

  
 Certified Assayer of British Columbia

## GEOCHEMICAL REPORT

Sample Description	Au (ppb)
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BCD 2885	150
BCD 2886	610
BCD 2900	180
BCD 2916	15
BCD 2917	60
BCD 2897	50
BCD 2899	20
BCD 2929	170
BCD 2930	15
BCD 2931	20
BCD 2933	25

Results on page 2 are geochemical determinations:

Au: fire assay, AA.

.....  
*Neil Luge*



**TERRAMIN RESEARCH LABS LTD.**

Corporation Falconbridge Copper

Project Mt. Sicker

450

JOB # 84-145

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	Client No.	SiO <sub>2</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	TiO <sub>2</sub> %	Ba ppm	Cu ppm	Zn ppm	Au ppb	CO <sub>2</sub> %			
1	BCD 2851	49.2	10.9	6.22	2.43	.146	2.60	100	139	52					
2	2852	45.4	.351	13.3	.028	1.36	1.23	740	61	290					
3	2853	65.0	.196	3.73	.069	3.37	.317	1600	540	89					
4	2854	50.3	9.92	5.39	2.18	.658	2.92	230	198	61					
5	2855	52.8	2.64	5.85	.434	.930	.651	400	390	109					
6	3856	55.0	4.03	1.74	5.89	1.58	.667	1180	4	68					
7	2876	71.2	.157	1.17	.480		.150	2630	920	27					
8	2877	73.6	.339	1.55	2.63		.133	1170	270	26					
9	2878	71.9	.596	1.08	1.70		.133	1080	42	24					
10	2879	69.5	1.14	1.99	2.20		.150	1490	740	30					
1	2880	68.5	.748	1.69	2.16		.167	1030	2060	48					
2	2881	69.7	1.85	2.65	2.08		.150	1800	7	30					
3	BCS 2308	70.6	.256	1.18	.166	4.45	.167	2260	260	26					
4	2311										2				
5	2312										2				
6	2314	65.0	1.93	3.61	4.04		.400	670	37	44					
7	2315	47.9	3.97	7.33	2.60		.684	300	19	25	6				
8	2316	54.5	3.65	4.71	5.45		.667	160	29	20	2				
9	2317	52.6	5.86	7.23	2.67		.767	380	58	19	4				
2 0	2319	58.6	6.69	6.57	:022		.217	20	530	127	-2				

