NEWHAWK GOLD MINES LTD
Box 308
Stewart, B. C.

802705

Dr. Rod Kirkham
Energy, Mines and Resources Canada
Geological Survey of Canada
601 Booth Street
Ottawa, Ontario
K1A 0E8

Dear Rod;

Life in Brucejack isn't half as cold or as wintery as I expected. With about five weeks to go there is no snow on the ground and we've had some beautiful sunny days over the past few weeks. Work in the dark is progressing well with approximately half of the projected 1200' completed to date. I've received some more assay results for your samples so I'll pass them on.

Regional Sampling on the Sulphurets Property 1986

		oz/t	oz/t	
Hanging Glacier Zone				
2276	0.1m Qtz Vn with Py + Tt	6.15 Ag	0.314 Au	(No.8)
2277	Grab Barite, Calc vn with Py,Ga,Sp	0.37	0.005	(No.9)
2278	Grab " " + Pyrargerite	73.01	0.015	(No.10)
2279	Grab " " "	123.14	0.010	(Ken's)
Mitchell Toe Zone				
2249	Grab Siliceous sericite with Py,Cpy,Ga	0.01	0.003	(96A)
South Mitchell Zone				
2251	Grab Narrow qtz vn with Py,Cpy,Tt	0.27	0.041	(113A)
2252	Grab Sericite, qtz vn with Py,Cpy,Tt	1.91	0.012	(115C)
2253	Grab Narrow 0.1m qtz vn with Sp,Cpy	0.70	0.005	(118A)
2254	Grab Heavy diss Py in sericite sch	0.25	0.050	(118C)
2255	0.5m Qtz vn with Tt,Cpy,Sp,Py	9.38	0.014	(118D)
2256	2.0 Qtz vn	0.19	0.004	(118E)
2257	1.0 Qtz stringers with Tt,Cpy,Py	4.91	0.035	(118F)
West Snowfield Zone				
2250	Grab Pyritic vn with Tt,Argentite?	1.97	0.014	(72A)

I believe that this should complete the results for all the samples that were taken. Please feel free to give me a call at the office if you need any other information and if you're in Vancouver, drop by the office.

Regards,

Ken Hicks

Ken Hicks

Nfld 2210781 46-87 Ballantyne S. B.

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Ottawa, Ontario,
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Geochemical Lab Report

REPORT: 017-2937 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOLOGICAL SURVEY OF CANADA
PROJECT: 23233-6-1332

SUBMITTED BY: P. BELANGER
DATE PRINTED: 20-JUL-87

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	V	Vanadium	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
2	Cr	Chromium	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
3	Mn	Manganese	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
4	Fe	Iron	138	0.1 PCT	Hf-HClO4-HNO3-HCl	DC Plasma
5	Co	Cobalt	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
6	Ni	Nickel	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
7	Cu	Copper	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
8	Zn	Zinc	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
9	As	Arsenic	138	5 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
10	Se	Selenium	138	5 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
11	Mo	Molybdenum	138	1 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
12	Ag	Silver	138	0.5 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
13	Cd	Cadmium	138	1.0 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
14	Sn	Tin	138	10 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
15	Sb	Antimony	138	5 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
16	Te	Tellurium	138	10 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
17	W	Tungsten	138	10 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
18	Pb	Lead	138	5 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
19	Bi	Bismuth	138	2 PPM	Hf-HClO4-HNO3-HCl	DC Plasma
20	U	Uranium	138	10 PPM	Hf-HClO4-HNO3-HCl	DC Plasma

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SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
PREPARED PULP	138	AS RECEIVED	138	AS RECEIVED, NO SP	138

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: P.G. BELANGER

INVOICE TO: P.G. BELANGER

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	V PPM	Cr PPM	Mn PPM	Fe PCT	Co PPM	Ni PPM	Cu PPM	Zn PPM	As PPM	Se PPM	Mo PPM
104B 869107		133	408	1779	5.7	45	454	102	184	<5	<5	1
DUPLICATE		129	383	1781	5.9	45	452	100	198	6	<5	1
104B 869108		60	2	89	4.5	7	2	697	6110	<5	<5	134
104B 869109		25	2	136	4.9	10	3	4460	4146	19	<5	250
104B 869110		81	5	88	3.4	9	2	6150	1680	85	<5	207
104B 869111		150	4	515	5.8	17	3	212	138	<5	<5	5
104B 869112		246	26	516	2.4	9	13	3460	80	<5	<5	19
104B 869113		10	<14	91	1.7	1	2	1800	14800	>2000	<5	<1
104B 869114		95	5	112	1.5	<1	<1	11	98	35	<5	3
104B 869115		132	5	553	4.2	5	<1	35	112	20	<5	<1
104B 869116		4	3	19	0.1	<1	<1	8	28	18	<5	<1
DUPLICATE		3	3	14	<0.1	<1	<1	8	28	12	<5	<1
104B 869117		129	381	1788	6.0	44	453	101	242	8	<5	2
104B 869118		38	5	24	0.9	<1	<1	33	128	<5	<5	12
104B 869119		3	4	13	0.8	10	1	3600	>20000	290	<5	<1
104B 869120		53	3	25	1.5	4	<1	61	598	76	<5	305
104B 869121		78	4	14	6.2	18	1	210	134	5	<5	83
104B 869122		104	5	21	3.3	9	4	19	570	54	<5	5
104B 869123		<1	1	7	<0.1	<1	<1	3	38	<5	<5	<1
104B 869124		<1	3	245	0.5	<1	<1	212	3610	29	<5	<1
DUPLICATE		1	2	251	0.5	<1	<1	207	3484	13	<5	<1
104B 869125		80	5	45	3.0	5	2	14	36	28	<5	1
104B 869126		8	1	11	0.7	<1	<1	9	104	22	<5	5
104B 869127		129	392	1703	5.7	44	445	100	194	16	<5	1
104B 869128		73	4	41	3.0	7	1	332	878	87	<5	5
104B 869129		7	4	8	0.4	2	1	477	9770	87	<5	<1
104B 869130		106	8	64	2.7	2	<1	17	114	422	<5	1
104B 869131		127	5	2020	5.2	9	<1	6	186	5	<5	1
104B 869132		248	10	25	5.8	21	<1	110	298	21	<5	15
104B 869133		215	5	11	5.2	19	1	148	48	<5	<5	34
104B 869134		125	6	13	3.3	8	2	156	72	12	<5	1842
104B 869135		117	5	25	3.5	8	<1	302	118	106	<5	9
104B 869136		107	3	21	8.8	27	2	296	130	<5	<5	108
104B 869137		132	439	1262	5.8	38	35	58	186	18	<5	3
104B 869138		<1	3	7	0.5	<1	<1	541	5820	<5	<5	<1
104B 869139		149	6	116	7.2	25	4	1075	256	17	<5	115
104B 869140		136	6	16	5.9	9	3	109	74	<5	<5	17
104B 869141		104	4	312	5.2	12	<1	6920	161	<5	<5	5
DUPLICATE		107	5	338	5.5	13	1	6860	176	<5	<5	5
104B 869142		87	5	23	5.2	12	<1	341	272	18	<5	592

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	W PPM	Pb PPM	Bi PPM	U PPM
104B 869107		<0.5	1.5	<10	<5	<10	<10	52	<2	<10
DUPLICATE		<0.5	1.1	<10	7	<10	<10	52	<2	<10
104B 869108		15.9	168.3	<10	15	<10	<10	2288	<2	<10
104B 869109		18.2	68.8	<10	28	<10	<10	626	<2	<10
104B 869110		29.5	49.8	<10	120	<10	<10	738	<2	<10
104B 869111		1.2	<1.0	<10	<5	<10	<10	74	<2	<10
104B 869112		5.9	<1.0	<10	21	<10	<10	96	<2	<10
104B 869113		>100.0	109.8	<10	2040	<10	<10	8460	<2	<10
104B 869114		14.0	<1.0	<10	19	<10	<10	54	<2	<10
104B 869115		1.8	<1.0	<10	13	<10	<10	22	<2	<10
104B 869116		5.2	<1.0	<10	7	<10	<10	24	<2	<10
DUPLICATE		4.7	<1.0	<10	16	<10	<10	22	<2	<10
104B 869117		<0.5	1.5	<10	5	<10	<10	50	<2	<10
104B 869118		7.0	1.5	<10	26	<10	<10	448	<2	<10
104B 869119		>100.0	>2000.0	<10	138	<10	<10	>20000	<2	<10
104B 869120		2.4	5.0	<10	37	<10	<10	580	<2	<10
104B 869121		4.9	1.1	<10	<5	<10	<10	44	<2	<10
104B 869122		<0.5	6.3	<10	14	<10	<10	40	<2	<10
104B 869123		<0.5	<1.0	<10	6	<10	<10	<5	<2	<10
104B 869124		>100.0	26.1	<10	15	<10	<10	1624	<2	<10
DUPLICATE		>100.0	26.3	<10	10	<10	<10	1570	<2	<10
104B 869125		9.8	<1.0	<10	7	<10	<10	42	<2	<10
104B 869126		1.8	<1.0	<10	11	<10	<10	26	<2	<10
104B 869127		<0.5	1.2	<10	11	<10	<10	52	<2	<10
104B 869128		>100.0	9.6	<10	119	<10	<10	6720	<2	<10
104B 869129		51.0	181.5	<10	50	<10	<10	1130	<2	<10
104B 869130		1.6	<1.0	<10	12	<10	<10	36	<2	<10
104B 869131		<0.5	<1.0	<10	6	<10	<10	28	<2	<10
104B 869132		<0.5	2.0	<10	<5	<10	<10	146	<2	<10
104B 869133		0.6	<1.0	<10	19	<10	<10	48	<2	<10
104B 869134		<0.5	<1.0	<10	<5	<10	<10	36	<2	<10
104B 869135		0.5	<1.0	<10	14	<10	<10	52	<2	<10
104B 869136		3.4	<1.0	<10	7	<10	<10	52	<2	<10
104B 869137		<0.5	<1.0	<10	11	<10	<10	52	<2	<10
104B 869138		<0.5	165.0	<10	<5	<10	<10	16	<2	<10
104B 869139		1.2	2.2	<10	9	<10	<10	122	<2	<10
104B 869140		<0.5	<1.0	<10	<5	<10	<10	64	<2	<10
104B 869141		5.0	<1.0	<10	<5	<10	<10	44	<2	<10
DUPLICATE		4.4	<1.0	<10	12	<10	<10	50	<2	<10
104B 869142		0.9	1.0	<10	7	<10	<10	54	<2	<10

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	V PPM	Cr PPM	Mn PPM	Fe PCT	Co PPM	Ni PPM	Cu PPM	Zn PPM	As PPM	Se PPM	Mo PPM
104B 869143		121	14	42	4.6	15	3	774	76	<5	<5	240
104B 869144		73	6	397	3.1	10	<1	574	1584	<5	<5	103
104B 869145		115	5	96	4.1	5	<1	699	152	<5	<5	110
104B 869146		27	4	24	11.1	8	<1	>20000	822	1349	<5	35
104B 869147		115	424	1650	5.4	39	409	93	162	<5	<5	4
104B 869148		137	12	134	4.1	5	<1	952	105	<5	<5	42
104B 869149		171	8	205	4.0	5	2	756	280	25	<5	99
104B 869150		67	3	2603	4.7	18	<1	1038	174	<5	<5	64
DUPLICATE		72	4	2709	4.7	20	<1	1090	194	<5	<5	67
104B 869151		111	4	116	6.1	2	<1	708	206	159	<5	11
104B 869152		94	4	296	5.2	11	<1	6810	156	<5	<5	5
104B 869153		106	30	396	3.4	9	16	508	104	13	<5	13
104B 869154		109	5	929	4.4	10	<1	904	131	9	<5	17
104B 869155		120	3	1586	5.4	8	1	1213	128	8	<5	12
104B 869156		30	2	3311	1.4	2	<1	2390	1488	143	<5	3
104B 869157		122	473	1161	5.4	33	308	51	154	7	<5	4
104B 869158		99	4	664	4.2	9	1	5100	156	8	<5	8
DUPLICATE		97	3	674	4.4	9	<1	5250	160	<5	<5	9
104B 869160		143	9	1769	5.5	6	1	1175	132	<5	<5	14
104B 869161		15	5	8290	7.1	13	3	272	15960	272	<5	1
104B 869162		125	4	826	5.2	12	1	1900	110	11	<5	9
104B 869163		139	6	541	5.8	12	2	1590	96	<5	<5	40
104B 869164		184	9	1407	4.5	11	3	481	224	<5	<5	19
104B 869165		153	16	588	2.6	18	<1	575	112	12	<5	145
104B 869166		35	4	209	2.7	2	1	12610	>20000	55	<5	2
104B 869167		116	444	1100	5.3	32	293	51	154	16	<5	3
104B 869168		96	4	36	5.2	11	1	44	37	<5	<5	3
104B 869169		14	1	21	24.2	5	<1	416	112	13	<5	<1
104B 869170		28	2	507	2.8	3	<1	6910	>20000	711	<5	8
104B 869171		33	3	865	1.1	1	<1	670	1472	97	<5	14
104B 869172		64	3	1024	2.3	4	<1	6480	5638	1154	<5	<1
104B 869174		113	6	1127	3.9	9	<1	203	280	21	<5	3
104B 869175		48	11	131	2.5	4	3	1202	>20000	114	<5	9
104B 869176		14	5	9205	6.4	11	2	236	16000	222	<5	1
104B 869177		135	386	1704	5.6	44	452	100	184	8	<5	<1
DUPLICATE		120	349	1613	5.6	39	421	89	176	<5	<5	<1
104B 869178		128	28	1707	3.3	6	28	126	368	46	<5	27
104B 869179		59	11	3688	2.7	10	6	99	>20000	400	<5	1
104B 869180		269	91	1350	7.2	16	18	27	151	201	<5	<1
104B 869181		573	9	49	1.8	8	4	6040	262	187	<5	3

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	W PPM	Pb PPM	Bi PPM	U PPM
104B 869143		0.8	<1.0	<10	<5	<10	<10	46	<2	<10
104B 869144		3.0	39.5	<10	10	<10	<10	148	<2	<10
104B 869145		1.5	<1.0	<10	30	<10	<10	72	<2	<10
104B 869146		32.6	7.4	<10	526	<10	<10	152	<2	<10
104B 869147		1.9	<1.0	<10	9	<10	<10	44	<2	<10
104B 869148		2.2	<1.0	<10	13	<10	<10	134	<2	<10
104B 869149		1.8	1.5	<10	5	<10	<10	64	<2	<10
104B 869150		8.7	1.7	<10	<5	<10	<10	218	<2	<10
DUPLICATE		9.2	2.0	<10	<5	<10	<10	258	<2	<10
104B 869151		3.4	<1.0	<10	6	<10	<10	36	<2	<10
104B 869152		5.0	<1.0	<10	<5	<10	<10	48	<2	<10
104B 869153		1.2	<1.0	<10	<5	<10	<10	21	<2	<10
104B 869154		1.8	<1.0	<10	<5	<10	<10	33	<2	<10
104B 869155		3.9	<1.0	<10	7	<10	<10	29	<2	<10
104B 869156		42.6	23.0	<10	208	<10	<10	894	<2	<10
104B 869157		0.7	<1.0	<10	<5	<10	<10	60	<2	<10
104B 869158		4.4	2.3	<10	<5	<10	<10	40	<2	<10
DUPLICATE		4.4	2.0	<10	<5	<10	<10	42	<2	<10
104B 869160		1.0	<1.0	<10	<5	<10	<10	42	<2	<10
104B 869161		>100.0	135.3	<10	46	<10	<10	10440	<2	<10
104B 869162		1.8	<1.0	<10	<5	<10	<10	41	<2	<10
104B 869163		2.1	<1.0	<10	<5	<10	<10	49	<2	<10
104B 869164		<0.5	<1.0	<10	<5	<10	<10	176	<2	<10
104B 869165		4.5	<1.0	<10	26	<10	<10	148	<2	<10
104B 869166		47.6	595.7	<10	134	<10	<10	430	<2	<10
104B 869167		<0.5	<1.0	<10	6	<10	<10	58	<2	<10
104B 869168		<0.5	<1.0	<10	<5	<10	<10	37	<2	<10
104B 869169		2.8	1.1	<10	10	<10	<10	294	<2	<10
104B 869170		>100.0	969.7	<10	1140	<10	<10	11500	<2	<10
104B 869171		38.2	20.5	<10	241	<10	<10	910	<2	<10
104B 869172		94.6	84.7	<10	2800	<10	<10	3140	<2	<10
104B 869174		0.7	1.3	<10	<5	<10	<10	35	<2	<10
104B 869175		>100.0	1264.7	<10	51	<10	<10	>20000	<2	<10
104B 869176		93.6	142.3	<10	33	<10	<10	10260	<2	<10
104B 869177		<0.5	<1.0	<10	5	<10	<10	56	<2	<10
DUPLICATE		<0.5	<1.0	<10	<5	<10	<10	52	<2	<10
104B 869178		<0.5	2.1	<10	<5	<10	<10	24	<2	<10
104B 869179		10.9	253.4	<10	17	<10	<10	2512	<2	<10
104B 869180		0.7	<1.0	<10	10	<10	<10	87	<2	<10
104B 869181		9.7	<1.0	<10	<5	<10	<10	23	<2	<10

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SAMPLE NUMBER	ELEMENT UNITS	V PPM	Cr PPM	Mn PPM	Fe PCT	Co PPM	Ni PPM	Cu PPM	Zn PPM	As PPM	Se PPM	Mo PPM
104B 869182		120	18	2413	5.6	31	23	214	>20000	>2000	<5	1
104B 869183		186	28	1339	8.0	31	20	203	>20000	>2000	<5	<1
104B 869184		36	6	7059	4.2	10	8	88	598	803	<5	1
104B 869185		9	2	7195	2.5	3	<1	551	5798	47	<5	3
104B 869186		113	35	4067	3.7	6	9	558	9280	132	139	<1
DUPLICATE		113	33	3872	3.6	6	9	541	9120	118	139	1
104B 869187		119	349	1601	5.4	38	392	90	170	<5	<5	<1
104B 869188		186	36	755	3.1	32	25	97	58	41	10	2
104B 869189		425	21	1827	5.8	9	4	43	129	<5	<5	<1
104B 869190		80	1	1010	3.4	6	<1	8	79	15	<5	<1
104B 869191		353	31	2388	7.2	20	11	68	106	<5	<5	<1
104B 869192		235	175	37	4.9	13	25	205	24	15	16	5
104B 869193		245	4	17	1.3	2	<1	182	17	<5	<5	35
104B 869194		95	21	1300	3.5	7	4	19	82	<5	<5	<1
DUPLICATE		94	15	1363	3.7	5	<1	26	90	8	<5	<1
104B 869195		296	21	632	5.0	6	1	4170	112	104	6	10
104B 869196		565	6	52	1.7	6	2	6250	240	171	<5	2
104B 869197		120	365	1588	5.3	38	395	91	159	<5	<5	<1
104B 869198		131	23	3053	4.2	12	4	91	346	34	<5	<1
104B 869199		799	51	978	16.7	4	8	>20000	1316	130	<5	176
104B 869200		223	81	2355	6.3	31	22	195	127	<5	<5	<1
104B 869201		70	7	53	1.7	2	<1	33	53	37	<5	<1
104B 869202		225	14	255	3.1	8	4	2500	85	1327	6	20
104B 869203		154	26	1800	4.4	10	4	19	87	<5	<5	<1
104B 869204		163	10	377	2.7	7	6	1289	88	<5	<5	1
104B 869205		127	10	1729	4.7	9	2	31	83	<5	<5	<1
104B 869206		123	12	1482	4.7	7	<1	29	100	15	<5	<1
104B 869207		136	523	1271	5.9	36	357	58	160	<5	<5	2
104B 869208		115	10	1736	4.4	9	3	14	72	12	<5	<1
104B 869209		130	13	1804	4.5	9	3	26	92	34	<5	<1
104B 869210		69	8	56	1.9	<1	<1	26	64	42	<5	<1
104B 869211		18	2	100	1.0	1	<1	2900	11100	352	25	<1
DUPLICATE		14	2	94	1.0	1	<1	2930	11480	329	22	<1
104B 869212		29	3	35	1.7	2	<1	770	9940	146	<5	5
104B 869213		85	4	4466	5.1	10	<1	214	2338	<5	<5	1137
104B 869214		117	<1	3088	5.8	8	<1	156	1424	9	<5	53
104B 869215		119	3	1228	4.6	9	<1	417	768	8	<5	153
104B 869216		165	4	1626	4.6	13	<1	623	456	<5	<5	82
104B 869217		106	362	1584	5.2	36	356	85	160	<5	<5	1
104B 869218		149	5	560	3.8	13	<1	1120	678	30	<5	567

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	W PPM	Pb PPM	Bi PPM	U PPM
104B 869182		>100.0	411.2	<10	530	<10	<10	15100	<2	<10
104B 869183		44.4	279.1	<10	268	<10	<10	810	<2	<10
104B 869184		>100.0	4.7	<10	163	<10	<10	192	<2	<10
104B 869185		14.8	48.6	<10	119	<10	<10	3442	<2	<10
104B 869186		>100.0	105.2	<10	111	<10	<10	6000	<2	<10
DUPLICATE		>100.0	106.7	<10	91	<10	<10	5760	<2	<10
104B 869187		0.7	1.3	<10	<5	<10	<10	55	<2	<10
104B 869188		5.2	<1.0	<10	8	<10	<10	87	<2	<10
104B 869189		2.8	<1.0	<10	<5	<10	<10	48	<2	<10
104B 869190		0.6	<1.0	<10	<5	<10	<10	20	<2	<10
104B 869191		1.0	<1.0	<10	<5	<10	<10	55	<2	<10
104B 869192		0.5	<1.0	<10	<5	<10	<10	35	<2	<10
104B 869193		<0.5	<1.0	<10	<5	<10	<10	10	<2	<10
104B 869194		<0.5	<1.0	<10	<5	<10	<10	29	<2	<10
DUPLICATE		<0.5	<1.0	<10	<5	<10	<10	21	<2	<10
104B 869195		<0.5	<1.0	<10	<5	<10	<10	43	<2	<10
104B 869196		10.3	<1.0	<10	<5	<10	<10	20	<2	<10
104B 869197		<0.5	<1.0	<10	<5	<10	<10	55	<2	<10
104B 869198		<0.5	1.0	<10	<5	<10	<10	37	<2	<10
104B 869199		>100.0	2.4	<10	9	<10	<10	406	<2	<10
104B 869200		<0.5	<1.0	<10	<5	<10	<10	53	<2	<10
104B 869201		15.8	<1.0	<10	8	<10	<10	25	<2	<10
104B 869202		2.5	<1.0	<10	14	<10	<10	55	<2	<10
104B 869203		<0.5	<1.0	<10	<5	<10	<10	20	<2	<10
104B 869204		0.5	<1.0	<10	<5	<10	<10	51	<2	<10
104B 869205		<0.5	<1.0	<10	<5	<10	<10	32	<2	<10
104B 869206		<0.5	<1.0	<10	<5	<10	<10	25	<2	<10
104B 869207		<0.5	<1.0	<10	<5	<10	<10	58	<2	<10
104B 869208		<0.5	<1.0	<10	<5	<10	<10	29	<2	<10
104B 869209		<0.5	<1.0	<10	<5	<10	<10	32	<2	<10
104B 869210		15.3	<1.0	<10	<5	<10	<10	13	<2	<10
104B 869211		68.5	66.3	<10	944	<10	<10	6300	<2	<10
DUPLICATE		97.5	68.1	<10	843	<10	<10	6320	<2	<10
104B 869212		>100.0	81.0	<10	158	<10	<10	3338	<2	<10
104B 869213		6.0	24.7	<10	<5	<10	<10	56	<2	<10
104B 869214		4.9	16.6	<10	<5	<10	<10	87	<2	<10
104B 869215		4.7	9.3	<10	<5	<10	<10	61	<2	<10
104B 869216		2.7	<1.0	<10	<5	<10	<10	37	<2	<10
104B 869217		<0.5	<1.0	<10	<5	<10	<10	43	<2	<10
104B 869218		2.1	5.8	<10	<5	<10	<10	37	<2	<10

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SAMPLE NUMBER	ELEMENT UNITS	V PPM	Cr PPM	Mn PPM	Fe PCT	Co PPM	Ni PPM	Cu PPM	Zn PPM	As PPM	Se PPM	Mo PPM
104B 869219		186	11	1131	4.6	13	1	425	268	93	<5	44
104B 869220		149	7	2614	4.0	8	2	354	230	13	<5	472
DUPLICATE		160	6	2913	4.3	8	<1	381	240	23	<5	475
104B 869221		172	17	860	3.8	14	3	614	161	17	<5	267
104B 869222		242	11	6696	5.9	15	4	114	646	14	<5	34
104B 869223		287	12	2340	6.9	22	5	389	712	49	<5	72
104B 869224		195	15	3437	4.4	15	4	313	384	13	<5	820
104B 869225		247	15	2890	5.8	11	4	302	2850	<5	<5	74
104B 869226		176	19	901	3.8	14	2	587	148	12	<5	241
104B 869227		139	416	1788	5.7	47	475	105	176	<5	<5	2
104B 869228		147	21	2559	3.5	12	6	394	1390	10	<5	83
DUPLICATE		143	21	2608	3.8	11	5	393	1428	<5	<5	89
104B 869229		137	27	2676	4.2	18	5	237	1384	<5	<5	763
104B 869230		209	37	1899	6.4	24	7	42	394	28	<5	66
104B 869231		190	38	2098	4.8	13	6	316	312	<5	<5	68
K086-37		99	10	987	3.9	8	2	6	88	<5	<5	2
K086-37(A)		65	7	580	3.2	5	1	2	28	<5	<5	1
K086-38(A)		54	3	1434	2.7	4	1	11	200	<5	<5	1
K086-38(B)		93	7	1352	4.2	9	1	13	96	<5	<5	1
K086-39		59	5	2208	3.0	7	1	15	68	23	<5	<1
K086-40(A)		3	<1	19	19.8	3	<1	6240	>20000	299	8	<1
K086-40(B)		30	<1	1527	10.6	7	<1	657	>20000	99	<5	1
K086-40(C)		112	3	1860	5.1	17	8	35	488	<5	<5	1
K086-41		44	5	630	2.6	5	<1	10	40	16	<5	5
K086-41(A)		65	6	339	2.6	6	<1	17	278	21	<5	14
K086-42		97	5	2124	3.3	6	<1	9	91	327	<5	1
K086-43(A)		15	<1	49	5.6	9	<1	326	8328	414	7	38
K086-43(B)		20	<1	362	2.9	2	<1	185	14360	17	<5	<1
K086-43(C)		1	<1	64	6.5	3	<1	319	16120	155	<5	<1
DUPLICATE		1	<1	63	6.5	3	<1	316	15600	148	<5	<1
K086-43(D)		12	3	437	3.1	2	<1	1970	>20000	37	<5	<1

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	W PPM	Pb PPM	Bi PPM	U PPM
104B 869219		0.7	<1.0	<10	<5	<10	<10	54	<2	<10
104B 869220		<0.5	<1.0	<10	<5	<10	<10	31	<2	<10
DUPLICATE		<0.5	<1.0	<10	<5	<10	<10	37	<2	<10
104B 869221		2.2	<1.0	<10	<5	<10	<10	50	<2	<10
104B 869222		1.1	<1.0	<10	<5	<10	<10	52	<2	<10
104B 869223		<0.5	<1.0	<10	<5	<10	<10	61	<2	<10
104B 869224		1.0	<1.0	<10	<5	<10	<10	42	<2	<10
104B 869225		<0.5	57.8	<10	<5	<10	<10	40	<2	<10
104B 869226		1.0	1.2	<10	<5	<10	<10	43	<2	<10
104B 869227		<0.5	<1.0	<10	<5	<10	<10	59	<2	<10
104B 869228		<0.5	16.4	<10	<5	<10	<10	50	<2	<10
DUPLICATE		<0.5	16.6	<10	<5	<10	<10	49	<2	<10
104B 869229		<0.5	13.6	<10	<5	<10	<10	58	<2	<10
104B 869230		1.0	<1.0	<10	<5	<10	<10	92	<2	<10
104B 869231		1.0	<1.0	<10	<5	<10	<10	44	<2	<10
K086-37		5.0	<1.0	<10	<5	<10	<10	44	<2	<10
K086-37(A)		<0.5	<1.0	<10	<5	<10	<10	29	<2	<10
K086-38(A)		<0.5	1.0	<10	<5	<10	<10	35	<2	<10
K086-38(B)		<0.5	<1.0	<10	<5	<10	<10	37	<2	<10
K086-39		<0.5	<1.0	<10	<5	<10	<10	42	<2	<10
K086-40(A)		>100.0	330.2	<10	26	<10	<10	12180	<2	<10
K086-40(B)		37.0	596.5	<10	8	<10	<10	10980	<2	<10
K086-40(C)		3.3	6.4	<10	<5	<10	<10	179	<2	<10
K086-41		<0.5	<1.0	<10	<5	<10	<10	115	<2	<10
K086-41(A)		3.7	1.3	<10	<5	<10	<10	83	<2	<10
K086-42		0.7	<1.0	<10	<5	<10	<10	38	<2	<10
K086-43(A)		63.5	52.5	<10	300	<10	<10	3224	<2	<10
K086-43(B)		>100.0	83.5	<10	118	<10	<10	7320	<2	<10
K086-43(C)		>100.0	98.3	<10	37	<10	<10	7740	<2	<10
DUPLICATE		>100.0	99.9	<10	15	<10	<10	7390	<2	<10
K086-43(D)		40.2	834.6	<10	<5	<10	<10	7680	<2	<10

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STANDARD NAME	ELEMENT UNITS	V PPM	Cr PPM	Mn PPM	Fe PCT	Co PPM	Ni PPM	Cu PPM	Zn PPM	As PPM	Se PPM	Mo PPM
BCC SOIL PULP STD 86		113	125	793	5.0	16	40	32	124	<5	<5	<1
		102	112	746	4.8	13	32	26	104	14	<5	<1
		111	120	727	4.9	13	36	29	107	<5	<5	<1
		115	126	722	4.8	16	41	30	105	<5	<5	<1
		131	141	782	5.2	15	44	32	105	<5	<5	<1
Number of Analyses		5	5	5	5	5	5	5	5	5	5	5
Mean Value		114.4	124.8	754.0	4.94	14.5	38.5	29.8	108.9	4.8	2.5	0.5
Standard Deviation		10.53	10.62	32.10	0.173	1.48	4.69	2.49	8.53	5.14	0.00	0.00
Lowest Value		102	112	722	4.8	13	32	26	104	5	5	1
Highest Value		131	141	793	5.2	16	44	32	124	14	5	1
BCC ROCK PULP STD 86		208	316	706	5.4	23	127	285	1448	111	<5	19
		202	272	795	4.7	19	86	250	1306	88	<5	17
		214	283	673	5.2	19	100	288	1458	85	<5	16
		213	256	645	4.9	22	100	281	1316	78	<5	16
		250	320	700	5.4	23	113	313	1462	102	<5	19
Number of Analyses		5	5	5	5	5	5	5	5	5	5	5
Mean Value		217.4	289.4	703.8	5.11	21.1	105.2	283.4	1398.0	92.8	2.5	17.4
Standard Deviation		18.84	27.85	56.44	0.305	2.23	15.48	22.48	79.66	13.34	0.00	1.52
Lowest Value		202	256	645	4.7	19	86	250	1306	78	5	16
Highest Value		250	320	795	5.4	23	127	313	1462	111	5	19
BCC CHEMICAL BLANK		<1	<1	<1	<0.1	<1	<1	<1	<1	<5	<5	<1
		<1	<1	<1	<0.1	<1	<1	<1	<1	<5	<5	<1
		<1	<1	<1	<0.1	<1	<1	<1	<1	<5	<5	<1
		<1	<1	<1	<0.1	<1	<1	<1	<1	<5	<5	<1
		<1	<1	<1	<0.1	<1	<1	<1	<1	<5	<5	<1
Number of Analyses		5	5	5	5	5	5	5	5	5	5	5
Mean Value		0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5	2.5	2.5	0.5
Standard Deviation		0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lowest Value		1	1	1	0.1	1	1	1	1	5	5	1
Highest Value		1	1	1	0.1	1	1	1	1	5	5	1

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Geochemical Lab Report

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STANDARD NAME	ELEMENT UNITS	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	W PPM	Pb PPM	Bi PPM	U PPM
BCC SOIL PULP STD 86		<0.5	<1.0	<10	<5	<10	<10	48	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	43	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	54	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	52	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	76	<2	<10
Number of Analyses		5	5	5	5	5	5	5	5	5
Mean Value		0.25	0.50	5.0	2.5	5.0	5.0	54.7	1.0	5.0
Standard Deviation		0.000	0.000	0.00	0.00	0.00	0.00	12.76	0.00	0.00
Lowest Value		0.5	1.0	10	5	10	10	43	2	10
Highest Value		0.5	1.0	10	5	10	10	76	2	10
BCC ROCK PULP STD 86		1.1	5.5	<10	<5	<10	<10	304	<2	<10
		1.3	5.1	<10	<5	<10	<10	263	<2	<10
		1.1	4.8	<10	<5	<10	<10	312	<2	<10
		1.4	5.1	<10	<5	<10	<10	316	<2	<10
		1.4	5.2	<10	<5	<10	<10	368	<2	<10
Number of Analyses		5	5	5	5	5	5	5	5	5
Mean Value		1.26	5.14	5.0	2.5	5.0	5.0	312.6	1.0	5.0
Standard Deviation		0.152	0.251	0.00	0.00	0.00	0.00	37.47	0.00	0.00
Lowest Value		1.1	4.8	10	5	10	10	263	2	10
Highest Value		1.4	5.5	10	5	10	10	368	2	10
BCC CHEMICAL BLANK		<0.5	<1.0	<10	<5	<10	<10	<5	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	<5	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	<5	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	<5	<2	<10
		<0.5	<1.0	<10	<5	<10	<10	<5	<2	<10
Number of Analyses		5	5	5	5	5	5	5	5	5
Mean Value		0.25	0.50	5.0	2.5	5.0	5.0	2.5	1.0	5.0
Standard Deviation		0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lowest Value		0.5	1.0	10	5	10	10	5	2	10
Highest Value		0.5	1.0	10	5	10	10	5	2	10

REC'D 05.11.87 KILE 101 BALLANTYNE S.D.

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Geochemical Lab Report

Mitchell Sulphurets Kirkham Regional Rock Suite #One

REPORT: 017-1645 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOLOGICAL SURVEY OF CANADA
PROJECT: 23233-6-0860/01

KQ86-44A-97.

SUBMITTED BY: G. LACHANCE
DATE PRINTED: 8-MAY-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Na	Sodium	106	0.02 PCT		Neutron Activation
2	Sc	Scandium	106	0.2 PPM		Neutron Activation
3	Cr	Chromium	106	20 PPM		Neutron Activation
4	Fe	Iron	106	0.2 PCT		Neutron Activation
5	Co	Cobalt	106	5 PPM		Neutron Activation
6	Ni	Nickel	106	20 PPM		Neutron Activation
7	Zn	Zinc	106	100 PPM		Neutron Activation
8	As	Arsenic	106	0.5 PPM		Neutron Activation
9	Se	Selenium	106	5 PPM		Neutron Activation
10	Br	Bromine	106	0.5 PPM		Neutron Activation
11	Rb	Rubidium	106	5 PPM		Neutron Activation
12	Zr	Zirconium	106	200 PPM		Neutron Activation
13	Mo	Molybdenum	106	1 PPM		Neutron Activation
14	Ag	Silver	106	2 PPM		Neutron Activation
15	Cd	Cadmium	106	5 PPM		Neutron Activation
16	Sn	Tin	106	100 PPM		Neutron Activation
17	Sb	Antimony	106	0.1 PPM		Neutron Activation
18	Te	Tellurium	106	10 PPM		Neutron Activation
19	Cs	Cesium	106	0.5 PPM		Neutron Activation
20	Ba	Barium	106	50 PPM		Neutron Activation
21	La	Lanthanum	106	2 PPM		Neutron Activation
22	Ce	Cerium	106	5 PPM		Neutron Activation
23	Sm	Samarium	106	0.05 PPM		Neutron Activation
24	Eu	Europium	106	1 PPM		Neutron Activation
25	Tb	Terbium	106	0.5 PPM		Neutron Activation
26	Yb	Ytterbium	106	2 PPM		Neutron Activation
27	Lu	Lutetium	106	0.2 PPM		Neutron Activation
28	Hf	Hafnium	106	1 PPM		Neutron Activation
29	Ta	Tantalum	106	0.5 PPM		Neutron Activation
30	W	Tungsten	106	1 PPM		Neutron Activation
31	Ir	Iridium	106	50 PPB		Neutron Activation
32	Au	Gold	106	2 PPB		Neutron Activation
33	Th	Thorium	106	0.2 PPM		Neutron Activation
34	U	Uranium	106	0.2 PPM		Neutron Activation
35	WT	Test Weight	106	0.01 g		

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Geochemical Lab Report

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REFERENCE INFO:

CLIENT: GEOLOGICAL SURVEY OF CANADA
PROJECT: 23233-6-0860/01

SUBMITTED BY: G. LACHANCE
DATE PRINTED: 8-MAY-87

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
PREPARED PULP	106	AS RECEIVED	106	AS RECEIVED, NO SP	106

REMARKS: < MEANS LESS THAN.
SAMPLE #104B-869019 BA:7.5%

REPORT COPIES TO: MR. PETER BELANGER

INVOICE TO: MR. PETER BELANGER

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Geochemical Lab Report

REPORT: 017-1645

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
104B-869001	869018	0.06	4.2	30	1.5	<5	<20	190	149.0	<5	<2.0	75	<200
104B-869002	KQ-8644A	2.25	26.7	48	6.0	26	44	160	8.1	11	<2.0	110	<200
104B-869003		4.18	38.3	97	3.7	19	<20	120	3.7	<5	<2.0	39	<200
104B-869004		3.03	27.7	45	6.6	36	20	180	15.0	9	<2.0	90	<200
104B-869005		2.79	10.0	<20	3.5	<5	<20	<100	3.4	<5	<2.0	180	<200
104B-869006	KQ-86-45	2.34	15.0	<20	4.2	13	<20	170	12.0	<5	<2.0	140	<200
104B-869007	SS06	2.01	17.0	510	5.8	45	310	210	32.0	<5	<2.0	130	<200
104B-869008	KQ-86-46	3.54	14.0	<20	3.6	11	<20	120	12.0	<5	<2.0	88	<200
104B-869009	47	2.41	16.0	<20	4.9	16	<20	110	5.3	<5	<2.0	110	530
104B-869010	48	2.75	15.0	<20	4.2	9	<20	130	5.7	<5	<2.0	130	<200
104B-869011	49	0.51	10.0	<20	3.9	8	<20	130	5.0	<5	<2.0	250	250
104B-869012	50	3.68	10.0	57	4.1	10	<20	110	5.8	<5	<2.0	70	<200
104B-869013	51	1.20	8.8	<20	3.6	8	<20	110	1.9	<5	<2.0	80	<200
104B-869014	52	0.52	13.0	<20	4.5	15	<20	150	45.0	<5	<2.0	110	<200
104B-869015	53	0.12	6.3	26	0.4	<5	<20	100	18.0	<5	<2.0	150	<200
-869016	53A	0.04	1.2	<20	0.3	<5	<20	100	10.0	<5	<2.0	25	<200
104B-869017	SS06	2.00	17.0	490	5.6	43	300	170	32.0	<5	<2.0	130	430
104B-869018	869001 KQ-8654	0.06	4.7	35	1.6	<5	<20	180	147.0	<5	<2.0	84	<200
KQ-86 54A 104B-869019	trench 14 shear	0.02	1.8	<51	0.9	<5	<20	4800	172.0	<11	<2.0	33	<200
104B-869020	55	2.76	14.0	<20	4.2	14	<20	150	3.1	<5	<2.0	120	490
104B-869021	869026	0.13	6.8	<20	3.6	<5	<20	210	309.0	<5	<2.0	220	280
104B-869022	marker	2.53	24.8	58	11.0	23	<20	200	1.8	<5	<2.0	77	440
104B-869023	"	3.01	6.1	<20	2.2	<5	<20	<100	0.8	<5	<2.0	29	<200
104B-869024	"	1.00	7.6	<20	2.9	<5	<20	140	2.5	<5	<2.0	71	340
104B-869025	IRON CAP	1.20	14.0	<20	3.9	9	<20	130	20.0	<5	<2.0	110	<200
104B-869026	869021	0.15	7.3	<20	4.2	6	<20	180	328.0	<5	<2.0	230	<200
104B-869027	SS06	2.17	19.0	540	6.2	43	340	210	36.0	<5	<2.0	150	<200
104B-869028	IRON CAP	0.18	15.0	<20	2.4	<5	<20	120	99.4	8	<2.0	370	<200
104B-869029	"	0.03	9.0	<20	3.6	<5	<20	160	316.0	11	<2.0	53	<200
104B-869030	"	1.60	19.0	34	6.5	88	<20	270	18.0	39	<2.0	320	330
104B-869031	"	3.17	20.0	25	4.2	19	<20	160	7.3	13	<2.0	180	<200
104B-869032	"	0.20	9.4	66	2.4	<5	21	110	58.1	<5	<2.0	230	330
104B-869033	"	0.07	5.4	<50	4.4	<5	<20	480	799.0	<11	<4.9	120	<440
104B-869035	IRONCAP	0.16	8.3	42	1.8	<5	<20	130	66.6	<5	<2.0	190	<200
104B-869036	Kruch Pit	<7.20	5.9	<68	1.6	<5	<22	250	374.0	<13	<9.3	60	<620
104B-869037	SS06	2.25	19.0	630	6.6	47	360	300	37.0	<5	<2.0	150	490
-869038		3.42	25.3	<20	6.4	8	<20	280	108.0	9	<2.0	76	<200
-869039		1.70	18.0	<20	4.3	12	<20	240	92.8	<5	<2.0	63	<200
104B-869040		3.28	20.0	28	4.5	13	<20	230	110.0	<5	<2.0	120	370
104B-869041	869052	0.45	12.0	52	5.4	18	<20	160	24.0	27	<2.0	160	270

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Geochemical Lab Report

REPORT: 017-1645

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
104B-869001		5	19	<5	<100	12.5	<10	3.8	1800	6	13	1.60	<1
104B-869002		6	<2	<5	<100	1.7	<10	1.2	3000	17	20	2.50	<1
104B-869003		3	<2	<5	<100	0.9	<10	<0.5	1300	21	27	2.50	<1
104B-869004		4	4	<5	<100	1.4	<10	1.3	4000	17	24	2.30	<1
104B-869005		2	<2	<5	<100	1.1	<10	1.9	4800	17	29	2.40	<1
104B-869006	KQ-86-45	<1	<2	<5	<100	4.9	<10	2.9	3000	24	45	4.50	1
104B-869007	SS06	2	<2	<5	<100	1.5	16	6.4	840	34	55	6.80	<1
104B-869008	KQ-86-46	1	<2	<5	<100	5.0	<10	1.8	1900	21	34	4.40	1
104B-869009	47	2	<2	<5	<100	3.1	<10	2.1	2300	23	46	4.40	1
104B-869010	48	<1	<2	<5	<100	9.1	<10	1.0	2400	21	34	4.40	2
104B-869011	49	<1	<2	<5	<100	8.1	<10	11.0	4300	18	27	3.50	<1
104B-869012	50	<1	<2	<5	<100	2.4	<10	5.8	1200	17	29	3.80	<1
104B-869013	51	<1	<2	<5	<100	0.6	<10	5.7	2000	13	16	2.80	2
104B-869014	52	2	<2	<5	<100	4.6	<10	11.0	2000	7	17	1.60	<1
104B-869015	53	<1	<2	<5	<100	3.9	<10	6.8	1100	6	6	0.93	<1
104B-869016	KQ-86-53V	2	13	<5	<100	7.6	<10	1.0	1300	<2	<5	<0.20	<1
104B-869017	SS06 —	3	<2	<5	<100	1.5	<10	5.5	790	33	62	6.70	1
104B-869018	KQ-86-54	6	20	<5	<100	13.7	<10	4.1	1800	6	14	1.50	<1
104B-869019	trench 4 SHR	3	45	63	<230	90.4	<37	0.8	>30000	5	<18	0.81	<1
104B-869020	KQ-86-55	<1	<2	<5	<100	1.5	<10	7.6	2100	32	47	5.80	2
104B-869021	869026 —	3	13	<5	<100	54.5	<27	4.2	28700	17	<12	2.00	<1
104B-869022	marker	56	<1	<2	<5	<100	1.5	<10	2.8	1200	35	56	9.00	1
104B-869023	rky "	57	<1	<2	<5	<100	0.6	<10	1.9	620	23	41	4.50	<1
104B-869024	rky "	58	<1	<2	<5	<100	0.8	<10	3.4	1100	24	46	6.20	<1
104B-869025	IRON CAP	60	2	<2	<5	<100	5.1	<10	11.0	6770	17	42	4.20	1
104B-869026	869021 —	4	11	<5	<100	54.9	<27	4.2	29900	19	24	2.10	<1
104B-869027	SS06 —	4	3	<5	100	1.7	<10	6.7	840	37	66	7.30	<1
104B-869028	IRON CAP	62	3	<2	<5	130	6.4	<10	3.5	10900	24	29	2.20	<1
104B-869029	" KQ-86-63		21	20	<5	<100	40.1	<22	0.5	1100	8	<5	1.00	<1
104B-869030	"	64	12	7	<5	<100	4.8	<10	11.0	1400	33	47	5.80	1
104B-869031	"	64A	7	<2	<5	<100	2.6	<10	5.5	1100	16	23	2.50	<1
104B-869032	"	65	7	<2	<5	<100	2.0	<10	3.2	2200	26	35	4.00	<1
104B-869033	"	66	9	12	<5	<100	213.0	<42	2.3	790	6	<12	0.65	<1
104B-869035	IRON CAP	67	2	5	<5	<100	128.0	<31	3.9	3400	10	17	1.20	<1
104B-869036	trench pit	68	9	943	<40	<350	500.0	<74	10.0	1200	19	<20	1.60	<3
104B-869037	SS06 —	3	<2	<5	<100	1.8	<10	6.4	930	39	68	7.50	2
104B-869038	KQ-86-69A	2	<2	<5	<100	29.2	<10	5.3	4800	15	22	2.80	<1
104B-869039	69B	2	<2	<5	<100	57.5	<22	5.9	4200	14	27	2.30	<1
104B-869040	69C	1	<2	<5	<100	6.4	<10	7.9	4700	17	33	3.60	<1
104B-869041	869052 —	6	<2	<5	<100	7.4	<10	8.0	2100	21	30	2.70	<1

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
104B-869001	869018	<0.5	<2	<0.2	<1	<0.5	1	<50	.749	1.0	0.5	8.65
104B-869002	KQ-86-44A	0.5	2	0.2	2	<0.5	5	<50	.622	2.7	2.7	8.82
104B-869003	44B	<0.5	<2	0.3	<1	<0.5	8	<50	.180	1.6	7.2	9.96
104B-869004	44C	0.6	<2	0.2	<1	0.5	14	<50	.940	2.1	4.7	8.55
104B-869005	(core) 44D	<0.5	<2	<0.2	3	0.8	14	<50	13	6.2	2.4	9.02
104B-869006	KQ-86 45	1.0	3	0.4	5	0.7	2	<50	<2	10.0	3.9	8.29
104B-869007	SS06	1.6	5	0.8	7	2.3	20	<50	8	14.0	15.0	10.45
104B-869008	KQ-86-46	0.5	<2	0.5	4	0.5	2	<50	<2	8.7	4.0	8.72
104B-869009	47	0.9	<2	0.4	4	0.7	2	<50	<2	9.3	4.4	10.61
104B-869010	48	0.8	3	0.4	4	0.8	3	<50	<2	10.0	3.8	9.81
104B-869011	49	0.6	<2	0.4	3	0.6	4	<50	<2	5.8	2.3	11.05
104B-869012	50	0.9	3	0.3	3	0.7	<1	<50	<2	5.6	2.9	9.06
104B-869013	51	<0.5	2	0.3	3	<0.5	<1	<50	<2	4.4	2.4	8.90
104B-869014	52	<0.5	<2	<0.2	3	<0.5	<1	<50	<2	3.0	1.5	7.94
104B-869015	53	<0.5	<2	<0.2	3	<0.5	2	<50	79	1.6	1.3	7.15
104B-869016	53V	<0.5	<2	<0.2	<1	<0.5	<1	<50	170	0.4	0.4	7.61
104B-869017	SS06	1.3	4	0.9	7	2.1	19	<50	5	13.0	14.0	10.61
104B-869018	KQ-86-54 869001	<0.5	<2	<0.2	<1	<0.5	1	<50	902	1.1	0.6	8.15
104B-869019	trench 14 54A	<0.5	<2	<0.2	<1	<0.5	<1	<50	1810	0.7	<0.2	8.74
104B-869020	55	1.1	3	0.5	6	0.9	2	<50	15	13.0	4.4	9.62
104B-869021	869026	<0.5	<2	0.3	<1	<0.5	15	<50	368	4.3	1.6	7.77
104B-869022	marker	2.0	6	0.9	6	0.8	1	<50	8	6.5	2.3	12.72
104B-869023	rhyolite 57	1.2	5	0.8	7	0.6	<1	<50	3	6.5	3.2	8.12
104B-869024	" 58	2.2	10	1.7	10	1.5	1	<50	<2	7.5	4.4	8.33
104B-869025	IRON CAP 60	0.9	3	0.5	4	0.9	2	<50	<2	6.9	3.6	8.51
104B-869026	869021	<0.5	<2	<0.2	<1	<0.5	16	<50	402	3.3	1.8	8.36
104B-869027	SS06	1.7	5	0.9	7	2.5	23	<50	10	15.0	16.0	11.36
104B-869028	IRONCAP 62	<0.5	<2	<0.2	2	0.7	7	<50	130	5.4	2.6	6.82
104B-869029	" 63	<0.5	<2	0.3	<1	<0.5	4	<50	1430	0.8	1.1	7.48
104B-869030	" 64	0.7	<2	0.5	5	0.9	18	<50	160	5.5	6.6	8.73
104B-869031	" 64A	<0.5	<2	0.3	2	0.5	9	<50	25	4.5	7.4	9.03
104B-869032	" 65	0.5	<2	0.3	2	<0.5	10	<50	226	3.9	2.3	7.38
104B-869033	" 66	<0.5	<2	0.3	<2	<0.5	6	<50	101	0.9	0.9	7.81
104B-869034	IRONCAP 67	<0.5	<2	0.3	<1	<0.5	4	<50	93	2.8	2.6	6.63
104B-869036	trench pit 68	<0.5	<5	0.5	<3	<0.5	114	<50	4960	1.2	<1.6	7.80
104B-869037	SS06	1.6	5	1.0	7	2.5	25	<50	11	15.0	17.0	10.22
104B-869038		<0.5	<2	0.4	1	<0.5	<1	<50	30	3.7	1.6	9.05
104B-869039	39											
104B-869040	40											
104B-869041	869052											

Shore Zone

Iron Cap

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Geochemical Lab Report

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SAMPLE NUMBER	UNITS	Na PCT	Sr PPM	Cr PPM	Ce PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
104B-869042		2.75	11.0	110	3.6	16	<20	130	57.8	<5	<2.0	86	<200
104B-869043		0.19	5.8	<20	3.4	6	<20	<100	107.0	<5	<2.0	210	<200
104B-869044		3.77	4.9	33	3.0	11	<20	170	38.0	<5	<2.0	99	<200
104B-869045		2.00	14.0	30	2.8	11	<20	190	115.0	<5	<2.0	260	380
104B-869046 under ice qtz+py+tetra		<15.00	3.2	<130	23.5	16	<36	5100	1280.0	190	<15.0	35	<960
104B-869047 SSO6		2.14	19.0	580	6.2	45	340	230	37.0	<5	<2.0	140	550
104B-869048		1.80	17.0	<20	4.8	14	<20	150	125.0	<5	<2.0	170	<200
104B-869049		0.10	21.5	<20	5.3	15	<20	930	63.5	13	<2.0	170	280
104B-869050		0.22	10.0	36	4.4	15	<20	1100	78.8	<5	<2.0	120	<200
104B-869051 SMaufield Zn no		0.23	12.0	38	3.5	11	<20	<150	42.0	29	<3.0	120	<300
104B-869052 869041		0.40	11.0	35	5.1	15	<20	150	20.0	20	<2.0	140	<200
104B-869053 no		0.11	4.8	40	8.3	12	22	470	170.0	18	<2.6	88	260
104B-869054 no		0.26	9.6	49	3.1	15	28	330	57.0	11	<3.3	110	<330
104B-869055		0.27	2.6	28	0.4	<5	<20	110	31.0	<5	<2.0	81	<200
104B-869056		0.27	10.0	42	4.4	12	<20	200	42.0	15	<2.0	120	<200
-869057 SSO6		1.90	16.0	500	5.4	43	310	240	32.0	<5	<2.0	130	<200
104B-869058		0.23	19.0	<20	4.5	11	<20	610	8.5	7	<2.0	130	<200
104B-869059		0.40	4.7	61	2.7	6	<20	1500	60.9	<5	<2.0	250	<200
104B-869060		0.60	5.6	<20	2.7	7	<20	850	80.4	<5	<2.0	190	<200
104B-869061 869063		0.25	21.4	22	4.4	13	<20	210	12.0	11	<2.0	150	<200
104B-869062		3.11	25.2	40	7.1	12	<20	850	93.9	<5	<2.0	91	<200
104B-869063 869061		0.21	18.0	<20	3.9	11	<20	200	11.0	9	<2.0	130	<200
104B-869064 drill-core		0.20	9.2	<20	3.4	15	<20	170	123.0	12	<2.0	150	<200
104B-869065		0.18	10.0	31	2.6	<5	<20	110	4.9	9	<2.0	94	<200
104B-869066		0.16	8.7	<20	3.9	18	<20	370	53.0	11	<2.0	76	<200
104B-869067 SSO6		1.90	17.0	510	5.5	45	310	170	33.0	<5	<2.0	140	310
104B-869068		0.28	13.0	<20	3.9	12	<20	160	33.0	17	<2.0	110	<200
104B-869069 drill core		0.14	7.5	22	3.7	8	<20	300	5.4	16	<2.0	86	<200
104B-869070		0.16	5.0	<20	1.7	<5	<20	120	4.3	<5	<2.0	61	<200
104B-869071		0.12	4.6	<20	3.8	7	<20	170	11.0	14	<2.0	57	<200
104B-869072		0.27	34.2	<20	7.7	7	<20	650	4.5	<5	<2.0	140	<200
104B-869073		0.22	6.2	<20	9.1	<5	<20	560	167.0	<5	<2.0	55	<200
104B-869074 W side Mtkhql		2.65	15.0	72	4.6	30	39	180	6.4	7	<2.0	180	<200
104B-869075		0.20	17.0	21	3.9	19	<20	100	14.0	<5	<2.0	270	<200
104B-869076		0.82	0.3	<20	0.7	<5	<20	140	3.3	6	<2.0	170	<200
104B-869077 SSO6		1.80	15.0	470	5.2	42	310	160	33.0	<5	<2.0	130	310
-869078		1.70	1.5	<20	1.3	<5	<20	<100	3.4	<5	<2.0	170	<200
-869079		1.20	15.0	20	2.9	11	<20	200	29.0	<5	<2.0	110	<200
104B-869080 KR		1.30	0.8	<20	0.9	<5	<20	140	3.1	<5	<2.0	170	<200
104B-869081 869088		2.00	1.2	<20	5.3	12	<20	240	31.0	60	<2.0	140	<200

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
104B-869042		2	<2	<5	<100	5.5	<10	3.8	1300	12	12	2.50	<1
104B-869043		4	<2	<5	<100	3.6	<10	3.3	3500	7	<5	1.00	<1
104B-869044		2	5	<5	<100	2.0	<10	2.3	1300	10	15	1.50	1
104B-869045	71	2	4	<5	<100	10.6	<10	4.9	5290	13	15	1.90	<1
104B-869046	KQ-86-72A	<10	319	<67	<630	1020.0	<140	<1.4	690	12	<41	1.30	<5
104B-869047	SSOG	4	<2	<5	<100	1.8	22	7.0	920	36	69	7.60	2
104B-869048		2	<2	<5	<100	11.3	<10	8.1	6780	17	26	2.60	<1
104B-869049		2	3	16	<100	7.5	<10	7.5	28400	15	21	3.10	<1
104B-869050		1	<2	16	<100	8.6	19	3.9	1500	12	15	2.30	<1
104B-869051	Sample 75	2440	<3	<7	<150	4.1	<15	4.2	1200	26	23	3.00	<1
104B-869052	869041	6	<2	<5	<100	6.5	<10	7.0	1900	19	31	2.40	<1
104B-869053	MO 75B	1240	4	<6	<130	73.0	<29	3.2	600	4	<6	1.30	<1
104B-869054	MO KQ-86-76	1240	3	<8	<160	75.0	46	4.2	1240	23	36	5.20	<2
104B-869055	76A	110	<2	<5	<100	10.0	<10	3.2	1300	10	16	1.50	<1
104B-869056	76B	101	<2	<5	<100	25.3	<10	5.8	1400	9	9	2.20	<1
104B-869057	SSOG	3	<2	<5	<100	1.5	<10	5.9	800	33	68	6.80	2
104B-869058	77	113	<2	<5	<100	0.9	<10	11.0	2400	12	22	2.30	<1
104B-869059	78	26	3	21	<100	65.7	<29	26.0	3300	29	33	4.80	4
104B-869060	78A	36	<2	14	<100	90.2	<28	22.0	2900	31	42	5.20	<1
104B-869061	869063	76	3	<5	<100	1.2	<10	6.2	6460	17	18	2.30	<1
104B-869062	79	31	<2	10	<100	28.9	<21	11.0	1900	21	37	3.10	<1
104B-869063	869061	66	<2	<5	<100	1.0	<10	5.5	5060	14	25	2.10	<1
104B-869064	drill core 81	68	<2	<5	<100	14.9	<10	11.0	2100	10	10	1.90	<1
104B-869065		110	<2	<5	<100	1.2	<10	2.7	3400	6	5	0.83	<1
104B-869066		332	3	<5	<100	52.4	<10	3.0	720	9	10	2.70	1
104B-869067	SSOG	2	<2	<5	<100	1.5	12	6.2	800	33	64	6.70	<1
104B-869068		62	3	5	<100	56.7	<10	2.9	1600	13	15	2.60	<1
104B-869069	drill core	52	<2	<5	<100	0.6	<10	3.6	1100	11	15	2.50	<1
104B-869070		78	<2	<5	<100	0.8	<10	3.2	2200	8	13	1.70	<1
104B-869071		14	<2	<5	<100	1.2	<10	1.4	2300	8	11	1.40	<1
104B-869072		56	<2	<5	<100	4.0	<10	4.7	4100	11	20	2.90	<1
104B-869073		44	4	21	<100	33.3	<10	2.6	3600	10	<5	1.70	<1
104B-869074	N side Mitchell	3	3	6	<100	2.7	<10	2.7	6200	15	24	3.40	<1
104B-869075		12	<2	<5	<100	3.2	<10	5.1	4300	12	16	1.70	<1
104B-869076		<1	8	<5	<100	3.1	<10	0.9	340	<2	<5	<0.20	<1
104B-869077	SSOG	3	<2	<5	<100	1.6	<10	6.3	750	32	61	6.90	<1
104B-869078		1	<2	<5	<100	2.1	<10	1.1	540	4	11	<0.20	<1
104B-869079		<1	6	<5	<100	3.0	<10	1.2	3200	8	7	1.30	<1
104B-869080	KQ	<1	<2	<5	<100	1.9	<10	1.1	530	<2	<5	<0.20	<1
104B-869081	869088	2	30	<5	<100	5.6	<10	1.5	1900	7	18	0.24	<1

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SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Au oz/ton	Th PPM	U PPM	WT g
104B-869042	70A	<0.5	<2	<0.2	2	0.6	1	<50	10		2.4	1.8	9.35
104B-869043	70B	<0.5	<2	<0.2	2	<0.5	9	<50	130		1.8	1.5	9.09
104B-869044	70C	<0.5	<2	<0.2	3	<0.5	8	<50	120		1.9	1.9	7.12
104B-869045	71	<0.5	<2	<0.2	3	0.5	25	<50	553		3.3	1.8	7.69
104B-869046	underice 72A qtz tpy+tetra	<0.5	<9	<0.8	<4	<0.5	<61	<150	1630	0.075	<1.7	<3.1	10.96
104B-869047	SSO6 —	1.7	5	0.9	6	2.6	23	<50	8		15.0	16.0	12.85
104B-869048	72B	0.5	<2	0.3	1	<0.5	16	<50	602		4.8	3.2	9.66
104B-869049	73	<0.5	<2	0.4	<1	<0.5	23	<50	89		3.1	1.6	7.84
104B-869050	74	<0.5	<2	0.2	4	<0.5	3	<50	76		2.7	1.7	8.74
104B-869051	~~Sandfell~~ 75	2.0	<3	0.4	3	<0.7	5	75	546		3.8	2.1	7.52
104B-869052	~869041	0.6	<2	0.3	4	<0.5	7	<50	170		2.9	1.8	6.85
104B-869053	75B	<0.6	<3	<0.3	<1	<0.6	5	<65	1440	0.042	1.2	<0.3	7.15
104B-869054	76	1.2	<3	0.4	2	<0.8	5	<81	449		2.9	2.6	7.50
104B-869055	76A	<0.5	<2	<0.2	2	<0.5	4	<50	86		1.0	0.9	7.13
104B-869056	76B	0.5	<2	0.3	2	<0.5	4	<50	786	0.023	1.9	1.1	6.21
104B-869057	SSO6-	1.6	4	0.9	5	2.4	19	<50	13		13.0	14.0	9.36
-869058	77	<0.5	<2	0.3	2	<0.5	8	<50	1990	0.058	4.8	2.5	6.65
104B-869059	78	0.8	<2	0.6	<1	0.8	9	<50	743		8.6	3.3	6.69
104B-869060	78A	0.9	3	0.9	2	1.0	6	<50	786		8.3	2.7	8.53
104B-869061	869063 —	0.7	2	0.4	2	0.6	3	<50	631		4.3	2.4	9.76
104B-869062	79	<0.5	<2	0.3	2	0.9	7	<50	2950	0.086	4.5	1.9	9.21
104B-869063	~~869064~~ 80	0.6	2	0.3	1	<0.5	4	<50	488		3.7	2.2	9.31
104B-869064	drill core 81	<0.5	<2	0.2	3	<0.5	5	<50	329		2.5	1.2	8.31
104B-869065	KQ-86-82	<0.5	<2	<0.2	2	<0.5	3	<50	417		1.8	0.9	8.69
104B-869066	82A	<0.5	<2	<0.2	<1	<0.5	2	<50	360		1.8	0.7	9.60
104B-869067	SSO6 —	1.5	5	0.9	6	2.1	20	<50	8		13.0	15.0	14.83
104B-869068	82B	<0.5	<2	0.3	2	0.5	2	<50	312		3.8	1.3	8.77
104B-869069	drill core 83	0.8	<2	0.2	2	<0.5	3	<50	130		2.1	1.0	9.13
104B-869070	KQ-86-84	<0.5	<2	<0.2	2	<0.5	<1	<50	170		1.7	0.6	10.39
104B-869071	85	<0.5	<2	<0.2	<1	<0.5	<1	<50	249		1.5	0.5	9.70
104B-869072	86	<0.5	<2	0.3	1	0.5	<1	<50	1390		4.3	1.4	10.87
104B-869073	87	<0.5	<2	0.3	1	<0.5	<1	<50	383		2.1	0.8	10.72
104B-869074	KQ-86-88A	0.7	<2	0.3	2	0.8	21	<50	73		3.0	2.7	11.25
104B-869075	88B	<0.5	<2	0.3	2	<0.5	11	<50	72		1.7	2.2	12.21
104B-869076	89	<0.5	<2	<0.2	2	<0.5	1	<50	52		4.7	3.0	12.08
104B-869077	SSO6 —	1.5	4	0.8	5	2.6	20	<50	7		13.0	15.0	14.63
104B-869078	89A	<0.5	<2	<0.2	3	0.7	5	<50	12		9.4	5.2	6.57
-869079	89B	<0.5	<2	<0.2	2	0.8	5	<50	89		6.7	3.0	7.91
-869080	KQ-86-89C	<0.5	<2	<0.2	2	<0.5	2	<50	7		3.3	3.4	6.37
104B-869081	869088 —	<0.5	<2	0.2	1	<0.5	2	<50	408		7.1	5.7	6.57

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
104B-869082		2.99	0.5	<20	1.3	<5	<20	<100	5.0	<5	<2.0	88	580
104B-869083		1.10	1.2	<20	0.8	<5	<20	110	2.6	<5	<2.0	150	260
104B-869084		3.46	2.3	<20	1.7	<5	<20	120	2.9	<5	<2.0	150	<200
104B-869085		2.95	2.2	<20	1.0	<5	<20	140	4.2	<5	<2.0	180	<200
104B-869086		2.93	1.7	<20	1.3	<5	<20	130	2.7	6	<2.0	190	230
104B-869087 SSOb		2.00	17.0	520	5.7	45	320	190	33.0	<5	<2.0	140	<200
104B-869088 869081		2.10	1.6	<20	5.6	14	<20	170	31.0	63	<2.0	150	<200
104B-869089		2.96	0.7	<20	1.0	<5	<20	140	2.4	<5	<2.0	160	<200
104B-869090		2.26	17.0	130	6.6	27	42	170	4.0	19	<2.0	230	<200
104B-869091 syenite		3.61	0.8	<20	1.0	6	<20	130	2.8	<5	<2.0	150	<200
104B-869092		0.81	1.4	<20	0.7	<5	<20	130	3.2	<5	<2.0	140	<200
104B-869093		3.27	8.7	<20	2.8	<5	<20	<100	1.9	<5	4.3	110	<200
104B-869094		1.90	5.9	<20	3.1	9	<20	230	57.2	<5	<2.0	210	260
104B-869095 deform Zn		0.34	1.1	<20	0.9	<5	<20	110	2.4	9	<2.0	99	<200
104B-869096 " "		2.67	1.6	<20	1.2	<5	<20	100	2.8	<5	<2.0	100	400
104B-869097 SSOb		2.11	18.0	550	6.0	54	400	200	41.0	<5	2.3	170	350
[illegible]-869098		0.81	14.0	55	2.6	10	40	390	11.0	<5	<2.0	250	<200
[illegible]-869099		0.10	3.7	29	2.4	10	<20	<100	36.0	15	<2.0	240	<200
104B-869100		2.39	19.0	40	5.2	16	<20	230	102.0	21	<2.0	200	<200
104B-869101 869104		0.18	20.4	<20	6.1	27	<20	150	25.0	12	<2.0	180	<200
104B-869102		0.11	15.0	27	3.7	12	<20	200	103.0	14	<2.0	150	<200
104B-869103		0.07	5.6	28	2.6	<5	<20	140	215.0	<5	<2.0	65	<200
104B-869104 869101		0.17	20.0	<20	5.6	24	<20	120	23.0	<5	<2.0	170	<200
104B-869105		0.41	19.0	<20	5.7	16	<20	220	16.0	<5	<2.0	170	<200
104B-869106		3.20	15.0	<20	3.9	15	<20	170	5.3	<5	<2.0	50	300
104B-869107 SSOb		2.00	17.0	490	5.7	47	350	220	35.0	<5	<2.0	150	<200

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
104B-869082	KQ-86-90A	<1	<2	<5	<100	2.1	15	0.9	1400	8	18	<0.64	<1
104B-869083	90B	1	<2	<5	<100	2.1	<10	0.9	610	4	7	<0.20	<1
104B-869084	90C	1	3	<5	<100	1.4	<10	1.0	4300	10	14	0.43	<1
104B-869085	90D	1	<2	<5	<100	2.2	<10	1.3	2700	5	<5	<0.20	<1
104B-869086	91	<1	5	<5	<100	1.5	<10	1.7	5660	11	8	0.36	<1
104B-869087	SS06	4	<2	<5	<100	1.6	14	6.7	850	34	66	6.80	1
104B-869088	~~869081~~ 91A	2	31	<5	<100	5.7	<10	1.9	2000	8	9	<0.20	<1
104B-869089	91B	2	<2	<5	<100	1.2	<10	1.1	4200	7	9	<0.20	<1
104B-869090	92A	1	<2	<5	<100	1.5	<10	10.0	2100	5	9	1.50	<1
104B-869091	syenite 92B	1	<2	<5	<100	0.8	<10	1.3	4700	6	9	<0.20	<1
104B-869092	92C	1	2	<5	<100	1.3	<10	0.8	960	2	7	<0.20	<1
104B-869093	KQ-86-92D	2	<2	<5	<100	0.6	<10	0.8	5320	14	26	2.90	<1
104B-869094	92E	<1	4	<5	<100	2.0	<10	2.3	2600	5	10	0.45	<1
92F 104B-869095	deform Zone	144	4	<5	<100	2.0	<10	0.8	840	3	9	<0.20	<1
104B-869096	" " 92G	<1	<2	<5	<100	1.2	<10	0.9	920	3	9	<0.44	<1
104B-869097	SS06 —	4	<2	6	<100	1.9	36	7.7	1100	38	73	8.20	2
-869098	92H	2	6	5	<100	1.8	26	3.3	4100	18	13	1.80	<1
95-100? 104B-869099	93A	129	<2	<5	<100	28.9	<10	3.2	2000	16	26	1.60	<1
104B-869100	93B	36	<2	<5	<100	39.7	<10	4.8	1500	30	36	4.40	1
104B-869101	869104 —	5	<2	<5	<100	5.1	<10	6.7	4100	12	16	2.30	<1
93 serp by schist 104B-869102	93C	24	11	<5	<100	118.0	<31	4.0	3000	16	<11	2.50	<1
104B-869103	95-mo 93D	6	17	<5	<100	100.0	<29	1.1	6660	7	12	1.40	<1
104B-869104	~~869101~~ 93E	5	<2	<5	<100	4.8	<10	6.1	4600	12	13	2.10	<1
104B-869105	94	30	<2	<5	<100	4.3	<10	7.2	950	15	24	2.50	<1
104B-869106	95	22	<2	<5	<100	0.9	<10	1.7	10500	13	16	2.40	<1
104B-869107	SS06 —	3	<2	<5	110	1.7	15	6.8	870	34	64	7.40	1

grn chl. and @ stream

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-1645

PROJECT: 23233-6-0860/01 PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
104B-869082	KQ-86-90A	<0.5	<2	0.3	10	1.7	11	<50	46	51.8	19.0	8.08
104B-869083	90B	<0.5	<2	<0.2	3	0.7	3	<50	15	12.0	4.5	7.18
104B-869084	90C	<0.5	<2	<0.2	2	0.8	4	<50	15	8.7	4.6	8.38
104B-869085	90D	<0.5	<2	<0.2	2	<0.5	3	<50	7	5.2	2.9	6.38
104B-869086	91	<0.5	<2	<0.2	3	1.0	2	<50	225	11.0	5.0	8.48
104B-869087	SSO6 –	1.4	5	0.9	6	2.3	21	<50	7	14.0	15.0	14.35
104B-869088	86-90-91A	<0.5	<2	<0.2	2	<0.5	2	<50	373	7.0	6.1	9.15
104B-869089	91B	<0.5	<2	<0.2	2	0.6	3	<50	26	7.7	6.1	6.89
104B-869090	92A	0.6	<2	0.2	2	0.6	11	<50	9	1.7	1.8	9.17
104B-869091	syenite	<0.5	<2	<0.2	3	<0.5	2	<50	13	9.0	6.8	7.96
104B-869092	92C	<0.5	<2	<0.2	3	0.5	6	<50	28	5.2	4.4	6.39
104B-869093	92D	0.6	<2	0.2	3	0.6	<1	<50	4	6.1	1.2	8.42
104B-869094	92E	<0.5	<2	<0.2	3	0.7	5	<50	475	4.5	3.6	7.18
104B-869095	deformed syenite	92F	<0.5	<2	<0.2	<1	<0.5	2	<50	29	2.8	2.4	7.79
104B-869096	" "	92G	<0.5	<2	0.2	6	0.6	<1	<50	37	21.1	12.0	8.48
104B-869097	SSO6 –	1.7	4	0.8	7	3.1	26	<50	6	17.0	18.0	10.20
104B-869098	deformed zone	92H	0.7	<2	0.3	3	0.9	38	<50	223	6.5	17.0	7.12
104B-869099	siliceous phase mylonite.	93A	<0.5	<2	<0.2	<1	<0.5	8	<50	38	2.3	1.9	9.03
104B-869100	93B	0.6	<2	0.4	3	0.6	16	<50	150	4.6	3.5	10.37
104B-869101	86-91-04 –	0.6	<2	0.4	3	<0.5	1	<50	248	5.1	2.4	8.93
104B-869102	93C	<0.5	<2	0.3	<1	0.7	6	<50	140	4.3	1.6	7.26
104B-869103	92D	<0.5	<2	0.3	1	<0.5	<1	<50	773	1.3	0.6	7.53
104B-869104	86-91-0	93E	<0.5	<2	0.3	2	<0.5	3	<50	224	4.5	2.4	8.02
104B-869105	94	<0.5	<2	<0.2	2	<0.5	2	<50	438	5.1	2.8	6.60
104B-869106	95	<0.5	<2	0.3	2	0.5	<1	<50	326	3.6	1.6	8.64
104B-869107	SSO6 –	1.5	5	0.8	6	2.4	21	<50	8	14.0	16.0	10.54

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-1645

PROJECT: 23233-6-0860/01 PAGE 4A

STANDARD NAME	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
BCC SOIL PULP STD 86		1.40	13.0	90	3.4	14	39	170	5.2	<5	8.3	85	610
		1.70	16.0	100	4.8	18	41	140	8.1	<5	10.0	110	770
		1.90	17.0	120	5.2	19	53	280	8.3	<5	11.0	130	790
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3	3
Mean Value		1.667	15.33	103.3	4.47	17.0	44.3	196.7	7.20	2.5	9.77	108.3	723.3
Standard Deviation		0.2517	2.082	15.28	0.945	2.65	7.57	73.71	1.735	0.00	1.365	22.55	98.66
Lowest Value		1.40	13.0	90	3.4	14	39	140	5.2	<5	8.3	85	610
Highest Value		1.90	17.0	120	5.2	19	53	280	8.3	<5	11.0	130	790
BCC ROCK PULP STD 86		0.93	9.0	260	4.4	23	89	1300	118.0	<5	3.1	52	500
		1.00	9.3	240	4.6	25	110	1300	121.0	<5	3.1	63	300
		1.00	10.0	270	4.5	27	130	1300	122.0	<5	4.0	56	<200
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3	3
Mean Value		0.977	9.43	256.7	4.50	25.0	109.7	1300.0	120.33	2.5	3.40	57.0	300.0
Standard Deviation		0.0404	0.513	15.27	0.100	2.00	20.50	0.00	2.082	0.00	0.520	5.57	200.00
Lowest Value		0.93	9.0	240	4.4	23	89	1300	118.0	<5	3.1	52	<200
Highest Value		1.00	10.0	270	4.6	27	130	1300	122.0	<5	4.0	63	500

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Geochemical Lab Report

REPORT: 017-1645

PROJECT: 23233-6-0860/01 PAGE 4B

STANDARD NAME / ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
BCC SOIL PULP STD 86	1	<2	<5	<100	0.9	<10	5.3	570	45	77	7.00	2
	2	<2	<5	<100	1.2	<10	6.4	720	58	110	11.00	<1
	2	<2	<5	<100	1.3	<23	6.7	790	61	110	11.00	<1
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3	3
Mean Value	1.5	1.0	2.5	50.0	1.12	7.2	6.13	693.3	54.7	99.0	9.667	1.0
Standard Deviation	0.31	0.00	0.00	0.00	0.236	3.75	0.737	112.40	8.50	19.05	2.3094	0.81
Lowest Value	1	<2	<5	<100	0.9	<10	5.3	570	45	77	7.00	<1
Highest Value	2	<2	<5	<100	1.3	<23	6.7	790	61	110	11.00	2
BCC [illegible]K PULP STD 86	16	<2	12	<100	1.1	<10	0.9	610	24	37	6.00	<1
	17	<2	6	<100	1.3	<10	1.7	670	24	45	6.50	<1
	18	4	10	<100	1.2	<10	1.7	640	24	49	6.50	<1
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3	3
Mean Value	17.0	1.9	9.4	50.0	1.20	5.0	1.44	640.0	24.0	43.7	6.333	0.5
Standard Deviation	1.00	1.62	2.95	0.00	0.100	0.00	0.445	30.00	0.00	6.11	0.2887	0.00
Lowest Value	16	<2	6	<100	1.1	<10	0.9	610	24	37	6.00	<1
Highest Value	18	4	12	<100	1.3	<10	1.7	670	24	49	6.50	<1

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Geochemical Lab Report

REPORT: 017-1645 | PROJECT: 23233-6-0860/01 | PAGE 4C

STANDARD NAME / ELEMENT / UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
BCC SOIL PULP STD 86	1.2	2	0.4	10	0.9	2	<50	<2	22.4	4.5	3.80
	1.5	3	0.5	13	1.6	2	<50	595	31.0	6.2	9.01
	1.7	4	0.5	14	1.9	<1	<50	<2	32.6	6.3	3.86
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3
Mean Value	1.47	3.0	0.47	12.3	1.47	1.4	25.0	199.0	28.67	5.67	5.557
Standard Deviation	0.252	0.70	0.066	2.08	0.502	0.82	0.00	342.95	5.486	1.012	2.9908
Lowest Value	1.2	2	0.4	10	0.9	<1	<50	<2	22.4	4.5	3.80
Highest Value	1.7	4	0.5	14	1.9	2	<50	595	32.6	6.3	9.01
BCC ROCK PULP STD 86	0.9	3	0.5	4	0.8	3	<50	45	5.9	3.2	5.74
	1.3	3	0.6	4	0.7	3	<50	79	6.6	3.4	13.30
	1.1	3	0.5	4	<0.5	<1	<50	54	6.5	3.6	3.24
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3
Mean Value	1.10	2.9	0.54	4.0	0.60	2.2	25.0	59.3	6.33	3.40	7.427
Standard Deviation	0.200	0.10	0.095	0.21	0.306	1.48	0.00	17.62	0.379	0.200	5.2378
Lowest Value	0.9	3	0.5	4	<0.5	<1	<50	45	5.9	3.2	3.24
Highest Value	1.3	3	0.6	4	0.8	3	<50	79	6.6	3.6	13.30

XRAL

f-87 Ballantyne B

CERTIFICATE OF ANALYSIS

REPORT 3298

TO: GEOLOGICAL SURVEY OF CANADA
ATTN: PETER BELANGER, RM 715
ECONOMIC GEOLOGY & MINERALOGY DIVISION
601 BOOTH STREET
OTTAWA, ONTARIO K1A 0E8

CUSTOMER No. 751

DATE SUBMITTED
17-Dec-87

REF. FILE 30811-PH

Total Pages 1

5 PULPS ON HAND RE:WO#30421 P.O. 23233-7-0934/15

	METHOD	DETECTION LIMIT
HG PPB	WET	5.
HG PPM	WET	0.01

X-RAY ASSAY LABORATORIES LIMITED

DATE 29-DEC-87

CERTIFIED BY .....

XRAL

29-DEC-87 REPORT 3298 REF.FILE 30811-PH

	SAMPLE	HG PPB	HG PPM
KQ-86- 54A	104B-869019	--	1.20
68	104B-869036	--	0.80
72A	104B-869046	--	2.44
87	104B-869073	--	0.47
—	104B-869077	370	--

R√K. 88

FILE NAME : BALLANTYNE.S.B. ROCKS 150-87

ELEMENT REPORT OF COMPLETED

FILE NUMBER : 15087

SAMPLE	NAME	E - M - A F DIONEX1 PYROHYDROL PPM 50	E - M - A CL DIONEX1 PYROHYDROL PPM 100	E - M - A S-TOTAL DIONEX1 PYROHYDROL PPM 50
93L	879501	532.	< 100.	3780.
93L	879502	269.	< 100.	352.
104B	879503	618.	105.	7941.
104B	879504	367.	< 100.	17012.
104B	879505	116.	< 100.	9791.
104B	879506	456.	< 100.	31085.
104B	879507	949.	104.	72.
104B	879508	298.	< 100.	717.
104B	879509	363.	< 100.	10495.
104B	879510	337.	< 100.	13653.
104B	879512	493.	< 100.	4154.
104B	879513	521.	< 100.	3841.
104B	879514	654.	< 100.	8765.
104B	879515	492.	< 100.	45529.
104B	879516	1998.	< 100.	905.
104B	879517	865.	113.	52.
104B	879518	556.	< 100.	131.
104B	879519	645.	< 100.	58.
104B	879520	423.	192.	103.
104B	879521	283.	< 100.	33997.
104B	879522	709.	< 100.	< 50.
104B	879523	602.	< 100.	< 50.
104B	879524	502.	< 100.	< 50.
104B	879525	695.	< 100.	74.
104B	879526	385.	< 100.	183.
104B	879527	963.	112.	66.
104B	879528	506.	< 100.	64405.
104B	879529	282.	< 100.	35584.
104B	879530	619.	< 100.	6904.
104B	879532	519.	< 100.	3965.
104B	879533	600.	< 100.	4702.
104B	879534	991.	< 100.	440.
104B	879535	159.	113.	97.
104B	879536	385.	< 100.	74.
104B	879537	956.	109.	50.
104B	879538	827.	< 100.	< 50.
104B	879539	608.	< 100.	3017.
104B	879540	708.	133.	121.
104B	879541	477.	< 100.	116.
104B	879542	627.	< 100.	2114.

FILE NAME : BALLANTYNE.S.B. ROCKS 150-87

ELEMENT REPORT OF COMPLE

FILE NUMBER : 15087

SAMPLE	NAME	E - M - A F DIONEX1 PYROHYDROL PPM 50	E - M - A CL DIONEX1 PYROHYDROL PPM 100	E - M - A S-TOTAL DIONEX1 PYROHYDROL PPM 50
104B	879543	428.	< 100.	19194.
104B	879544	317.	< 100.	55212.
104B	879545	1068.	< 100.	274.
104B	879546	283.	< 100.	139.
104B	879547	900.	< 100.	59.
104B	879548	462.	< 100.	815.
104B	879549	499.	< 100.	1031.
104B	879550	492.	< 100.	1310.
104B	879552	452.	< 100.	< 50.
104B	879553	440.	< 100.	3939.
104B	879554	523.	< 100.	222.
104B	879555	356.	< 100.	18677.
104B	879556	424.	< 100.	149.
104B	879557	967.	112.	58.
104B	879558	243.	< 100.	253.
104B	879559	268.	< 100.	101.
104B	879560	626.	131.	3595.
104B	879561	841.	< 100.	< 50.
104B	879562	673.	< 100.	3269.
104B	879563	51.	< 100.	15022.
104B	879564	681.	178.	142.
104B	879565	468.	142.	9124.
104B	879566	464.	< 100.	687.
104B	879567	818.	< 100.	67.
104B	879568	486.	< 100.	86.
104B	879569	505.	< 100.	< 50.
104B	879570	763.	< 100.	< 50.
104B	879572	843.	101.	< 50.
104B	879573	298.	101.	9967.
104B	879574	593.	< 100.	13994.
104B	879575	525.	133.	20600.
104B	879576	511.	< 100.	18721.
104B	879577	984.	< 100.	103.
104B	879578	657.	< 100.	1400.
104B	879579	714.	< 100.	15570.
104B	879580	910.	107.	31103.
104B	879581	636.	< 100.	652.
104B	879582	614.	< 100.	11575.
104B	879583	568.	< 100.	15132.
104B	879584	651.	< 100.	22080.

FILE NAME : BALLANTYNE.S.B. ROCKS 150-87

ELEMENT REPORT OF COMPLETE

FILE NUMBER : 15087

SAMPLE	NAME	E - M - A F DIONEX1 PYROHYDROL PPM 50	E - M - A CL DIONEX1 PYROHYDROL PPM 100	E - M - A S-TOTAL DIONEX1 PYROHYDROL PPM 50
104B	879585	384.	< 100.	16109.
104B	879586	247.	< 100.	34220.
104B	879587	970.	< 100.	67.
104B	879588	1295.	< 100.	45270.
104B	879589	542.	< 100.	16470.
104B	879590	106.	< 100.	10930.
104B	879592	913.	< 100.	10263.
104B	879593	216.	< 100.	3940.
104B	879594	625.	276.	32294.
104B	879595	594.	< 100.	61.
104B	879596	600.	< 100.	439.
104B	879597	903.	< 100.	52.

Rec'd 12/15/87

+-87 Ballantyne S.

XRAL

CERTIFICATE OF ANALYSIS

REPORT 3061

TO: GEOLOGICAL SURVEY OF CANADA
ATTN: PETER BELANGER, RM 715
ECONOMIC GEOLOGY & MINERALOGY DIVISION
601 BOOTH STREET
OTTAWA, ONTARIO K1A 0E8

CUSTOMER No. 751

DATE SUBMITTED
18-Nov-87

REF. FILE 30421-W5

Total Pages 3

106 PULPS P.O. 23233-7-0934-15

	METHOD	DETECTION LIMIT
HG PPB	WET	5.
TL PPM	ICPMS	0.1

RVK 1986
Rocks

X-RAY ASSAY LABORATORIES LIMITED

DATE 10-DEC-87

CERTIFIED BY .....

	SAMPLE	HG PPB	TL PPM	
	104B-869001	60	1.4	
	104B-869002	41	0.5	
	104B-869003	29	0.2	
	104B-869004	31	0.4	
	104B-869005	7	0.9	
	104B-869006	63	1.5	
	104B-869007	31	1.3	5506
	104B-869008	31	0.9	
	104B-869009	<5	0.6	
	104B-869010	55	1.2	
	104B-869011	15	2.6	
	104B-869012	<5	0.5	
	104B-869013	<5	0.5	
	104B-869014	280	1.5	
	104B-869015	73	2.3	
	104B-869016	31	0.4	
	104B-869017	15	1.4	
	104B-869018	53	1.4	
	104B-869019	>1000	0.4	
	104B-869020	5	0.7	
	104B-869021	670	8.4	
	104B-869022	10	0.3	
	104B-869023	42	0.2	
	104B-869024	17	0.3	
	104B-869025	60	1.6	
	104B-869026	640	7.9	
	104B-869027	30	1.3	5506
	104B-869028	35	4.6	
CHRT	104B-869029	520	1.9	
	104B-869030	25	3.3	
	104B-869031	15	2.0	
	104B-869032	12	3.2	
	104B-869033	380	17.4	
	104B-869035	160	4.0	
	104B-869036	>1000	0.8	
	104B-869037	37	1.3	5506
	104B-869038	55	1.2	
	104B-869039	190	1.2	
	104B-869040	22	2.0	
	104B-869042	27	0.7	
	104B-869043	97	3.0	
	104B-869044	150	1.2	
	104B-869045	100	3.1	
	104B-869046	>1000	0.8	
CHRT	104B-869047	530	1.9	
	104B-869048	110	2.0	
	104B-869049	600	3.0	
	104B-869050	500	3.1	
	104B-869051	120	2.4	
	104B-869052	31	3.1	

> - CONCENTRATION TOO HIGH FOR GEOCHEMICAL ANALYSIS

	SAMPLE	HG PPB	TL PPM
	104B-869053	690	3.8
	104B-869054	230	3.1
	104B-869055	80	2.0
	104B-869056	100	3.4
	104B-869058	7	3.4
	104B-869059	260	7.4
	104B-869060	230	6.5
CHRT	104B-869061	540	2.0
	104B-869062	38	2.0
	104B-869063	71	2.8
	104B-869064	180	2.9
	104B-869065	78	2.7
	104B-869066	320	2.7
	104B-869068	110	3.8
	104B-869069	81	2.2
	104B-869070	130	1.9
	104B-869071	180	1.2
	104B-869072	92	3.5
	104B-869073	>1000	4.4
	104B-869074	26	0.7
	104B-869075	17	1.7
	104B-869076	5	0.6
CHRT	104B-869077	74?	1.9
	104B-869078	33	0.7
	104B-869079	95	0.5
	104B-869080	21	0.7
	104B-869081	33	0.9
	104B-869082	10	0.5
	104B-869083	<5	0.6
	104B-869084	14	0.7
	104B-869085	17	0.8
	104B-869086	64	0.7
	104B-869087	21	1.3 5506
	104B-869088	31	0.9
	104B-869089	31	0.7
	104B-869090	19	0.8
	104B-869091	5	0.6
	104B-869092	40	0.6
	104B-869093	7	0.4
	104B-869094	38	0.9
	104B-869095	120	0.5
	104B-869096	14	0.5
	104B-869097	19	1.3 5506.
	104B-869098	110	1.6
	104B-869099	130	2.4
	104B-869100	130	2.2
	104B-869101	5	3.2
	104B-869102	150	2.9
	104B-869103	200	1.5
	104B-869104	<5	3.6

> - CONCENTRATION TOO HIGH FOR GEOCHEMICAL ANALYSIS

	SAMPLE	HG PPB		TL PPM	
	104B-869105		7		2.8
	104B-869106		7		0.7
	104B-869107		12		1.3
104B869030	7-87-108	25	40	3.3	3.3
104B869050	7-87-109	500	520	3.1	3.1
104B869105	7-87-110	7	<5	2.8	2.8

Rec'd 01/15/88

96-87 Ballantyne 3 Rod.

XRAL

CERTIFICATE OF ANALYSIS

REPORT 3388

TO: GEOLOGICAL SURVEY OF CANADA
ATTN: PETER BELANGER, RM 715
ECONOMIC GEOLOGY & MINERALOGY DIVISION
601 BOOTH STREET
OTTAWA, ONTARIO K1A 0E8

CUSTOMER No. 751

DATE SUBMITTED
3-Dec-87

REF. FILE 30597-PH

Total Pages 1

34 PULPS RE:WO#28296 P.O. 23233-6-0859/31

	METHOD	DETECTION LIMIT
HG PPM	WET	0.01
TL PPM	ICPMS	0.1

X-RAY ASSAY LABORATORIES LIMITED

DATE 11-JAN-88

CERTIFIED BY .....

XRAL

11-JAN-88 REPORT 3388 REF.FILE 30597-PH

	SAMPLE	HG PPM	TL PPM
KQ-86- 96	104B 869108AM	2.67	--
96A	104B 869109A	4.71	--
96B	104B 869110A	1.33	--
98	104B 869113AM	1.42	--
101A	104B 869119AM	19.5	--
101B	104B 869120A	0.61	--
102	104B 869122A	0.83	--
106	104B 869129A	15.9	--
112B	104B 869138A	8.33	--
112G	104B 869144A	1.30	--
113A	104B 869146A	1.93	--
115C	104B 869156A	0.92	--
—	104B 869161A	6.78	--
118A	104B 869166A	7.43	--
118D	104B 869170A	63.8	--
118E	104B 869171A	2.02	--
118F	104B 869172A	10.0	--
120A	104B 869175A	36.8	--
120B	104B 869176A	6.86	--
120D	104B 869179AM	3.04	--
121	104B 869182AM	3.18	--
121B	104B 869184AM	2.49	--
133B	104B 869211A	1.59	--
136	104B 869212A	2.55	--
—	104B 869225A	1.20	--
Premier	KQ86-40AM	1.40	--
	KQ86-40BM	1.03	--
	KQ86-41AM	1.09	--
	KQ86-43AM	4.15	--
	KQ86-43BM	7.48	--
	KQ86-43CM	3.80	--
	KQ86-43DM	4.76	--
—	104B 869197A	--	1.1
KQ-86- 129	104B 869198A	--	1.1

N E W H A W K G O L D M I N E S L T D
Box 308, Stewart, B. C. V0T 1W0

September 20, 1986

Dr. R. V. Kirkham
Geological Survey of Canada
Energy, Mines and Resources Canada
601 Booth Street
Ottawa, Ontario
K1A 0E8

Dear Rod;

I'm glad to hear that you and your samples have arrived safely back home. The camp is in a flurry of activity with the decline in progress and supplies and gear being flown in before the onset of the white stuff. The sampling has slowed down a bit but the new assayer is still working on clearing up the backlog and has a few samples to go. I'm sorry if the delay has caused you any inconvenience. In any case, here are the list of assays we have received to date:

AREA: Mitchell Glacier

Sample No.	Au oz/T	Ag oz/T
KQ-86-96b	0.014	1.969
KQ-86-115c	0.012	1.909
KQ-86-118a	0.005	0.697
KQ-86-118d	0.014	9.380
KQ-86-118e	0.004	0.189
KQ-86-118f	0.035	4.907

AREA: Hanging Glacier

Sample No.	Au oz/T	Ag oz/T
KQ-86-120b	0.314	6.145
KQ-86-120d	0.005	0.370
KQ-86-121	0.015	73.010
KQ-86-121b	0.010	123.144

(Ken's Hi-grade)

Thank you very much for a copy of your thesis. It provides a good source of information to satisfy my curiosity. I also enjoyed the reprieve from the detailed aspect of the day to day work by exploring the area on more of a regional scale.

I will forward the additional assay results as soon as we receive them, which should be fairly soon. I would welcome any additional information generated from mineralogical studies so I will talk it over with Fred Hewett in Vancouver. Again, thank you and the best of luck with the research, Captain Kirkham.

Ken Hicks
Ken Hicks

per N. Tribe

Oct. 1/86
Disappointing results — the Mitchell Glacier area had tonnage potential but unfortunately not much gold.
The #121 results confirm the ruby silver minerals but the veinlet set might have no tonnage #1206 is from a small vein.
Rod Kirkham

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	
Project No./Nº du projet	Submitted/Soumis:
Report No./Nº du rapport	Received/Reçu:
No. of samples/Nombre d'échantillons 140	Completed/Complété:

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

RVK's Copy

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNÉE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
104B 8691107	A				SSO3
108	AM		KQ8696		low grade AG VEIN
109	A.		KQ8696A		PYRITE=PY
110	A		KQ8696B		PY
111	A		KQ8696C		PY
112	A		KQ8697		PY
113	AM		KQ8697		HI AU
114	A		KQ8699		PY
115	A		KQ86/0101		
116	A		KQ86/0101A		
117	A				SSO3
118	A		KQ86/0101B		
119	AM		KQ86/0101A		HI ZN PB AU BA
120	A		KQ86/0101B		Same.
121	A.				~~8691136~~ 8691136
122	A		KQ86/0102		PY
123	M		KQ86/0124		BA
124	A.		KQ86/0103		BA
125	A.		KQ86/0104		HI AU
126	A		KQ86/0105		Same
127	A.				Same
128	A.		KQ86/0105A		Same.
104B. 8691129	A.		KQ86/0106		

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	BALLANTYNE
Project No./Nº du projet	79-0003
Report No./Nº du rapport	
No. of samples/Nombre d'échantillons	
Submitted/Soumis	JUNE 12/87
Received/Reçu:	
Completed/Complété:	

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE-EASTING OR LAT./ABSCISSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
1 2 3 4 5 6 7 8 9 10 11 12	13	14 15 16 17	18 20 25 26 32	33 35	36 80
L04B 869130	A		K Q 8 6 1 0 7		
31	A		K Q 8 6 1 0 8		
32	A		K Q 8 6 1 0 9		
33	A		K Q 8 6 1 1 0		
34	A		K Q 8 6 1 1 0 A		MO
35	A		K Q 8 6 1 1 1		PY
36	A		K Q 8 6 1 1 2 A		
37	A				SSO6
38	A		K Q 8 6 1 1 2 B		ZN
39	A		K Q 8 6 1 1 2 C		PY
40	A		K Q 8 6 1 1 2 D		PY
41	A				
42	A		K Q 8 6 1 1 2 E		MO PY
43	A		K Q 8 6 1 1 2 F		
44	A		K Q 8 6 1 1 26		
45	A		K Q 8 6 1 1 3		PY
46	A		K Q 8 6 1 1 3 A		
47	A				SSO3
48	A		K Q 8 6 1 1 3 B		
49	A		K Q 8 6 1 1 3 C		PY
50	A		K Q 8 6 1 1 3 D		PY
51	A		K Q 8 6 1 1 4		PY
L04B 869152	A		K Q 8 6 1 1 4 A		PY

...tical Services Information Sheets/Requête d'analyse -Documentation

1

...ologist/Géologue	BALLANTYNE
Project No./Nº du projet	790003
Report No./Nº du rapport	
No. of samples/Nombre d'échantillons	
Submitted/Soumis	June 12/87.
Received/Reçu:	
Completed/Complété:	

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
104B 869153	A.		KQ86115		PY
154	A		KQ86115A		PY
155	A		KQ86115B		PY
156	A		KQ86115C		PY
157	A				SS06
158	A.		KQ86115D		PY
159	A.				No sample.
160	A.		KQ86116		
161	A				869176
162	A.		KQ86116A		
163	A		KQ86117		
164	A		KQ86117A		
165	A		KQ86118		
166	A.		KQ86118A		
167	A				SS06
168	A		KQ86118B		
169	AM		KQ86118C		HI PY
170	A		KQ86118D		AG
171	A		KQ86118E		
172	A		KQ86118F		
173	A		KQ86119		
174	A		KQ86120		
104B 869175	A.		KQ86120A		ZN No sample.

...tical Services Information Sheets/Requête d'analyse -Documentation

1

Geologist/Géologue	BALLANTYNE
Project No./Nº du projet	790003
Report No./Nº du rapport	
No. of samples/Nombre d'échantillons	
Submitted/Soumis:	June 12/87.
Received/Reçu:	
Completed/Complété:	

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNÉE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
104B 869176	A		KQ86120B		
177	A.				SS03
178	A.		KQ86120C		
179	AM		KQ86120D		BA PB ZN
180	A		KQ86120E		
181	A				869196
182	AM		KQ86121		HI AG PB ZN
183	AM		KQ86121A		same as above
184	AM		KQ86121B		same " "
185	AM		KQ86121C		same " "
186	A		KQ86121D		
187	A.				SS03
188	A		KQ86122		PY
189	A.		KQ86123		PY
190	A		KQ86124		
191	A.		KQ86124A		HI PY
192	A		KQ86125		
193	A.		KQ86126		
194	A.		KQ86126A		
195	A		KQ86127		PY
196	A.		KQ86127A		PY
197	A				SS03
104B 869198	A.		KQ86128		

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	BALLANTYNE S
Project No./Nº du projet	790003
Report No./Nº du rapport	
No. of samples/Nombre d'échantillons	
Submitted/Soumis	June 12/83.
Received/Reçu:	
Completed/Complété:	

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
104B 869199	AM		KQ86128A		HI CU AU
200	A.		KQ86129		
201	A				869210
202	A		KQ86130		PY
203	A.		KQ86131		
204	A.		KQ86132		
205	A.		KQ86133A		
206	A		KQ86133B		
207	A.				SS06
208	A.		KQ86134A		
209	A.		KQ86134B		
210	A		KQ86135A		
211	A.		KQ86135B		HI AU AG
212	A		KQ86136		HI AG
213	A		DDH S85131 17, 18, 19, & 20' 20' has Mo-Qz vein *		PY
214	A		" 64'		PY
215	A		" 98, 99, 100, 101 *		
216	A.		" 140'		
217	A		–		SS03
218	A		" 160' S85131		
219	A		200'		
220	A.		230', 231', 232', 233' *		
221			–		869226

Analytical Services Information Sheets/Requête d'analyse -Documentation

1

Geologist/Géologue	[illegible]		
Project No./Nº du projet	[illegible]	Submitted/Soumis:	[illegible]
Report No./Nº du rapport		Received/Reçu:	
No. of samples/Nombre d'échantillons		Completed/Complété:	

Chemical Type/Composition type

- A – Acid Silicate/Roche silicatée acide
- B – Basic Silicate/Roche silicatée basique
- C – Carbonate/Carbonate
- I – Iron Formation/Roche ferrifère
- M – Mineral/Minéral
- O – Organic/Organique
- P – Phosphate/Phosphate
- S – Sulfide/Sulfure
- U – Ultrabasic/Ultrabasique
- V – Copper Present/Présence du cuivre
- W – U, Th Present/Présence de U, Th
- X – Unknown/Inconnu

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation (Zone - Easting or Lat./Abcysse ou Lat./Northing or Long/Ordonnee ou Long)	NTS SNRC	Comments – Description/Remarques – Descriptions
[illegible] 86P 222	A		DDH 58 73' 265'		
86P 223	A		284'		
224	A		316'		
225	A		350'		
226	A		384', 385', 386, 387' *		
227	A		—		SSC3
228	A		410'		
229	A		450 1/3 un vg?		
230	A		460'		
231	A		485'		and of Birkhamis Rock Trenches
~~232~~					

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	BALLANTYNE
Project No./Nº du projet	7A0003
Report No./Nº du rapport	
No. of samples/Nombre d'échantillons	
Submitted/Soumis:	9-12/87
Received/Reçu:	
Completed/Complété:	

Chemical Type/Compositic

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P –
S –
U –
V –
W –
X –

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Des
KQ86-37	A				
KQ86-37A	A				
KQ86-38A	A				
KQ86-38B	A				
KQ86-39	A				
KQ86-40A	M				one sample Light Sulphides
KQ86-40B	M				same
KQ86-40C	M				same
KQ86-41	M				same
KQ86-41A	M				
KQ86-42	A				same
KQ86-43A	M				same
KQ86-43B	M				same
KQ86-43C	M				same
KQ86-43D	M				same

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	BALLANTYNE S
Project No./Nº du projet	
Report No./Nº du rapport	17-87
No. of samples/Nombre d'échantillons	106 + 5
Submitted/Soumis:	
Received/Reçu:	
Completed/Complété:	

ORG-15
X

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

RUTs Copy 1

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
104B-8690001		1			
0002		2	KQ8644A		
0003		3	KQ8644B		
0004		4	KQ8644C		
0005		5	KQ8644D		
0006		6	KQ8645		
0007		7			
0008		8	KQ8646		
0009		9	KQ8647		
0010		10	KQ8648		
0011		11	KQ8649		
0012		12	KQ8656		
0013		13	KQ8651		
0014		14	KQ8652		
0015		15	KQ8653		
0016		16	KQ8653V		
0017		17			
0018		18	KQ8654		
0019		19	KQ8654A		
0020		20	KQ8655		
0021		21			
0022		22	KQ8656		
104B-8690023		23	KQ8657		

6-001

~X

X

not a KQ number?

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue (1–12)	
Project No./Nº du projet (13–18)	Submitted/Soumis:
Report No./Nº du rapport (19–24)	Received/Reçu:
No. of samples/Nombre d'échantillons	Completed/Complété:

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

1

Sample No./Nº d'échantillon (1–12)	Type (13)	Lab. No. Nº du labo. (14–17)	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG (18–32)	NTS SNRC (33–35)	Comments – Description/Remarques – Descriptions (36–80)
104B-8691024		24	KQ86581		
025		25	KQ86600		
026		26	KQ86611		
027		27			
028		28	KQ86612		
029		29	KQ86613		
030		30	KQ86614		
031		31	KQ86644A		
032		32	KQ86615		
033		33	KQ86616		
034		34			SAMPLE NOT REC'D.
035		35	KQ86617		
036		36	KQ86618		
037		37			
038		38	KQ86619A		
039		39	KQ86619B		
040		40	KQ86619C		
041		41			
042		42	KQ86710A		
043		43	KQ86710B		
044		44	KQ86710C		
045		45	KQ86711		
104B-8691046		46	KQ86712A		

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue (1–12)	
Project No./Nº du projet (13–18)	Submitted/Soumis:
Report No./Nº du rapport (19–24)	Received/Reçu:
No. of samples/Nombre d'échantillons	Completed/Complété:

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

1

Sample No./Nº d'échantillon (1–12)	Type (13)	Lab. No. Nº du labo. (14–17)	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG (18–32)	NTS SNRC (33–35)	Comments – Description/Remarques – Descriptions (36–80)
104B-8691047		147			
0481		148	KQ86728		
0491		149	KQ86733		
0501		150	KQ86744		
0511		151	KQ86755		
0512		152	KQ86755A		
0513		153	KQ86755B		
0514		154	KQ86766		
0515		155	KQ86766A		
0516		156	KQ86766B		
0517		157			
0518		158	KQ86777		
0519		159	KQ86788		
0520		160	KQ86788A		
0521		161			
0522		162	KQ86799		
0523		163	KQ86800		
0524		164	KQ86811		
0525		165	KQ86822		
0526		166	KQ86822A		
0527		167			
0528		168	KQ86822B		
104B-8691049		169	KQ86833		

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue (1–12)	
Project No./Nº du projet (13–18)	Submitted/Soumis:
Report No./Nº du rapport (19–24)	Received/Reçu:
No. of samples/Nombre d'échantillons	Completed/Complété:

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
C – Carbonate/Carbonate
I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

1

Sample No./Nº d'échantillon (1–12)	Type (13)	Lab. No. Nº du labo. (14–17)	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG (18–32)	NTS SNRC (33–35)	Comments – Description/Remarques – Descriptions (36–80)
104B-869-070		70	KQ8684		
071		71	KQ8685		
072		72	KQ8686		
073		73	KQ8687		
074		74	KQ8688A		
075		75	KQ8688B		
076		76	KQ8689		
077		77			
078		78	KQ8689A		
079		79	KQ8689B		
080		80	KQ8689C		
081		81			
082		82	KQ8690A		
083		83	KQ8690B		
084		84	KQ8690C		
085		85	KQ8690D		
086		86	KQ8691		
087		87	~~KQ8691A~~		
088		88	KQ8691A		
089		89	KQ8691B		
090		90	KQ8692A		
091		91	KQ8692B		
104B-869-092		92	KQ8692C		

Analytical Services Information Sheets/Requête d'analyse -Documentation

Geologist/Géologue	
Project No./Nº du projet	Submitted/Soumis:
Report No./Nº du rapport	Received/Reçu:
No. of samples/Nombre d'échantillons	Completed/Complété:

Chemical Type/Composition type

A – Acid Silicate/Roche silicatée acide
B – Basic Silicate/Roche silicatée basique
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I – Iron Formation/Roche ferrifère
M – Mineral/Minéral
O – Organic/Organique
P – Phosphate/Phosphate
S – Sulfide/Sulfure
U – Ultrabasic/Ultrabasique
V – Copper Present/Présence du cuivre
W – U, Th Present/Présence de U, Th
X – Unknown/Inconnu

1

Sample No./Nº d'échantillon	Type	Lab. No. Nº du labo.	Location/Localisation ZONE - EASTING OR LAT./ABCYSSE OU LAT./ NORTHING OR LONG/ORDONNEE OU LONG	NTS SNRC	Comments – Description/Remarques – Descriptions
1 2 3 4 5 6 7 8 9 10 11 12	13	14 15 16 17	18 20 25 26 32	33 35	36 80
1048-8691093		93	KQ8692D		
094		94	KQ8692E		
095		95	KQ8692F		
096		96	KQ8692G		
097		97	XX		
098		98	KQ8692H		
099		99	KQ8693A		
100		100	KQ8693B		
101		101			
102		102	KQ8693C		
103		103	KQ8693D		
104		104	KQ8693E		
105		105	KQ8694		
106		106	KQ8695		
107		107	SISOG		
7-87-108		108	KQ8696		
7-87-109		109	KQ8696A		
7-87-110		110	KQ8696B		
7-87-111		111	KQ8696C		
7-87-112		112	KQ8697		