Mt. Sicker – Postuk - Fulton Property 092B/13

Corp. Falconbridge Copper

CFC Geochem

Assay Results 827776

FILE

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230 92B/13

Page 1/11

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 0061	73.2	0.18	.459	.371	2.59	1070		10	42					
2	0062	72.7	0.28	.597	.443	5.45	1390		33	37					
3	0063	74.4	0.15	.182	.394	3.46	550		18	12					
4	0064	81.1	0.13	.114	.431	1.96	450		12	17					
5	0065	69.1	0.28	1.77	3.33	4.49	540		3	66					
6	0066	65.9	0.28	1.35	3.68	5.23	330		116	47					
7	0067	70.0	0.28	1.24	2.75	4.83	1570		15	38					
8	0068	74.2	0.23	1.20	3.91	4.22	420		4	34					
9	0069	50.1	2.69	4.10	2.49	13.9	110		158	102					
0	0070	49.6	2.64	4.43	1.91	15.3	160		131	115					
1	0071	44.1	5.17	5.07	1.08	21.2	350		123	134					
2	0072	49.6	2.99	4.05	1.87	14.9	40		186	110					
3	0073	71.0	0.18	2.47	.224	4.26	580		7	16					
4	0074	78.7	0.13	1.86	.105	3.49	850		5	27					
5	0075	69.7	0.18	3.03	.186	5.51	1150		4	29					
6	0076	70.1	0.23	3.75	.262	4.40	1050		4	39					
7	0077	72.7	0.18	2.82	.291	3.73	1080		4	25					
8	0078	74.4	0.18	3.47	.561	3.86	880		4	19					
9	0079	76.2	0.13	2.35	1.71	2.37	480		4	25					
0	0080	80.0	0.12	2.32	1.22	1.63	520		3	23					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 0081	60.5	0.43	6.00	4.65	6.35	360		4	34					
2	0082	50.5	1.40	6.91	3.59	13.6	110		50	162					
3	0083	59.5	0.35	6.40	.073	10.3	1040		104	126					
4	0084	68.2	0.28	3.20	2.88	4.28	1950		46	113					
5	0085	77.2	0.20	1.58	3.13	1.74	570		6	48					
6	0086	76.4	0.18	1.71	3.80	2.46	400		6	42					
7	0087	46.0	2.50	3.75	1.89	14.2	220		165	141					
8	0088	49.8	2.37	3.85	2.59	13.7	150		148	117					
9	0089	70.8	0.25	1.32	3.15	2.82	1020		47	47					
0	0090	75.7	0.17	2.52	1.75	2.06	490		6	36					
1	0091	47.9	1.82	6.78	2.35	14.1	80		112	58					
2	0092	49.8	2.45	3.98	1.01	15.7	130		157	75					
3	0093	49.4	4.04	3.05	2.31	19.0	260		450	128					
4	0094	41.3	2.39	3.61	2.95	11.8	650		27	50					
5	0095	48.8	1.63	6.91	2.74	13.7	130		189	53					
6	0096	49.2	2.24	4.08	2.80	13.8	230		178	118					
7	0097	67.0	0.30	2.11	1.97	3.79	940		6	79					
8	0098	47.7	1.82	6.15	2.22	13.5	90		95	68					
9	0099	59.0	1.07	3.20	4.07	9.54	330		102	84					
0	0100	47.1	2.62	4.48	2.49	15.2	90		179	127					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 0101	50.7	2.39	2.69	3.09	12.8	60		104	95					
2	0102	49.8	2.40	3.71	2.22	13.4	90		179	86					
3	0103	70.4	0.27	1.82	5.04	3.47	580		3	46					
4	0104	56.9	0.22	1.67	6.00	1.79	40		7	64					
5	0105	69.1	0.25	1.46	3.56	2.59	2020		3	38					
6	0106	48.6	1.77	6.63	2.04	14.2	130		195	81					
7	0107	52.8	1.75	3.75	1.55	13.1	90		280	88					
8	0108	56.0	0.42	6.42	2.71	6.78	1730		2500	890					
9	0109 E	49.0	2.17	3.75	2.72	12.9	240		137	113					
0	0110	50.3	2.34	3.81	2.43	13.0	150		152	98					
1	0111	73.2	0.22	2.21	1.39	3.29	1610		16	205					
2	0112	73.4	0.20	2.24	2.05	3.22	1010		14	163					
3	0113	74.2	0.22	1.35	4.96	1.97	590		7	36					
4	0114	51.6	4.17	3.53	1.83	17.6	80		410	121					
5	0115	45.8	5.00	5.99	2.18	18.2	20		22	122					
6	0116	50.5	1.57	4.64	2.56	12.6	460		110	102					
7	0117	48.1	2.15	5.77	1.70	13.8	40		80	75					
8	0118	48.3	3.15	4.99	2.33	16.3	110		168	90					
9	0119	78.5	0.13	1.97	.218	2.80	970		3	30					
0	0120	79.1	0.13	2.07	.132	2.63	1020		6	105					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 0121	73.4	0.18	2.75	.133	3.53	1110		3	16					
2	0122	78.7	0.13	1.82	.189	3.32	1200		17	16					
3	0123	72.9	0.13	1.71	.829	5.12	1510		48	13					
4	0124	73.8	0.13	1.99	2.18	2.79	870		6	16					
5	0125	52.8	3.40	3.60	1.55	16.5	70		182	102					
6	0126	46.4	3.79	3.33	2.55	16.9	110		189	85					
7	0127	45.4	2.65	3.73	2.56	13.8	80		290	91					
8	0128	50.9	2.72	5.95	1.33	14.4	60		96	114					
9	0129	75.7	0.17	2.77	1.32	2.40	1260		19	15					
0	0130	79.8	0.07	2.50	.632	3.20	250		7	28					
1	0131	48.6	2.34	4.39	.913	13.2	30		16	140					
2	0132	47.9	2.50	5.45	1.59	15.2	40		65	113					
3	0133	49.6	2.45	4.18	1.26	13.7	80		129	96					
4	1000	56.3	3.45	3.48	2.79	15.7	150		300	124					
5	1001	52.6	2.05	4.69	2.26	13.8	240		124	103					
6	1002	75.3	0.18	2.32	4.65	2.30	220		6	18					
7	1003	73.6	0.15	.847	.224	9.37	920		5	9					
8	1004	76.6	0.17	3.80	1.35	3.93	750		4	16					
9	1005	78.1	0.13	2.69	.650	1.57	960		2	15					
0	1006	50.3	2.32	4.97	2.20	1.41	60		57	123					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 1007	53.5	2.25	4.05	3.07	15.3	190		57	106					
2	1008	47.3	2.49	5.87	1.97	14.6	70		64	110					
3	1009	48.8	2.05	6.71	2.21	13.7	110		94	59					
4	1010	51.3	3.04	3.81	2.20	15.0	80		94	120					
5	1011	49.6	2.75	5.16	1.64	14.2	60		157	90					
6	1012	48.8	2.55	4.64	2.09	13.9	110		95	74					
7	1013	51.1	2.22	6.05	2.14	14.3	160		128	96					
8	1014	51.3	2.34	6.25	2.70	13.6	50		92	58					
9	1015	76.2	0.37	.764	3.57	3.95	1300		10	49					
0	1016	46.0	1.57	7.49	2.10	12.7	90		43	64					
1	1017	44.7	1.15	2.37	1.29	8.09	3040		8	101					
2	1018	76.2	0.15	.393	.342	2.62	740		9	53					
3	1019	70.8	0.27	.542	.727	3.50	920		32	33					
4	1020	48.8	3.00	4.21	2.24	14.3	210		152	64					
5	1021	49.8	2.44	4.38	2.44	14.4	170		181	64					
6	1022	49.6	2.25	5.01	2.64	13.0	70		81	60					
7	1023	46.0	2.20	5.44	2.21	13.3	170		91	72					
8	1024	49.2	2.57	5.47	1.93	14.2	110		162	107					
9	1025	44.3	4.50	5.26	2.01	18.6	110		176	67					
0	1026	48.1	2.12	3.47	2.49	12.5	230		124	75					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 1027	47.3	2.95	4.31	2.31	15.3	140		192	72					
2	1028	48.1	2.30	5.17	2.02	13.6	120		79	62					
3	1029	48.3	2.49	5.31	2.24	13.8	110		88	53					
4	1030	57.3	0.67	2.54	4.92	5.51	1250		3	34					
5	1031	71.9	0.15	2.57	1.75	4.26	1080		2	45					
6	1032	73.2	0.12	.307	3.36	2.00	650		2	5					
7	1033	62.5	0.20	1.03	5.86	3.98	400		2	48					
8	1034	53.9	0.37	3.51	2.53	9.02	1440		6	96					
9	1035	54.5	0.77	2.75	1.08	11.6	1140		52	132					
0	1036	55.8	0.65	3.73	2.84	13.3	260		44	103					
1	1037	58.0	0.37	2.30	3.64	9.07	160		85	76					
2	1038	53.1	0.70	3.56	2.87	12.6	130		38	90					
3	1039	77.7	0.15	.587	.449	2.67	1000		29	28					
4	1040	77.0	0.12	.099	.276	3.66	1080		23	18					
5	1041	55.0	0.70	2.07	1.94	9.80	660		30	72					
6	1042	81.3	0.12	.383	.297	2.97	420		13	39					
7	1043	68.2	0.30	1.84	2.97	5.92	610		6	77					
8	1044	45.6	2.94	5.01	.980	16.2	10		270	132					
9	1045	48.3	3.12	4.96	2.43	15.2	40		163	70					
0	1046	50.3	3.57	5.21	3.14	15.9	60		140	82					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 1047	53.5	2.72	4.23	.927	17.5	50		208	104					
2	1048	76.2	0.13	1.51	3.17	2.55	1110		5	16					
3	1049	74.9	0.12	2.09	.151	4.15	1210		3	15					
4	1050	80.4	0.10	1.81	.106	3.39	950		2	25					
5	1051	71.9	0.25	3.51	3.77	4.70	380		3	36					
6	1052	74.4	0.13	1.99	1.90	3.16	1290		5	17					
7	1053	73.8	0.13	2.40	.163	3.66	1060		3	32					
8	1054	79.1	0.12	1.97	.740	3.16	840		4	29					
9	1055	75.5	0.18	2.54	1.01	3.17	1160		3	32					
0	1056	73.4	0.23	2.06	3.98	4.38	2010		22	27					
1	1057	76.2	0.18	2.37	2.10	2.29	1140		3	67					
2	1058	78.1	0.17	.545	3.61	.583	970		6	22					
3	1059	71.9	0.22	2.95	2.87	3.55	810		6	89					
4	1060	50.5	2.40	3.78	2.57	13.8	260		175	113					
5	1061	50.1	2.35	4.05	2.41	13.4	250		102	95					
6	1062	69.1	0.23	2.34	.569	3.50	5700		30	51					
7	1062 A	49.4	1.67	6.50	2.02	13.7	90		149	71					
8	1071	47.9	3.37	4.36	2.00	15.7	120		162	97					
9	1074	76.6	0.17	2.55	2.33	6.36	260		17	36					
0	1075	82.1	0.12	.869	.101	2.15	1080		2	8					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 1076	76.6	0.18	2.12	.142	3.33	880		3	25					
2	1077	67.4	0.25	3.73	3.57	4.23	660		23	51					
3	1078	65.9	0.28	3.76	3.81	4.65	1000		10	120					
4	1079	64.4	0.30	2.06	1.20	4.58	4500		80	53					
5	1080	47.3	1.97	4.87	2.01	13.0	1600		189	97					
6	1081	63.7	0.27	3.13	3.03	3.93	1550		10	87					
7	1082	47.5	2.19	6.05	2.24	13.4	400		202	110					
8	1083	67.4	0.25	2.14	4.93	2.29	930		6	47					
9	1084	48.1	2.14	5.19	2.02	13.6	150		138	79					
0	1085	71.4	0.20	1.79	2.16	1.86	900		4	31					
1	1086	48.6	2.09	3.75	2.41	13.0	180		170	99					
2	1087	70.6	0.20	1.84	5.63	1.86	350		5	40					
3	1088	48.3	2.03	5.60	1.63	13.3	130		108	71					
4	1089	47.9	2.12	3.65	2.43	13.2	220		165	124					
5	1090	46.8	2.14	5.59	2.20	13.6	110		122	70					
6	1091	65.2	0.25	2.09	5.12	3.49	330		5	42					
7	1092	52.8	0.68	5.47	4.99	9.48	280		62	99					
8	1093	64.8	0.25	2.92	5.61	4.23	210		4	106					
9	1094	49.0	1.60	5.89	1.82	12.6	230		82	57					
0	2059	47.5	2.64	4.10	1.27	13.4	210		188	95					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	TiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	PF 2060	49.2	2.80	4.44	2.08	14.2	130		185	71					
2	2061	48.8	2.24	4.66	2.51	13.0	120		131	58					
3	2062	50.3	2.09	4.78	2.47	12.8	150		184	61					
4	2063	49.0	2.59	4.68	2.45	14.3	180		260	74					
5															
6															
7															
8															
9															
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
0															

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	CaO %	MgO %	Na_2O %	Fe_2O_3 $	Ba ppm		Cu ppm	Zn ppm					
1	MR -83 - 0343	70.6	1.87	1.31	2.57	2.52	740		10	47					
2	0344	49.8	6.32	8.87	3.60	10.9	130		93	58					
3	0345	53.3	5.57	4.91	3.37	8.99	390		76	94					
4	0346	66.1	.662	4.49	4.04	5.16	100		21	34					
5	0347	49.2	5.43	5.75	3.61	8.78	210		51	66					
6	0348	49.6	7.04	6.47	1.55	11.0	20		45	74					
7	0349	51.8	7.82	4.74	2.90	9.01	30		42	43					
8	0350	51.3	8.83	6.90	3.45	8.39	60		18	23					
9	0351	49.8	7.05	4.08	3.91	12.9	200		20	75					
0	0354	66.5	4.03	1.29	4.26	2.62	390		7	11					
1	0355	49.4	7.81	6.65	3.88	9.27	60		62	27					
2	0356	72.5	4.14	2.34	.968	5.48	200		21	22					
3	1222	51.8	5.76	5.97	2.29	11.1	40		8	33					
4	1223	49.2	8.46	5.60	2.82	13.8	50		180	58					
5	1224	58.6	4.06	1.86	4.33	5.72	830		89	54					
6	1225	52.4	6.60	5.17	2.88	9.04	50		3700	132					
7	1226	46.2	4.50	6.80	3.05	12.3	40		152	121					
8	1227	50.1	10.2	9.02	2.56	9.85	70		34	44					
9	1228	72.1	1.64	1.24	5.53	2.07	280		3	14					
0	1229	69.1	1.75	1.31	5.45	.716	270		2	14					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-230

	Client No.	SiO_2 %	CaO %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	MA-83-1230	55.8	2.15	3.85	4.56	7.69	530		60	65					
2	1231	68.7	1.36	1.67	5.85	2.63	650		3	27					
3	1232	51.8	7.75	7.03	3.95	10.3	80		44	57					
4	1233	50.9	12.0	13.4	.221	14.3	10		9000	26					
5	1234	52.6	9.42	5.54	3.60	9.55	260		56	26					
6	1235	49.0	4.91	7.01	3.63	11.2	20		53	75					
7	1236	41.1	9.54	7.39	1.56	8.47	250		33	45					
8															
9															
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
0															

TERRAMIN RESEARCH LABS LTD.

Corporation Falconbridge Copper

FILE

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
1	PF - 0173	47.1	5.34	1.82	14.6	2.74	80		200	75					
2	0174	49.2	6.17	1.95	14.2	2.22	70		122	96					
3	0175	46.8	5.72	2.37	14.9	2.64	100		122	87					
4	1076	47.7	5.84	1.20	13.3	2.24	70		129	69					
5	0177	49.0	5.42	2.20	15.3	2.69	70		100	63					
6	0178	45.4	4.19	1.95	19.7	4.84	90		270	84					
7	0179	44.7	4.34	1.62	19.7	4.84	90		175	85					
8	0180	48.3	5.14	1.75	15.6	3.05	100		129	74					
9	0181	49.6	6.48	2.88	14.1	2.42	50		180	103					
10	0182	47.1	5.85	2.35	13.8	2.47	170		130	74					
1	0183	46.8	5.42	1.90	13.9	2.57	270		136	70					
2	0184	40.4	7.39	.088	16.3	3.40	50		190	107					
3	0185	70.2	2.14	4.33	3.58	.183	490		92	300					
4	0186	65.7	4.33	3.56	6.59	.317	340		19	173					
5	0187	51.3	3.70	3.77	9.11	.701	360		47	74					
6	0188	69.5	.648	4.45	2.89	.183	1100		9	25					
7	0189	58.4	4.23	3.37	7.66	.517	400		44	49					
8	0190	47.9	5.87	2.35	13.6	1.90	140		157	64					
9	0191	46.4	4.97	1.97	14.4	2.42	110		194	121					
20	0192	57.8	5.07	1.55	9.01	.467	550		56	78					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
21	PF - 0193	73.2	1.79	.205	2.82	.150	140		4	47					
2	0194	48.6	4.24	2.53	13.0	2.08	170		186	85					
3	0195	50.5	5.70	2.28	13.6	1.98	170		167	59					
4	0196	48.6	5.72	2.00	15.9	3.00	130		107	99					
5	0197	50.3	5.01	2.41	13.2	2.05	90		64	64					
6	0198	49.6	6.47	2.01	13.5	2.07	120		209	67					
7	0199	57.1	7.05	2.55	9.19	.484	550		12	67					
8	0200	47.5	6.90	2.13	14.3	2.47	120		104	56					
9	2021	47.1	4.92	2.37	15.0	3.40	160		500	100					
30	0202	49.6	5.70	.960	14.9	2.80	50		139	85					
1	0203	49.2	4.81	2.16	20.7	5.00	90		320	128					
2	0204	53.1	5.97	2.90	14.2	2.15	80		83	96					
3	0205	46.4	5.01	1.90	20.0	6.00	100		240	109					
4	0206	65.7	3.40	3.61	4.63	.183	380		11	56					
5	0207	51.8	12.2	1.37	11.0	.534	240		46	190					
6	0208	56.0	6.25	4.35	9.84	.467	280		300	99					
7	0209	48.6	6.12	1.70	14.2	2.42	70		102	64					
8	0210	49.4	6.20	2.57	13.6	1.85	100		86	72					
9	0211	48.1	6.23	1.93	14.1	2.45	90		72	56					
40	0212	49.8	5.52	2.04	14.0	2.39	140		189	76					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
41	PF - 0213	47.1	5.82	1.81	16.2	2.95	60		214	134					
2	0214	48.1	5.29	2.00	14.0	2.34	140		198	94					
3	0215	75.3	1.37	.809	3.20	.167	1680		29	25					
4	0216	49.0	3.33	2.82	13.9	2.49	180		181	125					
5	0217	47.9	4.10	2.12	14.3	2.85	180		158	133					
6	0218	49.2	3.78	2.45	14.1	2.42	260		133	95					
7	0219	49.4	5.17	2.68	13.5	2.17	170		154	76					
8	0220	55.0	3.95	3.52	8.68	.567	230		98	260					
9	0221	69.7	1.28	5.18	3.98	.200	1000		42	53					
50	0222	53.9	3.47	2.97	9.12	.517	1170		45	78					
1	0223	54.1	4.15	4.45	8.32	.651	250		35	44					
2	0224	52.4	4.68	3.88	9.61	.684	600		105	132					
3	0225	77.7	.487	2.32	3.45	.067	1610		58	62					
4	0226	48.1	5.52	1.95	13.2	2.22	240		170	78					
5	0227	49.2	5.34	2.28	14.1	2.27	110		138	100					
6	0228	64.2	4.92	3.63	3.89	.384	1040		10	75					
7	0229	47.5	6.08	2.14	14.3	2.39	130		177	81					
8	0230	72.5	1.82	1.02	3.23	.150	820		7	37					
9	0231	48.3	6.15	1.78	13.9	2.09	220		105	63					
60	0232	48.8	4.91	2.10	14.4	2.54	150		131	78					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
61	PF - 0233	66.5	4.43	3.32	3.49	.317	1010		6	66					
2	0234	49.2	4.78	2.25	14.3	2.67	110		240	79					
3	0235	72.9	1.74	3.30	3.93	.133	850		204	35					
4	0236	70.6	1.99	3.38	4.12	.117	540		7	45					
5	0237	68.7	2.22	2.72	4.19	.167	1060		6	68					
6	1095	72.3	1.94	2.43	1.17	.200	1200		1	21					
7	1096	67.0	1.56	4.58	2.50	.284	570		1	44					
8	1097	46.8	7.49	1.70	14.2	2.12	190		55	60					
9	1098	47.9	7.58	1.81	14.1	2.09	140		112	46					
70	1099	48.1	7.11	1.73	14.0	2.25	160		100	54					
1	1100	66.1	2.25	1.46	5.39	.317	3100		82	45					
2	1101	68.5	3.85	1.40	3.69	.217	1500		1	69					
3	1102	78.7	2.55	2.78	3.13	.167	820		3	47					
4	1103	72.7	2.09	.163	5.33	.150	1680		3	41					
5	1004	71.7	2.39	.283	4.98	.200	900		3	15					
6	1105	49.2	5.07	2.02	15.4	2.75	100		201	103					
7	1106	49.4	5.16	1.82	15.0	2.77	80		52	63					
8	1107	49.6	5.34	1.73	15.4	2.92	90		134	79					
9	1108	49.4	4.11	2.05	16.6	3.24	50		158	97					
80	1109	47.7	4.99	2.17	17.7	4.17	90		310	98					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
8 1	PF - 1110	51.6	3.90	3.91	12.9	2.82	240		111	57					
2	1111	62.2	6.17	3.21	8.09	.584	610		67	70					
3	1112	59.0	3.05	4.72	7.48	.567	240		29	59					
4	1113	70.4	.744	3.55	3.62	.183	1110		1	17					
5	1114	63.5	2.39	4.02	6.72	.550	530		32	28					
6	1115	78.5	1.76	1.56	1.96	.100	940		1	31					
7	1116	56.9	4.51	4.45	9.38	.600	360		67	96					
8	1117	51.1	5.89	1.48	14.6	1.88	60		127	91					
9	1118	72.9	3.51	2.48	3.79	.250	460		77	320					
9 0	1119	43.2	3.80	1.89	12.3	1.85	540		77	89					
1	1120	52.0	3.37	3.28	14.0	2.37	100		350	114					
2	1121	75.7	2.11	.764	6.09	.234	1470		68	35					
3	1122	55.0	5.80	1.71	16.6	2.39	250		64	119					
4	1123	49.0	6.55	2.26	14.1	2.35	180		208	81					
5	1124	49.2	6.04	2.31	12.8	2.19	40		176	71					
6	1125	51.6	6.83	2.12	13.3	1.95	170		152	40					
7	1126	53.7	5.55	2.60	14.7	2.75	90		110	75					
8	1127	62.0	5.47	4.93	8.27	.517	860		20	112					
9	1128	73.6	2.84	3.13	4.83	.234	640		30	66					
10 0	1129	60.8	6.90	4.14	8.15	.500	250		6	76					

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
101	PF - 1130	52.0	4.94	2.06	13.4	2.40	100		360	61					
2	1131	51.1	5.79	2.08	15.2	2.49	60		123	70					
3	1132	77.7	2.49	3.91	3.02	.150	560		43	44					
4	1133	63.3	3.83	2.67	6.98	.517	1260		2	62					
5	1134	60.1	4.46	5.15	8.39	.550	670		71	50					
6	1135	58.4	8.17	3.57	8.48	.550	420		25	100					
7	1136	52.2	6.55	2.05	14.0	1.82	80		195	56					
8	1137	67.4	1.54	6.55	4.00	.300	480		24	40					
9	1138	76.4	.804	3.37	2.15	.100	920		40	74					
110	1139	48.6	4.94	2.45	13.4	2.35	360		130	57					
1	1140	51.8	5.31	2.75	13.7	2.07	120		102	116					
2	1141	48.3	5.55	2.08	13.2	2.12	110		82	63					
3	1142	48.3	5.32	2.93	13.4	2.32	150		138	101					
4	1143	47.9	6.45	2.02	13.4	2.00	190		130	54					
5	1144	48.1	6.40	2.06	13.9	2.10	140		109	65					
6	1145	48.8	5.12	1.46	14.3	2.40	70		175	119					
7	1146	48.8	4.51	3.79	10.8	.867	210		65	40					
8	1147	54.3	6.13	4.07	9.84	.734	250		54	46					
9	1148	50.7	6.86	3.72	8.87	.701	900		3	56					
120	1149	49.4	8.89	3.19	11.0	.767	100		67	71					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
121	PF - 1150	47.7	4.64	2.39	14.1	24.2	60		100	95					
2	1151	60.5	4.87	3.91	6.98	.484	150		9	138					
3	1152	70.2	1.82	2.18	5.03	.167	1250		15	86					
4	1153	72.1	1.35	2.05	4.02	.150	1190		9	88					
5	1154	74.2	1.38	2.39	3.78	.133	950		500	68					
6	1155	71.9	1.41	3.46	4.00	.150	920		55	50					
7	1156	70.2	1.59	2.16	5.22	.167	1440		1110	84					
8	2172	49.2	6.75	1.86	13.8	2.09	130		88	53					
9	2173	49.2	7.28	2.01	14.1	2.12	210		76	81					
130	2174	49.0	4.05	2.29	13.9	2.57	170		120	112					
1	2175	49.2	4.19	2.86	13.9	2.50	70		194	135					
2	2176	52.8	4.28	.512	11.8	1.55	80		250	66					
3	2177	52.0	3.71	2.20	13.5	2.17	110		43	57					
4	2178	49.2	5.06	3.24	16.0	3.47	90		46	84					
5	2179	85.1	.030	-.013	.472	.017	10		8	3					
6	2180	48.8	4.89	2.74	15.2	3.30	100		186	104					
7	2181	73.2	.842	.084	5.58	.117	1230		5	113					
8	2182	49.8	9.25	1.08	14.0	.534	270		27	68					
9	2183	69.5	4.00	.144	4.23	.167	870		6	33					
140	2184	69.1	3.08	2.93	2.90	.150	550		4	94					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
141	PF - 2185	74.9	2.70	2.18	3.15	.167	460		11	120					
2	2186	69.3	.799	4.19	2.43	.133	1120		4	39					
3	2187	68.5	2.70	2.13	3.09	.217	1350		8	73					
4	2188	46.6	6.86	2.04	13.5	2.00	200		96	91					
5	2189	48.3	8.31	1.83	14.7	2.10	220		74	71					
6	2190	47.2	5.27	1.73	14.9	2.52	80		370	101					
7	2191	71.2	1.16	2.88	4.03	.133	1070		44	35					
8	2192	72.9	1.13	3.06	3.53	.133	940		54	31					
9	2193	68.7	1.50	3.30	4.16	.150	960		166	40					
150	2194	68.0	2.72	1.67	6.94	.117	860		48	127					
1	2195	72.9	1.31	3.03	3.03	.117	1480		620	18					
2	2196	47.9	3.78	2.39	13.6	2.40	140		150	110					
3	2197	47.9	3.91	2.04	14.1	2.62	90		144	120					
4	2198	59.3	4.61	4.45	7.12	.317	640		15	132					
5	2199	48.8	4.54	3.10	9.87	.651	1220		44	79					
6	2200	73.4	.744	.968	3.55	.133	2590		27	27					
7	2201	74.0	1.79	.163	4.25	.133	1420		41	38					
8	2202	49.2	4.49	2.20	15.9	2.37	190		178	106					
9	2203	53.1	2.06	3.18	17.9	2.87	470		470	87					
160	2204	46.6	3.28	2.28	20.3	6.51	500		280	141					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
161	PF - 2205	70.6	.504	5.22	1.82	.250	550		3	17					
2	2206	73.2	.443	.476	2.57	.150	830		11	27					
3	2207	74.7	1.11	2.56	2.62	.133	1160		340	20					
4	2208	55.0	2.49	3.19	7.61	.651	820		8	136					
5	2209	65.5	2.92	1.81	7.46	.500	110		21	55					
6	2210	69.1	2.42	4.04	4.23	.234	750		3	38					
7	2211	53.1	6.00	3.15	11.9	.657	80		37	130					
8	2212	65.0	2.01	5.08	4.73	.267	470		6	35					
9	2213	52.0	4.33	1.75	9.90	.567	320		330	159					
170	2214	69.1	1.23	3.92	3.16	.167	500		9	26					
1	2215	71.7	1.22	6.28	2.50	.167	150		6	42					
2	2216	64.2	.832	4.31	3.89	.234	1780		260	14					
3	2217	55.2	6.98	2.91	10.2	.567	210		26	89					
4	2218	68.5	3.32	3.14	3.86	.200	480		7	52					
5	2219	52.2	8.22	3.18	9.34	.550	170		143	60					
6	2220	55.2	7.31	4.66	8.38	.567	100		7	92					
7	2221	50.7	6.95	.135	11.2	.584	180		29	74					
8	2222	67.6	2.02	5.03	4.00	.217	400		7	32					
9	2223	75.9	1.46	3.80	2.59	.167	340		3	26					
180	2224	67.6	2.64	3.91	3.73	.200	500		5	54					

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm					
181	PF - 2225	70.2	1.96	5.15	3.95	.167	270		149	64					
2	2226	69.1	2.11	4.58	4.09	.217	490		340	47					
3	2227	71.0	2.16	4.93	3.62	.150	150		350	44					
4	2228	73.6	1.76	4.14	2.89	.150	390		17	39					
5	2229	71.4	2.22	3.42	3.93	.117	800		340	48					
6	2230	71.9	1.51	2.94	2.67	.150	1000		56	46					
7	2231	69.1	2.11	2.24	4.96	.133	860		38	67					
8	2232	72.3	1.48	2.94	4.45	.117	660		14	24					
9	2233	47.7	2.87	2.87	16.6	3.42	170		280	99					
190	2234	50.9	2.50	1.83	18.3	3.74	620		520	108					
1	2235	70.0	2.07	.275	3.89	.167	1800		36	19					
2	2236	50.9	2.80	2.52	19.2	3.59	160		630	132					
3	2237	70.4	1.96	1.89	3.06	.200	1070		12	49					
4	2238	50.7	5.14	2.64	10.9	1.43	80		64	54					
5	2239	47.3	4.92	2.21	10.1	1.35	170		92	50					
6	2240	47.9	5.69	2.66	13.1	1.68	320		64	114					
7	2241	52.2	5.65	3.49	12.6	1.52	60		83	95					
8	3009	83.0	1.43	2.18	2.46	.150	30		13	74					
19 9	5002	71.0	.478	.656	1.87	.167	1140		7	22					
0															

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-B

	Client No.	SiO_2 %	CaO %	MgO %	Na_2O %	Fe_2O_3 %	Ba ppm		Cu ppm	Zn ppm					
1	MR-83-2306	59.5	13.9	8.22	1.35	14.2	50		51	51					
2	2307	54.5	4.41	4.10	5.07	9.75	80		28	41					
3	2308	51.3	3.13	4.54	4.39	11.0	110		39	27					
4	2309	73.4	.778	.879	5.77	2.82	380		7	11					
5	2310	57.1	2.27	2.19	5.89	7.45	750		17	12					
6	2311	60.1	1.43	3.00	7.14	5.62	180		30	46					
7	2312	70.8	.595	.927	6.03	2.57	770		6	16					
8															
9															
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
0															

FILE

To: TERRAMIN RESEARCH LABS LTD
14, 2235 - 30th Avenue N.E.,
Calgary, Alberta T2E 7C7
Attn: Y.M. Hazeldene

File No. 25569
Date November 9, 1983
Samples Pulp

205

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% S
"Pulp Samples"	
83-318	
-0040	3.49
-0041	2.02
-0042	2.68
-0043	2.01
-0047	1.34

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

FILE

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-257-B

Date

Client Project

Sample No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF - 300	72.7	1.91	3.18	6.82	.300	2300	17	40
301	47.5	6.00	3.71	11.9	2.85	1370	44	76
302	49.8	5.87	4.53	10.3	.550	80	58	81
303	48.3	7.71	3.13	10.8	.567	310	142	48
304	46.0	4.54	4.54	8.99	.517	150	146	60
305	51.3	6.12	6.20	8.14	.617	100	31	63
833007 (?)	68.7	2.09	5.51	3.85	.250	740	23	55
X 1	82.8	.284	1.71	.543	.100	560	4	7
X 2	79.4	.128	3.75	.829	.100	710	20	5
X 3	48.8	4.06	3.64	10.0	1.33	310	49	98

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

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

File No.: 83-138
Date: September 9, 1983
Samples: Drill core chips

SEP 13 1983

FILE

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

204
205

Attention: Mr. A. Davidson

ASSAY REPORT

Sample No.	Au (oz/ton)	Ag (oz/ton)	%Cu	%Pb	%Zn	%Ba
0044	.035	2.90	.78		16.8	25.16
0050	.003	.08	.01	.02	.06	
0342	.015	.25	.01		.01	
0401	.006	.04	.01	.01	.02	
0402	.006	.15	.01	.01	.02	
0403	.003	.03	.01	.01	.02	
0404	.003	.03	.01	.01	.01	
0405	.002	.03	.01	.01	.02	
0406	.002	.03	.01	.01	.03	
0407	.003	.03	.02	.01	.01	

Rejects retained one month.
Pulps retained one month
unless specific arrangements
made.

Licensed Assayer of British Columbia

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-317

Corp. Falconbridge Copper

Date Nov.5, 1983

Client Project

Sample No. ON POSTUK.1	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-0238	72.3	2.22	3.33	4.64	.183	1100	27	38
0239	52.6	5.41	3.32	12.4	1.38	390	55	81
0240	49.9	7.05	1.98	14.4	1.87	150	112	56

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668
Telex 03-821172 CGY

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

FILE

ASSAY REPORT

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

FILE NO.: 83-167

DATE: October 28, 1983

ATTENTION:

PROJECT:

Sample Description	Au (oz/ton)	Ag (oz/ton)	Cu (%)	Zn (%)	Ba (%)
0173	.006	.13	.31	.02	8.75
0174	.006	.14	.49	.02	8.15
0176	.005	.14	.01	.03	6.20
0180	.009	.19	1.03	.01	-
0183	.018	.14	.02	<.01	-
0854 - 082	.015	1.10	2.98	.02	-

205

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

Certified Assayer of British Columbia

TERRAMIN RESEARCH LABS LTD.

Corporation Falconbridge Copper

204
205

FILE

JOB # 83-262-A

Page 1/2

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm	Au ppb	Ag ppb
1	BCS - 0092	71.0	12.7	.227	1.30	2.57	2.41	4.71	0.030	0.18	1560	720	70		
2	0093	43.8	15.9	6.84	4.71	3.86	2.12	10.2	0.188	0.67	900	86	113		
3	0094	73.8	12.5	.272	1.35	3.28	1.88	3.76	0.036	0.17	1030	910	45		
4	0095											1710	64	6	600
5	0096	56.7	15.7	1.41	5.79	5.76	.090	8.53	0.364	1.07	150	300	230		
6	0097	62.2	12.3	.245	8.67	1.07	1.03	6.15	0.125	0.28	970	8	550		
7	0098	76.4	12.7	.239	1.72	2.91	2.34	2.89	0.027	0.18		138	17		
8	0151	55.0	15.9	3.68	5.64	3.77	.096	11.9	0.248	0.63	50	57	90		
9	0152	53.1	15.9	4.66	6.23	3.75	.261	10.2	0.312	0.62	120	46	98		
0	0257	75.1	12.8	.116	2.35	1.67	3.43	3.25	0.027	0.23		10	147		
1	0258	77.2	11.0	.060	1.99	.290	2.70	3.03	0.026	0.17		1	28		
2	0259	74.4	13.4	.937	.484	.364	3.19	2.59	0.092	0.18		8	32		
3	0260	71.7	13.6	.530	.869	2.72	2.25	4.55	0.129	0.32		5	50		
4	0263	57.8	16.2	3.72	5.59	4.92	.675	6.24	0.049	0.72		19	19		
5	0264	76.4	12.1	.278	.738	.516	2.28	2.00	0.052	0.15		10	34		
6	0265	71.2	13.2	2.07	.972	1.33	2.52	3.22	0.070	0.25		8	40		
7	0266	73.4	10.4	3.27	1.77	.492	1.93	2.81	0.114	0.18		37	38		
8	0267	74.0	13.2	.820	2.88	4.99	1.09	2.66	0.032	0.23		1	16		
9	0268	78.7	10.8	.267	2.07	.288	2.83	3.57	0.036	0.20		1	43		
20	0269	84.5	9.26	.320	1.25	2.53	1.35	1.18	0.012	0.12		-1	7		

TERRAMIN RESEARCH LABS LTD.

JOB # 83-262-A

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm	Au ppb	Ag ppb
21	BCS - 0323	45.8	12.8	6.90	3.43	1.51	.880	12.1	0.160	2.54	170	78	68		
2	0324	70.4	13.8	.252	2.45	1.77	3.18	4.62	0.015	0.25	1920	8	11		
3	0325	75.3	12.1	1.64	2.93	3.30	.681	3.03	0.026	0.27	300	1	15		
4	0326	77.9	11.3	.473	.670	4.23	1.27	3.31	0.032	0.40	1270	2	41		
5	0327	57.1	17.0	.799	6.60	3.80	1.17	8.16	0.166	0.68	340	1	48		
6	0329	68.2	12.8	3.74	2.75	.822	1.47	6.37	0.048	0.22		4	27		
7	0330	72.5	13.2	.190	3.33	3.30	1.60	3.64	0.093	0.25					
8	0331	67.6	14.2	.323	3.30	3.40	1.94	4.44	0.185	0.35	1070	18	117		
9	0332	72.3	10.8	.900	3.71	.279	1.86	5.05	0.075	0.15					
30	0333	69.3	16.8	.165	1.69	3.26	4.08	2.88	0.025	0.28	1810	1	54		
1	0334	73.6	12.3	.095	2.74	.353	3.40	3.18	0.062	0.22					
2	0335	70.4	14.4	.588	1.74	2.70	3.01	3.40	.044	0.23	1090	1	65		
3	0336	76.4	134.	.334	.638	4.08	2.47	1.25	0.003	0.23	870	-1	16		
4	0338	67.4	14.6	.625	2.77	6.17	.694	3.60	0.092	0.30					
5	0339	48.3	14.9	4.62	4.59	2.53	1.31	13.2	0.194	2.34					
6	0340	67.2	14.4	.186	3.58	2.14	2.92	3.74	0.063	0.30	1710	5	86		
7	0341	71.2	13.2	.709	2.35	3.72	1.83	3.21	0.061	0.22	820	1	65		
8															
9															
0															

TERRAMIN RESEARCH LABS LTD.

Corporation Falconbridge Copper

JOB # 84-114

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	L.O.I %		Cu ppm	Zn ppm
1	MB 84 001	58.		.318	6.90	3.53				.500	680			43	56
2	002	59.3		.764	7.66	3.13				.534	860			37	95
3	003	61.2		2.41	3.75	3.33				.651	730			81	75
4	004	65.7		1.82	3.08	5.39				.350	1320			3	44
5	005	81.5		.999	.302	4.02				.133	630			1	4
6	006	80.4		2.25	1.59	2.60				.117	1020			-1	8
7	PF 2706	74.7		.277	2.04	.202				.133	1600			19	28
8	2707	52.2		9.15	6.04	2.45				2.30	90			270	80
9	2708	52.0		11.4	6.67	2.25				1.92	210			55	46
10	2709	52.0		9.56	9.80	2.52				.751	650			290	53
1	2710	49.8		8.65	11.1	2.08				.651	630			98	35
2	2711	76.8		.062	.492	.125				.950	2420			152	9
3	2712	51.8		8.34	5.01	2.20				4.67	100			211	77
4	2713	48.6		8.97	3.56	2.06				4.84	250			134	84
5	2714	56.7		.311	3.48	2.66				.767	460			33	98
6	2715	61.8		.887	2.72	3.61				.651	290			40	100
7	2716	52.0		7.82	6.13	2.37				2.84	60			97	93
8	2717	55.8		.869	5.60	2.70				2.05	170			83	96
9	2718	52.2		9.60	4.96	2.32				2.24	110			125	65
20	2719	52.0		11.3	6.68	2.33				1.83	130			128	36

TERRAMIN RESEARCH LABS LTD.

JOB # 84-114

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	L.O.I. %		Cu ppm	Zn ppm
21	2720	73.4		.334	3.60	.193				.167	1170			4	44
2	2721	75.9		.134	1.82	1.10				.150	1620			5	13
3	2722	51.8		10.1	5.32	2.09				2.75	200			81	67
4	2723	58.2		4.59	5.89	3.95				.600	120			131	104
5	2797	48.8		7.97	4.69	2.32				5.34	110			62	79
6	2798	51.6		10.3	5.82	2.31				2.54	180			194	56
7	2799	48.1		4.85	3.32	5.69				2.95	250			3	52
8	2800	52.4		10.6	6.57	2.63				2.40	50			61	48
9	2801	53.1		8.38	6.91	2.00				2.54	50			53	81
30	2802	50.5		8.42	7.76	3.17				.867	560			107	50
1	2803	56.9		8.81	5.65	4.76				.751	670			104	28
2	2804	52.6		11.2	7.03	3.01				.734	800			132	38
3	2805	52.8		9.67	5.59	1.82				2.75	50			76	82
4	2806	84.7		.245	1.10	.019				.067	10			990	28
5	2807	52.4		.294	6.96	.084				1.18	1390			48	69
6	2808	6.59		.013	2.21	.125				.400	2880			280	35
7	2809	61.8		6.16	2.57	3.36				.567	900			36	45
8	2810	75.3		.025	1.52	.127				.150	1260			51	22
9	2811	53.7		8.11	3.00	2.09				2.79	230			420	96
40	2812	51.6		12.9	9.55	2.37				.701	300			210	40

TERRAMIN RESEARCH LABS LTD.

JOB # 84-114

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	L.O.I. %		Cu ppm	Zn ppm
41	PF 3086	51.8		11.9	7.31	2.91				.751	550			77	37
2	3087	51.3		3.27	3.45	5.00				3.27	210			9	78
3	N.S. 3088	52.6		9.35	4.97	2.40				3.07	190			142	54
4	3089	61.2		7.83	2.95	3.91				.600	650			7	39
5	3090	49.0		11.6	7.94	2.53				.851	600			106	59
6	3091	53.7		8.44	6.25	1.51				2.30	160			122	74
7	3092	52.8		9.54	5.04	1.46				2.34	60			148	99
8	BCS 0708	51.8		10.9	3.28	3.44				1.02	330			11	31
9	0710	27.4		.453	20.2	.038				1.40	10			40	196
50	0711	55.0		.263	13.0	.011				1.03	200			25	152
1	0712	68.7		.768	2.24	3.50				.334	1220			16	40
2	0713	77.9		.094	.991	1.90				.150	1770			54	16
3	0714	34.0		.490	14.5	1.06				1.37	220			31	207
4	0715	53.5		.297	5.95	.599				1.10	1250			100	68
5	0716	68.9		.150	4.69	.062				.400	1360			16	83
6	0717	61.6		.102	9.27	.011				.884	250			30	89
7	0718	77.7		.473	1.00	3.02				.167	1430			93	22
8	0620	72.7	14.2	.067	3.71	.178	3.81	1.14	.046	.133	1850	2.95		2	23
9	0622	58.4	16.8	3.34	3.15	4.79	3.87	5.98	.093	.400	1690	2.10		3	28
60	0633	51.2	16.5	5.85	9.48	1.87	.037	9.57	.380	.769	70	4.80		150	650

TERRAMIN RESEARCH LABS LTD.

JOB # 84-114

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	L.O.I. %		Cu ppm	Zn ppm
6 1	BCS 0634	63.3		8.25	1.01	.708	1.36			.467	230			70	59
2	0635	57.8		1.90	1.99	5.42	2.66			.684	1130			87	116
3	0636	68.5		4.84	.753	.880	2.25			.417	680			48	32
4	0637	68.4	14.0	.087	4.06	.182	3.17	4.02	.057	.200	1010	3.40		9	25
5	0638	71.7	14.5	1.82	.636	4.34	2.00	2.10	.107	.128	850	2.20		1	37
6	0639	69.7	13.2	.316	3.91	.764	3.00	3.09	.115	.217	1740	3.20		12	93
7	0643	51.6		11.3	6.00	.043	.011			1.73	40			270	83
8	0644	20.8		.214	3.40	.082	.018			.050	10			48	42
6 9	0648	73.8		.112	3.91	.247	3.40			.167	1350			4	66
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
0															

TERRAMIN RESEARCH LABS LTD.

Corporation Falconbridge Copper

All Done

JOB No' 83 232

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
	DONE										
1	PF - 0000	50.1	5.99	1.91	14.7	2.82	70		147	50	
2	0001	49.2	6.07	2.60	14.0	2.62	100		112	98	
3	0002	46.6	5.14	2.08	12.2	2.17	100		163	70	
4	0003	49.6	6.38	2.40	14.0	2.34	80		680	70	
5	0004	50.3	4.84	2.24	15.2	2.65	120		177	90	
6	0005	50.1	5.97	2.26	13.5	2.27	250		152	60	
7	0006	50.5	5.64	2.35	13.9	2.27	120		132	53	
8	0007	68.5	2.24	5.11	3.33	.250	520		4	53	
9	0008	50.7	7.33	2.63	14.5	1.83	410		66	98	
10	0009	49.6	7.49	1.08	14.5	1.90	90		240	220	
1	0010	49.8	6.08	1.93	14.2	2.45	200		109	72	
2	0011	49.6	4.78	2.12	16.5	2.84	150		85	104	
3	0012	51.6	4.51	2.02	13.6	2.59	100		250	114	
4	0013	45.8	5.02	1.34	19.6	5.00	50		146	130	
5	0014	50.1	5.24	1.75	20.5	4.67	60		300	136	
6	0015	75.9	3.22	5.04	2.72	.234	630		3	20	
7	0016	77.7	2.32	2.90	2.52	.267	1230		4	10	
8	0017	52.2	5.57	1.81	16.9	2.52	110		175	250	
9	0018	84.3	.955	2.52	.987	.133	560		2	6	
20	0019	79.1	3.03	1.67	2.87	.183	1300		2	20	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
21	PF - 0020	77.0	3.15	.394	4.13	.250	1070		2	24	
2	0021	79.4	1.81	.442	2.53	.217	1760		2	10	
3	bldr 0022	62.5	2.69	3.40	6.78	.600	730		12	36	
4	0023	77.2	2.45	.306	3.22	.183	1420		87	11	
5	bldr 0024	76.8	2.92	1.66	2.20	.217	1180		3	12	
6	0025	48.8	4.94	.973	23.7	4.84	20		141	140	
7	not on 0026	52.6	5.74	2.62	16.3	3.22	100		230	60	
8	not on 0027	53.3	5.65	1.75	13.8	2.52	60		79	40	
9	0028	51.6	5.55	1.91	14.3	2.67	150		58	55	
30	not on 0029	52.4	5.70	2.43	13.9	2.47	80		142	60	
1	0030	52.6	6.35	2.28	14.7	2.65	80		165	62	
2	0031	78.1	3.66	.236	2.32	.183	1810		5	23	
3	0031 A	79.8	3.02	.144	2.46	.133	1620		2	24	
4	0031 B	78.9	2.93	.174	2.80	.167	1820		68	29	
5	0032	36.6	15.7	.112	14.5	.984	1500		60	450	
6	0033	53.3	6.53	2.44	14.1	2.44	250		178	66	
7	0034	55.4	8.67	2.57	10.2	.467	210		93	19	
8	0035	59.7	1.82	2.72	9.28	.450	930		3	88	
9	0036	56.9	1.51	2.98	6.38	.400	1040		4	63	
40	0037	77.2	1.02	2.08	2.43	.150	1120		3	32	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm
41	PF - 0038	53.7	7.10	2.13	14.1	1.80	50		61	107
2	0039	84.3	.668	.448	2.10	.133	750		16	32
3	0040	65.0	2.49	3.06	6.13	.400	810		13	34
4	0041	53.1	5.07	2.60	19.6	3.95	160		106	72
5	0042	38.7	4.74	.499	9.84	1.90	1060		30	74
6	0043	74.0	.860	1.48	2.66	.267	1620		10	38
7	0044	50.1	5.39	2.00	14.2	2.72	190		116	52
8	0045	60.8	1.94	4.52	8.44	.384	1560		4	58
9	0046	59.3	2.40	4.14	7.99	.384	1420		31	62
50	0047	58.2	3.56	6.74	7.89	.951	380		27	78
1	0048	46.6	4.71	3.59	10.3	.984	390		96	115
2	0049	55.0	4.28	5.34	11.0	.951	400		118	137
3	0050	60.3	1.69	7.32	5.89	.467	160		310	83
4	0051	67.0	1.11	2.39	4.66	.183	970		10	53
5	0052	65.9	.993	3.50	4.96	.200	1280		8	33
6	0053	79.6	1.32	2.20	1.56	.117	830		6	21
7	0054	55.6	2.14	3.30	10.4	.567	930		4	104
8	0055	48.1	4.08	2.18	12.7	.967	140		41	68
9	0056	56.0	.927	3.15	8.78	.450	1040		3	90
60	0057	81.5	.219	.838	1.64	.133	580		4	11

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
61	PF - 0058	52.6	3.05	1.86	12.2	.917	460		52	94	
2	0059	83.4	.307	.582	1.84	.150	560		10	22	
3	0060	81.7	.199	.483	1.69	.100	1030		3	21	
4	0134	52.2	5.90	2.09	18.6	3.67	60		45	130	
5	0135	51.1	6.58	2.02	13.3	2.07	60		93	58	
6	0136	53.7	6.55	2.33	15.3	2.47	20		58	116	
7	0137	57.5	3.70	2.33	18.3	3.72	120		460	114	
8	0138	51.3	4.29	2.91	16.3	3.19	130		146	99	
9	0139	52.0	5.37	2.14	13.9	2.69	180		46	42	
70	0140	53.3	5.27	1.91	14.3	2.45	150		86	55	
1	0141	50.3	3.27	3.56	12.0	2.47	340		25	114	
2	0142	56.0	4.38	4.74	9.22	.751	390		34	58	
3	0143	57.1	3.55	5.59	7.75	.734	330		108	37	
4	0144	46.4	6.67	2.29	14.5	2.17	140		250	97	
5	0145	66.3	1.98	4.46	4.62	.317	400		13	52	
6	0146	47.5	3.37	2.36	13.5	2.42	240		184	105	
7	0147	52.8	3.86	2.82	13.7	2.40	250		139	66	
8	0148	52.0	5.24	1.94	13.7	2.17	140		133	69	
9	0149	55.6	5.50	2.53	10.2	.950	640		74	95	
80	0150	54.3	2.60	4.10	7.19	.667	250		31	31	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
81	PF - 0151	59.9	3.02	3.55	6.98	.500	920		95	98	
2	0152	49.0	5.72	1.78	14.8	2.84	30		184	86	
3	0153	50.7	4.71	2.49	14.0	2.39	60		320	510	
4	0154	51.1	4.99	3.92	11.2	2.64	80		11	73	
5	0155	51.6	6.00	1.62	15.6	3.10	30		155	130	
6	0156	97.1	.134	.032	.386	.017	10		6	7	
7	0157	55.0	3.48	2.80	14.4	2.45	80		148	70	
8	0158	47.5	4.99	.968	19.0	4.84	10		230	152	
9	0159	51.3	6.55	1.27	14.6	2.55	50		260	126	
90	0160	50.7	6.53	1.48	14.6	2.44	40		180	87	
1	0161	50.3	6.10	1.15	14.6	2.95	40		310	125	
2	0162	50.5	5.17	1.98	19.7	4.50	20		143	146	
3	0163	76.4	2.27	4.04	1.73	.167	310		2	12	
4	0164	79.6	2.40	2.74	1.24	.150	560		2	11	
5	0165	75.1	2.49	1.23	2.49	.183	900		3	12	
6	0166	68.0	6.48	.239	7.39	.334	560		6	31	
7	0167	51.1	5.69	1.87	14.9	2.89	70		105	69	
8	0168	53.3	3.37	1.67	19.5	3.67	60		270	121	
9	0169	34.4	3.88	1.26	13.6	2.84	110		40	50	
100	0170	48.6	5.09	1.69	20.2	4.17	40		280	113	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm
101	PF - 0171	49.8	5.45	2.31	14.4	2.84	70		82	62
2	0172	49.8	5.11	1.70	14.6	2.97	60		130	86
3	1063	52.2	3.68	2.91	1.41	2.75	190		186	131
4	1064	52.8	5.07	2.82	14.9	2.42	270		112	124
5	1065	71.0	1.94	2.78	2.53	.234	1030		4	70
6	1066	69.1	1.66	1.83	3.25	.267	1070		6	90
7	1067	66.5	2.85	5.42	4.89	.284	150		2	97
8	1068	49.6	6.47	1.75	18.7	3.60	70		184	56
9	1069	46.0	4.99	1.69	17.3	3.67	100		240	63
110	1070	48.3	5.01	1.85	16.6	3.69	180		250	96
1	1072	65.9	1.71	1.24	2.40	.133	1110		2	15
2	1073	68.7	2.54	.476	4.25	.183	740		12	16
3	2000	42.1	4.23	1.93	21.0	4.75	80		184	84
~~4~~	~~2001~~	~~93.7~~	~~.060~~	~~.008~~	~~.501~~	~~.017~~	~~10~~		~~3~~	~~3~~
~~5~~	~~2002~~	~~45.6~~	~~10.6~~	~~1.64~~	~~11.8~~	~~.884~~	~~420~~		~~106~~	~~43~~
6	2006	70.2	2.12	3.28	1.36	.183	740		1	17
7	2007	44.1	6.27	1.70	18.7	4.17	130		108	54
8	2009	74.2	2.06	1.11	2.26	.100	1070		7	23
9	2010	48.1	16.8	.175	10.2	.500	180		89	29
120	2012	42.4	4.31	1.24	17.6	4.50	160		270	135

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm
121	PF - 2013	41.3	4.81	1.18	16.0	4.00	70		17	83
2	2014	49.0	4.79	2.40	14.0	2.55	120		63	82
3	2015	51.1	5.70	1.63	14.9	2.54	40		146	113
4	2016	48.8	5.41	2.49	13.1	2.59	100		25	43
5	2017	67.8	5.95	.089	5.85	.317	8000		45	300
6	2018	69.5	1.35	1.06	1.70	.083	2000		3	69
7	2019	56.0	5.17	5.27	9.02	.534	270		50	80
8	2020	49.6	4.46	2.53	14.5	2.54	310		75	76
9	2021	48.3	5.47	2.18	14.5	2.54	80		150	75
0	2026	67.0	1.61	7.90	3.76	.300	150		2	40
1	2027	69.1	1.84	6.12	3.98	.234	40		6	68
2	2029	69.7	.592	1.39	2.27	.217	1160		13	26
3	2030	70.0	.479	2.88	2.10	.234	800		14	22
4	2031	52.0	5.84	5.18	9.92	.734	360		98	140
5	2032	47.7	5.01	2.14	15.0	3.20	140		71	60
6	2035	46.0	5.65	3.03	14.6	2.54	100		137	106
7	2036	74.9	2.42	.256	1.06	1.00	940		-1	17
8	2037	75.1	2.37	.348	.844	.117	810		-1	14
9	2038	75.9	.348	.233	2.03	.100	1110		-1	5
140	2039	71.9	2.04	.537	1.63	.117	1060		-1	16

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
141	PF - 2040	43.6	3.61	.155	14.1	1.75	590		35	83	
2	2041	44.9	1.32	1.81	14.5	2.64	80		9	63	
3	2042	44.5	2.45	2.10	10.2	1.75	990		2	115	
4	2043	50.1	3.42	4.27	12.7	.951	480		186	112	
5	2044	68.0	1.56	5.34	3.73	.284	400		2	70	
6	2045	68.5	.809	4.25	4.40	.300	740		5	43	
7	2046	56.3	2.69	5.96	6.95	.434	410		5	133	
8	2047	74.2	.640	.593	.179	.083	690		6	10	
9	2048	55.6	1.54	2.26	7.28	.500	1090		10	69	
150	2049	63.7	3.28	3.50	10.0	.484	480		28	89	
1	2050	55.4	1.11	3.87	8.08	.484	1250		6	84	
	2051	76.2	.400	.890	1.99	.117	1030		3	21	
2	2052	48.3	8.59	3.45	11.1	.617	470		120	37	
3	2053	70.8	1.42	.422	3.46	.250	800		3	97	
4	2054	62.9	1.04	.516	6.31	.434	710		42	84	
5	2055	49.4	7.74	2.05	12.5	1.62	160		55	24	
6	2056	69.5	.671	3.65	3.12	.234	690		2	24	
7	2057	70.0	1.25	.419	2.87	.167	760		18	49	
8	2058	47.1	4.51	2.02	14.5	3.12	80		174	83	
9	2064	56.3	3.12	3.90	7.69	.417	1500		27	57	
160	2065	55.0	1.35	2.04	9.34	.484	1100		7	26	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
161	PF - 2066	47.3	3.71	3.11	8.94	.951	620		18	52	
2	2067	46.2	3.27	5.03	11.5	1.02	290		59	105	
3	2068	77.2	.600	2.17	1.43	.067	400		13	38	
4	2069	68.9	.572	4.19	1.47	1.00	910		1	69	
5	2070	62.7	1.27	3.88	4.75	.167	1070		9	52	
6	2071	72.5	1.77	2.09	1.59	1.00	730		2	30	
7	2072	48.1	5.69	.594	13.0	1.70	80		20	90	
8	2073	52.8	3.00	3.02	9.98	.751	790		8	108	
9	2074	50.5	3.47	3.77	11.6	.834	950		9	83	
170	2075	73.6	1.59	2.40	1.86	.117	1060		3	29	
1	2076	64.2	1.87	3.03	7.34	.450	460		32	84	
2	2077	73.2	.458	.388	2.20	.150	1000		14	35	
3	2078	74.2	.509	.460	2.46	.150	1140		7	46	
4	2079	74.2	.206	.685	2.42	.150	1680		10	23	
5	2080	70.6	.928	2.44	4.59	.217	670		5	52	
6	2081	66.3	.965	4.54	3.96	.234	390		2	47	
7	~~2082~~	~~96.5~~	~~.022~~	~~.028~~	~~.343~~	~~.017~~	~~20~~		~~2~~	~~4~~	
8	~~2083~~	~~95.8~~	~~.043~~	~~.019~~	~~.501~~	~~.017~~	~~30~~		~~2~~	~~4~~	
9	2084	49.4	4.01	2.00	14.3	3.22	170		106	90	
180	2085	51.6	5.37	.693	14.6	2.75	80		186	98	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
181	PF - 2086	78.1	1.28	2.57	2.16	.133	900		5	20	
2	2087	73.2	2.55	1.44	3.07	.117	1090		4	23	
3	2088	73.6	2.75	.135	2.80	.183	1330		1	33	
4	2089	77.0	1.81	.066	5.22	.117	420		10	22	
5	2090	77.2	.947	.143	5.99	.133	1300		5	12	
6	2091	80.2	2.37	2.74	1.40	.100	620		2	20	
7	2092	50.9	4.16	1.62	13.6	2.47	80		99	59	
8	2093	50.3	3.85	2.04	13.6	2.52	160		50	78	
9	2094	51.6	2.53	2.36	15.2	3.12	550		97	100	
190	2095	70.4	1.66	4.74	2.82	.217	950		7	45	
1	2096	70.6	1.77	3.33	2.83	.200	920		2	43	
2	2097	51.1	3.95	2.25	13.4	2.69	150		180	105	
3	2098	87.5	1.94	.142	2.65	.133	3800		22	42	
4	2099	48.1	6.81	1.71	14.1	2.02	90		150	46	
5	2100	49.0	7.39	2.10	15.0	2.15	60		70	63	
6	2101	49.4	6.70	2.29	13.7	1.95	90		72	47	
7	2102	50.9	5.39	1.85	13.5	2.54	70		105	117	
8	2103	53.1	3.55	2.39	18.0	3.35	100		280	100	
9	2104	53.1	2.67	2.47	16.7	2.99	350		270	95	
200	2105	46.6	3.83	2.17	14.2	2.92	60		152	120	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
201	PF - 2106	50.3	4.73	1.87	14.4	2.72	60		70	69	
2	2107	53.9	7.03	5.51	10.4	.717	110		43	114	
3	2108	73.6	1.82	2.28	1.83	.150	1180		3	10	
4	2109	74.9	2.07	.429	4.43	.133	1510		26	17	
5	2110	75.9	2.04	.221	3.13	.117	1180		2	21	
6	2111	70.6	3.81	.106	4.20	.200	1080		2	46	
7	2112	77.4	2.14	.206	1.97	.150	1410		2	12	
8	2113	74.4	2.21	.298	4.62	.183	1240		4	45	
9	2114	72.1	3.07	.342	3.52	.167	910		4	32	
210	2115	67.6	4.51	1.63	3.75	.234	900		3	21	
1	2116	76.2	3.70	.124	3.00	.133	920		2	26	
2	2117	51.1	5.72	1.48	13.8	2.62	70		55	78	
3	2118	44.7	6.05	1.27	20.6	4.34	40		59	72	
4	2119	40.2	5.16	1.62	17.7	3.80	20		128	145	
5	2120	49.2	4.84	1.64	18.5	3.54	40		310	142	
6	2121	40.4	3.98	2.71	18.9	4.67	50		162	106	
7	2122	47.7	3.85	3.30	12.8	2.40	280		136	114	
8	2123	72.9	.605	.093	3.55	.100	3110		69	175	
9	2124	48.1	6.07	2.18	13.5	2.34	90		184	65	
220	2125	48.8	4.71	2.56	14.7	2.82	80		250	97	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
221	PF - 2126	64.8	3.35	3.92	15.3	2.90	20		108	55	
2	2127	49.8	3.02	3.06	13.7	2.67	100		114	100	
3	2128	52.2	2.49	2.67	1.86	3.50	290		460	121	
4	2129	45.4	4.74	2.41	20.3	5.50	100		142	107	
5	2130	49.2	5.70	2.59	16.7	2.59	40		240	78	
6	2131	48.6	5.89	2.32	17.6	3.17	60		163	80	
7	2132	48.8	4.08	2.12	14.0	3.04	60		190	73	
8	2133	71.2	1.71	.927	4.48	.167	1220		4	15	
9	2134	72.3	1.62	.240	4.68	.150	1540		29	19	
230	2135	65.7	3.18	.205	4.63	.217	740		7	35	
1	2136	75.9	2.37	.113	2.37	.167	1120		3	22	
2	2137	75.7	1.28	.150	1.72	.150	1470		2	11	
3	2138	65.9	2.97	3.84	4.53	.317	840		80	112	
4	2139	73.2	1.16	4.18	2.13	.167	450		4	43	
5	2140	71.0	2.29	.178	2.97	.200	2190		28	40	
6	2141	48.3	3.93	2.70	13.8	2.62	200		137	86	
7	2142	48.3	4.53	2.18	14.1	2.79	240		64	74	
8	2143	52.4	4.84	1.66	14.4	2.24	580		84	128	
9	2144	52.6	3.50	3.53	13.8	2.49	370		39	119	
240	2145	48.1	6.07	2.22	13.1	2.40	190		100	132	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
241	PF - 2146	51.3	3.17	2.45	18.3	3.27	190		360	105	
2	2147	49.0	2.97	2.36	15.3	2.77	180		290	132	
3	2148	47.7	4.29	1.91	14.5	2.90	140		175	118	
4	2149	44.9	3.71	2.32	13.7	2.65	70		123	102	
5	2150	72.9	1.42	2.18	2.35	.200	1150		11	78	
6	2161	48.6	4.44	2.87	13.9	2.94	170		127	50	written
7	2162	49.2	4.76	2.72	13.0	2.29	200		125	70	
8	2163	47.1	2.30	3.56	16.3	3.79	320		260	79	
9	2164	50.1	3.30	2.48	13.5	3.10	70		190	86	
250	2165	72.7	2.88	.119	4.99	.133	1060		11	35	
1	2166	85.1	2.01	.036	3.17	.133	760		5	23	
2	2167	73.2	1.81	.741	2.66	.167	3850		38	59	
3	2168	78.3	2.12	1.83	1.67	.117	1100		11	150	
4	2169	53.3	7.00	3.25	9.12	.634	260		340	168	
5	2170	55.2	10.2	2.40	9.18	.434	400		22	390	
6	2171	69.5	2.59	3.67	3.25	.200	740		6	106	
7	3001	48.1	4.73	.282	13.8	2.52	40		21	96	
8	3002	48.3	4.13	3.71	12.7	2.24	110		156	89	
9	3003	43.4	4.11	1.75	12.3	2.07	250		155	67	
260	3004	47.9	4.81	2.70	16.9	2.75	590		106	149	

TERRAMIN RESEARCH LABS LTD.

	Client No.	SiO_2 %	MgO %	Na_2O %	Fe_2O_3 %	TiO_2 %	Ba ppm		Cu ppm	Zn ppm	
261	PF - 3005	68.5	4.21	2.98	3.62	.183	860		10	20	
2	3006	68.7	.474	4.56	2.20	.183	850		14	32	
3	3007	69.1	1.13	.182	3.83	.150	2160		162	12	
264	3008	68.2	1.67	.166	4.25	.150	1890		190	23	
5											
6											
7											
8											
9											
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
0											

I. King

TERRAMIN RESEARCH LABS LTD.

2500 - 2591

ANALYTICAL REPORT

Job # 84-055 Corp. Falconbridge Copper Date May 24, 1984

Client Project Mt. Sicker

P.O. 205-80

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF - 2500	49.2	9.67	4.78	2.72	2.80	140	270	57
2501	48.1	8.77	4.92	3.09	2.84	110	93	74
2502	48.8	9.70	5.01	1.90	3.75	140	320	80
2503	49.8	8.86	4.13	2.70	2.99	220	250	81
2504	48.6	10.3	5.42	1.94	3.74	90	134	68
2505	49.2	10.2	5.26	2.49	2.45	130	159	79
2506	50.1	10.3	6.38	2.57	2.49	150	240	65
2507	77.0	.529	.181	5.19	.117	480	5	5
2508	61.0	2.13	1.84	4.49	.217	1220	4	97
2509	62.9	1.51	1.67	4.29	.200	1620	12	99
2510	52.2	2.11	3.25	2.94	.784	850	6	110
2511	46.4	9.21	5.64	2.21	.901	160	51	94
2512	58.2	.416	3.53	2.02	.717	270	56	88
2513	61.2	2.76	2.39	4.33	.600	200	16	95
2514	50.5	4.70	5.49	1.81	.651	110	71	118
2515	67.6	.480	1.40	4.85	.367	430	9	106
2516	53.3	11.3	3.13	1.75	2.37	100	260	67
2517	51.3	11.5	6.85	2.72	1.20	80	131	43
2518	48.8	10.9	7.81	2.35	1.43	140	240	44
2519	74.9	.291	.899	3.73	.250	690	5	52
2520	70.6	.269	.759	1.13	.300	1340	5	59
2521	54.8	.280	2.19	1.60	.733	740	33	154
2522	70.0	.126	1.29	1.02	.217	570	4	99
2523	77.7	.501	1.35	.771	.183	1250	17	28
2524	49.6	5.85	3.38	2.75	.851	140	22	106

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-055 Date

Client Project Mt. Sicker Page 2/4

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF - 2525	50.7	2.83	4.43	2.88	.817	1080	127	93
2526	75.7	.162	.128	5.69	.117	450	16	8
2527	42.6	14.8	4.73	1.17	.884	150	6	32
2528	50.9	10.0	6.04	2.29	2.52	140	125	64
2529	49.2	10.9	4.87	2.53	2.67	70	102	75
2530	50.1	9.83	4.16	2.67	2.64	140	117	64
2531	60.5	5.93	2.27	3.67	.317	620	5	66
2532	50.1	9.79	5.57	2.08	3.72	150	160	61
2533	48.6	9.68	6.80	2.20	3.75	40	280	61
2534	61.0	6.49	2.32	3.87	.334	560	12	92
2535	50.7	9.08	3.93	2.49	2.80	210	380	76
2536	50.7	10.5	5.11	2.29	2.54	240	120	75
2537	49.0	9.93	5.44	1.91	2.25	90	200	92
2538	76.6	.119	.177	5.53	.117	240	5	5
2539	50.1	3.58	3.73	3.69	.701	210	22	116
2540	71.9	.133	.269	.561	.284	1440	6	19
2541	83.0	.997	.487	.198	.150	660	45	41
2542	55.0	.323	4.23	2.05	.817	150	72	113
2543	47.7	1.01	8.01	2.71	.934	640	17	85
2544	55.6	6.18	2.90	3.24	.467	1230	4	74
2545	76.4	.225	.468	5.26	.183	460	2	12
2546	49.8	10.2	6.04	2.24	2.54	130	107	65
2547	50.3	9.46	4.78	2.45	3.27	170	205	79
2548	51.6	8.98	3.95	3.02	.534	330	62	66
2549	51.8	9.47	5.36	2.68	3.14	160	260	57

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-055 Date

Client Project Mt. Sicker Page 3/4

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF - 2550	47.9	9.05	4.58	2.25	6.67	180	340	90
2551	52.2	9.43	4.24	2.57	2.87	210	114	74
2552	51.6	11.1	5.57	2.16	2.60	120	28	63
2553	51.6	10.3	5.69	2.48	2.69	180	109	64
2554	51.3	11.3	6.08	2.21	2.72	160	116	40
2555	79.1	.560	.259	3.14	.117	680	300	14
2556	55.6	4.36	3.05	2.49	.834	710	21	112
2557	53.5	3.46	4.91	2.83	.901	640	20	103
2558	81.3	.130	.398	.661	.150	920	4	13
2559	53.9	3.44	4.99	2.83	.684	170	10	84
2560	50.7	8.44	2.95	1.81	.667	600	27	75
2561	49.4	9.07	5.14	2.29	4.34	200	260	80
2562	51.3	9.85	4.82	2.33	3.27	150	174	75
2563	50.1	11.0	5.67	2.36	2.44	130	127	52
2564	67.4	.459	.655	5.62	.334	480	2	56
2565	55.6	4.06	3.10	2.84	.801	1020	10	101
2566	74.9	.067	.239	.565	.367	1960	7	12
2567	54.1	.248	2.57	.589	.984	2040	46	184
2568	53.1	3.51	4.34	2.87	.801	250	23	80
2569	58.2	5.04	2.82	3.55	.534	2120	13	58
2570	51.3	.169	1.05	.290	.834	650	49	116
2571	70.6	.339	.400	1.30	.150	1630	2	35
2572	48.3	5.46	5.21	2.53	.901	900	23	85
2573	64.6	1.51	1.42	2.93	.217	1600	7	63
2574	64.2	1.89	2.45	3.96	.250	1480	6	51

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-055

Date

Client Project Mt. Sicker

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF - 2575	75.7	1.71	.532	3.77	.133	820	3	8
2576	50.9	11.1	5.07	2.12	2.42	130	109	51
2577	52.6	10.2	5.69	2.43	2.37	200	200	57
2578	51.6	9.70	4.59	2.18	3.14	70	130	77
2579	51.3	10.3	4.34	2.14	2.99	100	128	75
2580	53.1	8.39	2.95	2.13	2.94	480	330	96
2581	71.7	.602	2.65	.146	.133	1220	117	64
2582	71.8	.059	3.22	.133	.183	680	29	23
2583	48.8	11.3	8.97	.226	.984	90	122	99
2584	74.2	.283	3.10	3.11	.250	1160	12	102
2585	71.4	.931	2.09	4.56	.234	730	9	38
2586	80.2	.038	2.77	.131	.150	620	6	21
2587	52.6	9.40	5.41	2.60	3.39	240	182	57
2588	57.8	.295	4.18	1.75	.767	260	52	97
2589	47.1	8.14	3.76	2.55	.767	140	127	126
2590	52.0	11.1	6.07	2.32	2.62	140	63	43
2591	66.5	.438	.675	5.82	.384	490	2	62

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

JUN - 8 1984

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Corp. Falconbridge Copper Date June 6, 1984

Client Project Mt. Sicker

P.O. 205-80

2592 – 2675
2750 → 2781
3000 – 3085

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2592	66.7	.586	2.84	3.36	.217	880	6	46
2593	71.4	.617	1.77	1.23	.200	2610	128	48
2594	49.4	7.41	5.34	3.33	2.80	140	187	63
2595	50.1	9.89	5.65	2.59	1.68	300	134	56
2596	70.6	.294	1.30	4.68	.183	810	16	71
2597	51.3	1.51	6.67	2.76	2.12	120	109	109
2598	52.6	5.93	2.98	2.70	2.75	460	530	83
2599	65.2	.348	1.86	3.41	.200	1830	47	50
2600	48.6	8.97	5.52	2.56	2.03	330	146	55
2601	73.8	.330	2.88	.582	.167	3100	10	167
2602	57.8	.942	5.94	.262	.550	2030	134	168
2603	73.8	.325	2.17	1.39	.167	2910	5	32
2604	47.9	10.4	5.55	2.40	2.49	170	116	48
2605	49.0	10.5	5.62	2.48	2.37	260	101	39
2606	48.8	10.2	5.72	2.28	2.59	250	92	47
2607	49.2	9.00	4.13	2.56	3.32	170	178	63
2608	47.9	9.88	5.39	2.29	2.70	100	103	61
2609	47.3	9.25	4.82	2.21	3.37	180	205	71
2610	48.8	10.3	5.90	2.20	2.44	160	115	50
2611 STANDARD	48.6	9.49	5.14	1.94	3.07	230	182	55
2612	48.8	9.99	5.11	2.06	2.77	190	144	63
2613 DUPLICATE	51.1	10.0	5.41	2.18	1.63	350	103	53
2614	46.6	9.77	5.27	2.10	3.84	120	270	63
2615	52.0	9.65	4.99	2.64	1.85	130	90	46
2616	50.7	10.3	5.17	2.36	2.22	160	131	51

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 2/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2617	48.8	10.7	5.37	2.10	2.27	180	102	50
2618	49.6	11.0	5.87	2.18	2.52	120	47	41
2619	75.9	.445	.131	6.69	.167	340	2	7
2620	63.1	2.87	1.23	2.12	.183	1880	6	57
2621	56.7	5.37	3.53	2.75	.617	1100	9	76
2622	72.3	1.23	.522	4.04	.117	970	1	24
2623	55.0	.260	2.55	3.53	.751	200	69	82
2624	50.1	5.06	2.70	.431	.917	1300	2	90
2625	54.8	2.67	3.30	2.97	.917	1080	22	86
2626	67.4	.166	.754	.682	.267	1890	16	51
2627	75.1	.020	.201	.375	.200	1010	18	19
DUPLICATE 2628 SEE 2634	63.1	.803	1.57	2.70	.684	1130	23	79
2629	58.2	1.87	3.53	4.84	.634	340	12	74
2630 STANDARD	51.1	9.44	4.92	2.48	3.02	230	158	59
2631	50.9	8.93	6.37	1.81	1.83	200	139	71
2632	49.2	11.8	7.23	1.86	1.40	300	70	42
2633	54.3	9.22	1.77	5.82	1.00	470	103	15
2634	50.5	7.12	3.50	5.19	.817	1570	102	82
2628 2635 DUPLICATE	72.1	.567	.695	2.88	.234	890	16	38
2636	52.8	6.69	4.86	5.85	.734	400	81	63
2637	48.1	7.81	8.80	3.15	.867	600	49	60
2638	50.9	7.00	2.50	5.14	.884	510	54	78
2639	50.5	10.8	6.88	1.90	1.42	120	95	45
2640	52.0	2.32	3.53	2.97	.901	260	25	85
2641	73.4	1.07	.259	2.04	.200	850	4	16

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 3/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2642	68.7	.081	.683	.603	.217	1770	47	46
2643	62.0	.597	2.40	1.50	.717	1140	27	96
2644	56.9	.214	2.02	2.01	.751	640	19	77
2645	77.9	2.42	1.67	1.54	.117	1050	1	26
2663 2646 DUP	68.2	.234	1.03	5.22	.200	800	5	65
2647	77.0	2.53	1.69	1.97	.150	1250	1	23
2648	75.3	1.23	.274	.399	.317	1740	24	14
2649	71.4	1.24	.640	2.72	.217	740	7	43
2650	49.4	11.2	7.10	2.08	1.33	320	109	41
2651	54.5	3.50	5.07	6.31	.634	1000	1	38
2652	49.0	6.72	7.71	3.84	.767	420	70	61
2653	49.8	9.26	5.54	3.56	.884	1130	280	58
2654	60.5	2.29	2.19	7.54	.550	420	40	78
2655	51.1	4.80	5.50	4.11	.801	2020	86	75
2656 STANDARD	50.9	9.56	5.45	2.29	3.14	230	280	50
2657	52.2	5.57	6.86	2.36	1.73	190	131	82
2658 A	51.3	9.35	5.80	2.47	1.75	300	103	59
2658 B	73.6	.273	.675	3.09	.217	730	5	38
2659	55.2	.253	3.66	2.20	.751	330	52	88
2660	48.8	9.12	4.18	2.52	3.04	200	320	64
2661	49.2	11.6	7.36	2.33	1.38	230	113	39
2662	50.1	9.88	7.71	2.41	1.53	160	80	46
2646 2663 DUPLICATE	67.4	.239	1.12	5.11	.200	720	3	76
2664	49.2	9.26	5.39	2.66	2.12	230	116	51
2665	52.2	12.5	2.14	.627	.934	120	14	67

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 4/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2666	58.6	.748	2.95	1.23	.634	1270	19	84
2667	49.2	.210	2.93	.499	.817	1120	390	165
2668	70.2	.179	.645	2.56	.217	760	8	43
~~2669 STANDARD~~	~~50.9~~	~~9.29~~	~~5.06~~	~~2.31~~	~~2.90~~	~~260~~	~~179~~	~~56~~
2670	76.6	.158	.385	3.77	.183	1220	3	13
2685 2671 DUPLICATE	48.1	10.4	7.36	3.03	.667	300	73	52
2672	74.4	.227	.179	3.49	.217	1400	28	62
2673	71.4	.145	.623	.460	.217	1350	14	94
2674	49.6	9.57	6.35	2.16	2.35	130	91	52
2675	48.1	7.83	6.02	2.59	2.35	120	54	95
2750	49.4	9.85	6.15	2.13	2.00	170	87	60
2751	50.1	12.3	8.14	2.14	.667	540	82	24
2752	62.0	6.11	2.54	3.64	.517	810	16	40
2753	50.5	9.63	4.08	2.00	2.89	200	171	71
2754	69.7	.113	2.47	1.09	.167	1950	23	36
2755	44.5	6.94	3.98	1.63	7.84	130	200	79
2756	47.7	8.45	4.19	2.53	4.00	300	144	61
3037 2757 DUPLICATE	50.3	7.97	2.90	1.95	3.50	320	300	85
2758	61.0	5.55	2.59	3.56	.467	970	22	39
2759	59.0	6.38	2.84	3.42	.550	770	15	25
2760	74.4	.224	.660	.294	.183	1680	16	35
2761	47.9	12.8	7.38	1.69	1.18	140	68	32
2762	69.1	.218	1.52	1.62	.217	1420	2	54
2763	68.9	.186	.550	3.33	.217	740	4	51
2764	69.7	1.65	1.03	5.66	.234	3770	18	29

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 5/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2765	49.0	5.18	5.87	3.57	.734	460	51	72
2766	49.0	5.79	5.02	5.12	.684	540	83	61
2767	47.1	10.1	6.90	2.95	.751	430	75	60
2768	52.0	2.20	6.95	3.01	.651	420	90	77
2769	77.2	.063	.239	.375	.150	1000	5	26
2770	70.2	.157	.524	.655	.217	4200	3	51
2771	71.0	.319	.960	4.02	.200	590	3	173
2772	48.6	10.6	5.69	2.22	1.22	260	97	47
2773	47.7	8.55	5.07	2.25	2.07	150	175	84
2774	49.0	10.6	6.95	2.04	1.52	240	143	46
2775 STANDARD	49.8	9.44	5.34	2.28	2.97	230	204	68
2776	67.8	.041	6.35	.011	.234	120	46	280
2777	49.6	8.37	7.58	3.55	.651	450	140	56
2778	70.4	.617	.353	5.16	.217	850	1	41
2779	64.8	1.89	1.11	.493	.317	1130	24	350
2780	49.6	.092	1.10	.036	.934	460	109	155
2781	93.5	.057	.802	.005	.033	20	520	96
3000	72.7	2.85	2.77	.226	.150	1560	6	36
3001	47.3	.088	.201	.059	.067	730	180	6
3002	72.7	.930	1.24	6.94	.200	500	16	21
3003	68.0	.432	1.79	3.10	.234	2680	11	118
3004	72.3	.218	2.16	3.88	.167	1110	10	111
3005	77.4	.014	.610	.142	.117	1550	6	39
3006	70.8	.017	.575	.135	.150	1710	7	23
3007	70.8	.014	2.16	.137	.133	1680	29	14

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062

Date

Client Project

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-3008	78.1	.042	1.18	.093	.100	1540	4	28
3009	75.5	.013	1.72	.105	.133	1720	3	25
3010	58.8	6.32	2.92	3.46	.500	1090	35	44
3011	74.7	.294	2.01	.129	.117	1440	4	44
3012 STANDARD	48.6	9.64	5.11	2.08	2.69	230	150	64
3013	79.1	.014	.342	.131	.100	1970	18	1
3014	75.5	.043	.832	.131	.117	1710	17	8
3015	70.4	.013	1.26	.117	.133	2500	16	11
3016	50.1	10.3	5.26	2.56	2.39	110	97	45
3017	49.6	9.86	4.97	2.13	2.45	110	61	59
3018	76.2	.281	.809	.218	.150	2100	4	10
3019	70.6	.297	2.24	1.62	.150	2670	18	12
3020	71.4	.168	1.29	.103	.117	3000	41	8
3021	52.4	.393	5.06	2.83	.245	100	1240	103
3022	48.6	10.5	6.20	2.26	2.03	210	162	56
3023	52.6	7.61	3.05	2.22	2.95	390	260	94
3024	46.8	7.50	4.19	2.44	5.84	90	142	96
3025	98.8	.013	.017	.034	.033	20	3	1
3026	47.7	13.3	3.83	.906	3.09	30	310	77
3027	48.6	7.48	4.39	2.51	2.14	380	105	96
3028	49.2	9.75	5.60	2.24	2.57	130	49	85
3029	50.7	9.61	4.79	2.48	2.67	310	150	72
3030	50.5	10.4	6.00	1.62	2.45	90	62	68
3031	47.5	13.2	8.09	1.47	.751	450	25	60
3032	65.2	2.39	1.10	2.29	.217	1940	10	47

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 7/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-3033	82.1	.035	.114	.400	.133	1180	4	8
3034	72.3	.330	.640	.504	.300	1160	57	28
3035	79.6	.048	.143	.348	.250	550	18	13
3036	69.7	1.83	.758	2.72	.234	890	2	48
DUP 3037 2757	50.3	7.72	2.90	1.87	3.70	310	300	91
3038	54.3	5.06	2.19	6.74	.967	440	4	76
3039	49.2	11.3	7.13	2.09	1.33	160	100	50
3040	48.6	9.50	5.14	2.60	1.82	190	154	63
3041	48.3	7.46	6.57	4.54	.817	500	73	77
3042	51.3	6.06	6.73	4.95	.717	220	64	64
3 4043	50.5	7.93	6.76	2.56	1.70	270	129	72
3044	50.1	10.3	6.90	2.35	1.32	180	152	54
3045 STANDARD	50.1	9.63	5.34	2.09	3.22	270	143	62
3046	49.0	8.95	4.51	2.51	3.04	410	155	68
3047	55.2	2.35	3.55	4.69	.617	400	26	98
3048	70.6	.428	.688	3.32	.267	880	6	46
3049	70.4	.344	1.96	.558	.234	1510	8	68
3050	99.7	.011	.017	.096	.017	70	7	2
3051	61.6	1.45	1.77	.833	.884	1380	18	159
3052	82.4	.113	.386	.445	.100	850	3	38
3053	77.9	.661	.424	.772	.100	660	1	14
3054	46.4	7.48	3.91	3.72	.834	650	18	68
3055	63.1	2.36	1.66	2.67	.200	1730	1	54
3056	46.2	12.7	7.06	2.10	.784	90	7	51
3057	50.9	11.0	6.32	2.05	2.35	200	162	69

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 8/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-3058	49.2	10.6	6.23	2.24	2.52	260	47	56
3059	50.9	10.3	5.12	2.25	2.27	200	132	58
3060	51.1	8.25	4.41	2.06	2.87	120	175	98
3061	50.1	10.9	5.69	1.74	2.32	140	94	71
3062	65.5	.299	4.01	4.80	.250	1030	4	145
3063	73.2	.063	2.29	.178	.167	1670	4	131
3064	73.8	.043	2.07	.171	.167	1420	6	19
3065	50.3	10.0	5.94	2.13	2.55	270	83	57
3066	52.0	5.19	3.08	5.69	.867	1490	3	43
3067	72.3	.539	.857	5.82	.217	210	2	41
3068	48.8	10.3	5.89	2.37	2.37	180	131	61
3069	77.0	.406	1.91	3.68	.150	1770	16	12
3070	57.1	.491	4.28	2.91	.350	540	22	81
3071	50.7	9.30	6.55	4.00	.651	640	90	45
3072	72.3	1.51	.718	2.02	.250	810	3	41
3073 STANDARD	49.6	9.53	5.37	2.24	2.87	290	260	57
3074	52.4	2.95	3.30	2.64	.967	230	36	107
3075	48.8	8.81	6.02	2.48	2.30	140	113	66
3076	48.6	9.95	7.89	2.21	1.62	220	124	55
3077	50.7	.084	6.15	.086	1.08	1700	27	104
3078	79.4	2.03	.504	.278	.133	690	5	32
3079	61.6	5.81	2.42	3.41	.417	1000	11	47
3080	54.1	6.60	5.89	5.10	.684	1230	134	38
3081	56.7	.229	1.87	1.81	.434	1970	18	92
3082	79.4	.642	.491	.299	.150	760	4	39

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-062 Date

Client Project Page 9/9

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-3083	76.4	.101	.831	.357	.167	1070	6	102
3084	84.1	.041	.297	.195	.050	700	11	108
3085	85.6	.083	2.19	.011	.067	10	6	45

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-081 Corp. Falconbridge Copper Date June 24, 1984

Client Project Mt. Sicker Page 1/2

P.O. 204-80

Sample No.	SiO_2 %	CaO %	MgO %	Na_2O %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm
PF-2689	71.0	1.47	1.79	2.21	.150	1420	9	25
2690	70.2	1.06	1.66	5.45	.167	1010	9	17
2691	50.7	9.43	5.14	2.04	3.25	290	178	60
2692	62.2	2.88	2.92	4.10	.334	1100	8	56
2693	74.4	.083	.922	1.19	.167	1320	21	21
2694	50.7	5.46	6.50	4.19	.817	590	63	69
2695	49.4	10.2	6.63	2.48	2.02	250	165	45
2696	49.8	8.83	6.68	2.56	2.03	120	103	57
2697	48.3	10.7	6.15	1.94	2.75	200	138	62
2698	67.2	.076	.739	.384	.400	1200	17	32
2699	70.8	.088	.667	.404	.267	1620	24	26
2700	51.3	7.61	5.01	2.18	2.54	190	191	105
2701	72.7	.630	.086	3.59	.400	1570	96	41
2702	60.8	2.98	2.90	4.07	.317	1070	9	56
2703	50.7	9.35	6.23	2.98	2.19	150	110	79
2704	48.8	9.39	5.57	2.41	2.29	280	180	58
2705	68.5	.663	1.54	4.97	.434	680	4	94
2706	73.2	.099	2.25	1.59	.217	920	4	58

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

TERRAMIN RESEARCH LABS LTD.

JOB # 84-081

	Client No.	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	Ba ppm	Cu ppm	Zn ppm		L.O.I. %
1	BCS-0621	41.7	25.3	.015	4.06	.264	7.03	12.2	.135	1.33	3080	135	66		7.85
2	0623	76.6	12.6	.039	.428	.402	3.78	2.23	.004	.133	1200	8	3		2.70
3	0701	51.3	16.2	.562	6.10	3.65	.323	15.4	.222	2.02	220	85	149		4.25
4	0702	47.1	17.2	8.39	4.79	3.49	.113	14.4	.222	1.93	170	17	115		2.70
5	0703	46.6	17.4	10.0	4.31	2.31	.123	14.2	.210	1.85	120	139	118		3.10
	0705	46.4	21.9	9.92	3.42	2.52	1.14	10.4	.151	1.05	640	11	72		3.20
7															
8															
9															
0															
1															
2															
3															
5															
6															
7															
8															
9															
0															