ITSI OPTION

ROSS RIVER AREA YUKON

GEOCHEMISTRY

A. Troup May 1977

CLAIMS

CLAIM NAME		TAG NUMBER	RECORDING DATES
ITSI	1 - 8	Y84427-34	Aug. 4, 1975
	9 - 24	Y93525-40	Aug. 20, 1975
	25 - 32	Y84435-42	Aug. 4, 1975
	33 - 40	Y93541-48	Aug. 20, 1975
	41 - 48	Y84443-50	Aug. 4, 1975
PRE	1 - 19	Y93470-88	Aug. 19, 1975
	20	Y93778	Oct. 3, 1975
	21 - 24	Y93489-92	Aug. 19, 1975
VOST	1 - 24	Y93501-24	Aug. 20, 1975
RIVER	1 - 24	Y93708-31	Sept. 17, 1975

LOCATION

Watson Lake Mining District

N.T.S.: 105-J-9, 16

U.T.M.: 6856000MN, 437000ME; Zone 9

690 99

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$ 4451.82

Resident Geologist or
~~Resident Mining Engineer~~

Considered as representation work under Section 58 (4) Yukon Quartz Mining Act.

[illegible] BAXTER
Supervising Mining Recorder

for Commissioner of Yukon Territory

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MAPS

ITSI OPTION

Ross River Area Yukon

Geochemistry

1.0 INTRODUCTION

The Itsi option is a stratiform lead and zinc property located approximately 45 km. south of MacMillan Pass in the eastern Yukon. In early 1977 the property was optioned from Trident Resources Inc. (N.P.L.) by Rio Tinto Canadian Exploration Ltd.

Upon acquisition of the property it was learned that soil samples taken previously over the property had been analysed only for zinc. Since these samples were acquired with the property the decision was made to analyse them for the elements Ag, Cu, Co, Mo, Ni and Pb. It was hoped that this work would lead to a somewhat better understanding of the property before the start up of field work in early June 1977.

Results of this work are discussed in the following report.

1.1 PROPERTY LOCATION AND ACCESS

The Itsi Property is located in the Watson Lake Mining District approximately 160 km north-east of the Yukon community of Ross River and 45 km south of Macmillan Pass. The claims encompass an area of approximately 27.5 km^2 centering on Latitude $62^{o}44'$ N and Longitude $130^{o}14'$ W.

The property is accessible only by helicopter although the North Canol Road lies approximately 30 km to the north west. During the 1977 field season two companies, Northern Mountain Helicopters and Trans West Helicopters, will have helicopters for casual use based at Macmillan Pass. Additional helicopter service is available in Ross River from Terrair and Trans North Turbo Air.

2.0 GENERAL GEOLOGY

The Itsi area was mapped at a scale of 1:250,000 by the G.S.C. in the early 1960's (G.S.C. Map 12-1961; Roddick & Green). This work shows the area of the Itsi property to be underlain by black clastics, chert and limestone of Ordovician to Silurian age. In 1975 geological mapping was carried out over the property by Agilis Engineering Ltd. of Vancouver. Although of a reconnaissance nature, this work suggested the stratigraphic sequence found on the property to be very similar to that found over the Howards Pass property 40 km to the south east.

3.0 GEOCHEMISTRY

3.1 SAMPLING, SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

Geochemical sampling was carried out over the Itsi property in 1975 by Agilis Engineering Ltd. This programme was of a reconnaissance nature and involved taking soil samples at two hundred foot (61 m) intervals along reconnaissance lines in areas where a positive reaction was obtained with secondary zinc mineral stain solution. Wherever possible samples were collected from the 'B' soil horizon but in many cases samples were essentially 'talus fines'. A total of 354 samples were collected from the property.

All samples were placed in Kraft paper envelopes bearing the grid location at which each sample was taken. Samples were then shipped to Chemex Laboratories in North Vancouver. Here all samples were analysed for Zn and approximately one third were analysed for Pb. The results have been discussed in a previous report by Agilis Engineering.

In March 1977 the samples were acquired by Rio Tinto Canadian Exploration Ltd. and transferred to the Rio Tinto Laboratory in North Vancouver. The samples were then sieved through 80 mesh bolting cloth

and the oversized material discarded. Analysis was carried out on the minus 80 mesh fraction by atomic absorption spectrometer after digestion with hot concentrated nitric and hydrochloric acid. The Ag, Co, Cu, Mo, Ni and Pb concentrations in parts per million (ppm) were obtained by the company analyst, Mr. E.F. Paski, Jr.

3.2 PRESENTATION AND DISCUSSION OF RESULTS

A 1:5,000 scale topographic map contoured at 20 metre intervals has now been prepared for the Itsi property. This map was produced for Riocanex from existing federal government aerial photography by Pacific Survey Corporation of Vancouver. Results of the present analytical work are presented on eight copies of this map (Drawing 8521 to 8528).

Threshold and anomalous levels for each of the elements of interest have been derived by standard statistical computations. These values the mean ($\bar{X}$) and standard deviation (S) are given in parts per million (ppm) in Table I.

TABLE I

Threshold and Anomalous Metal Values for 330 'Talus Fine' soil samples taken over the Itsi Property, Yukon Ty.

METAL	MEAN X	STANDARD DEVIATION S	THRESHOLD X + 2S	ANOMALOUS X + 3S
Ag	0.75 ppm	0.69 ppm	2.1 ppm	2.8 ppm
Co	11.5 "	6.4 "	24 "	31 "
Cu	73.2 "	44.8 "	163 "	208 "
Mo	7.64 "	5.19 "	18 "	23 "
Ni	47.9 "	34.7 "	117 "	152 "
Pb	15.4 "	14.5 "	44 "	59 "

(Data on the minus 80 mesh fraction: analysis on the atomic absorption spectrometer after digestion with hot concentrated nitric and hydrochloric acid.)

Inspection of the geochemical data shows three separate areas to be anomalous for one or more elements.

Along the south edge of the sample area five high lead values ranging to 35,000 ppm occur in the vicinity of high zinc values reported previously by Agilis Engineering. Secondary zinc oxide was also recognized in this area by Agilis. The anomaly is therefore believed to be important.

Near the centre of the property a coincident Ag, Mo and Ni anomaly occurs on several adjacent lines. Within this area Ag values to 16.5 ppm, Mo values to 116 ppm and Ni values to 405 ppm are seen. Scattered high Cu values to 340 ppm also occur within this anomaly. Due to the widespread nature of the reconnaissance sample lines and a lack of geological control this anomaly is difficult to assess. The high metal values possibly represent a higher background developed over a black shale horizon.

A third anomaly consisting of coincident high Cu and Mo values occurs near the north east corner of the property. Copper values to 420 ppm and Mo values to 41 ppm are seen in this area. Scattered high Ni values to in excess of 2000 ppm also occur within this anomaly. Because of this somewhat unusual metal association the anomaly is believed to represent an area of black shales having somewhat higher background concentrations of these elements.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The recent geochemical analysis have shown background concentrations for the elements Ag, Cu, Mo, Pb and Ni to change drastically across the Itsi property. This is believed to be reflecting changes in the underlying geology. Near the south edge of the sample grid a strong Pb-Zn anomaly occurs in the vicinity of known secondary zinc oxide coatings. This anomaly is thought to be important.

Additional work consisting of detailed mapping and detailed soil sampling is recommended for the property.

Respectively submitted,

RIO TINTO CANADIAN EXPLORATION LIMITED,

A. G. Troup

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. G. TROUP

A. G. Troup, P. Eng.

AGT:jb
Vancouver office
June 1977

YUKON TERRITORY

ABACORN SYNDICATE

ITSI, RIVER, PRE & VOST CLAIMS

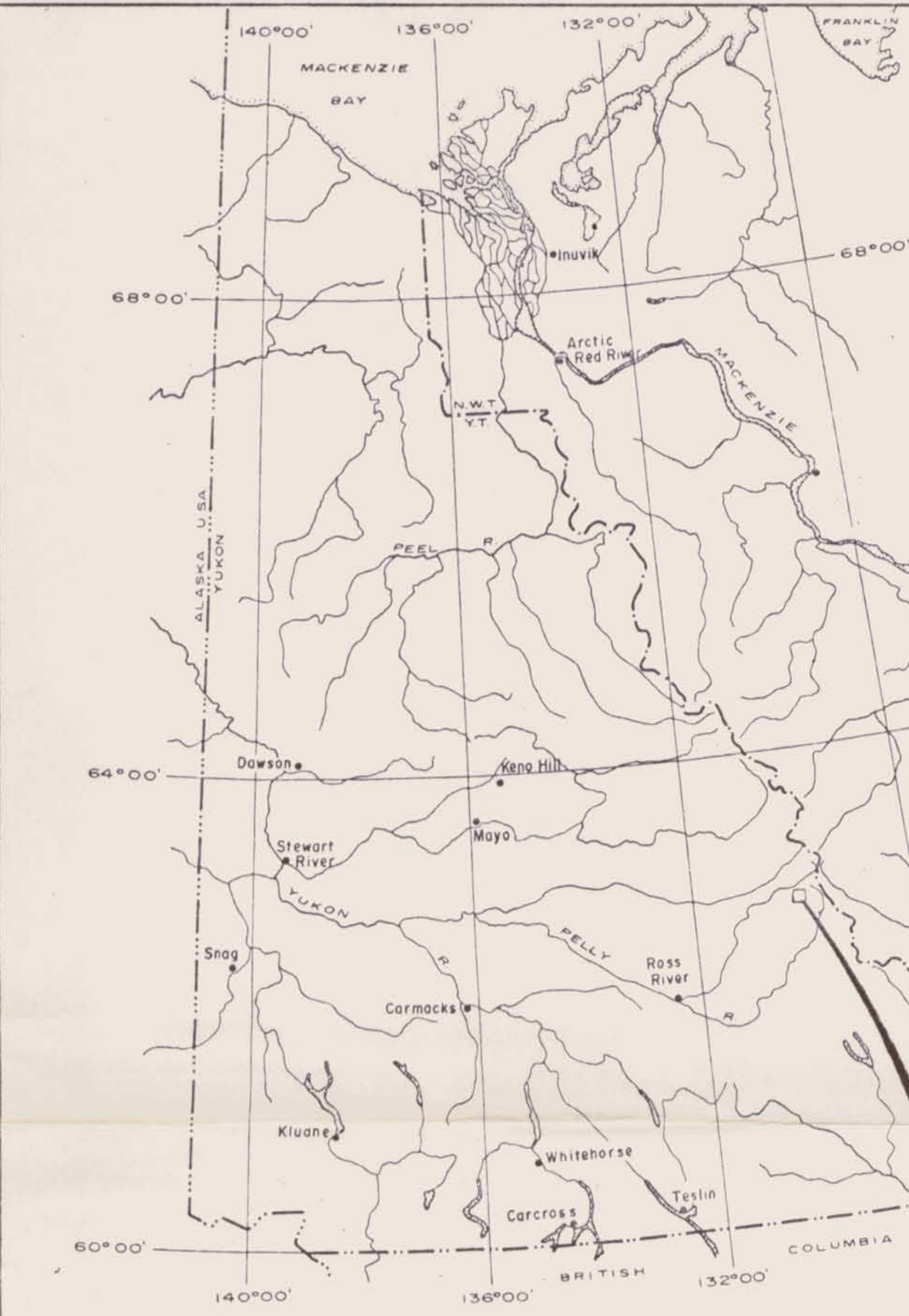
WATSON LAKE MINING DIVISION, Y.T.

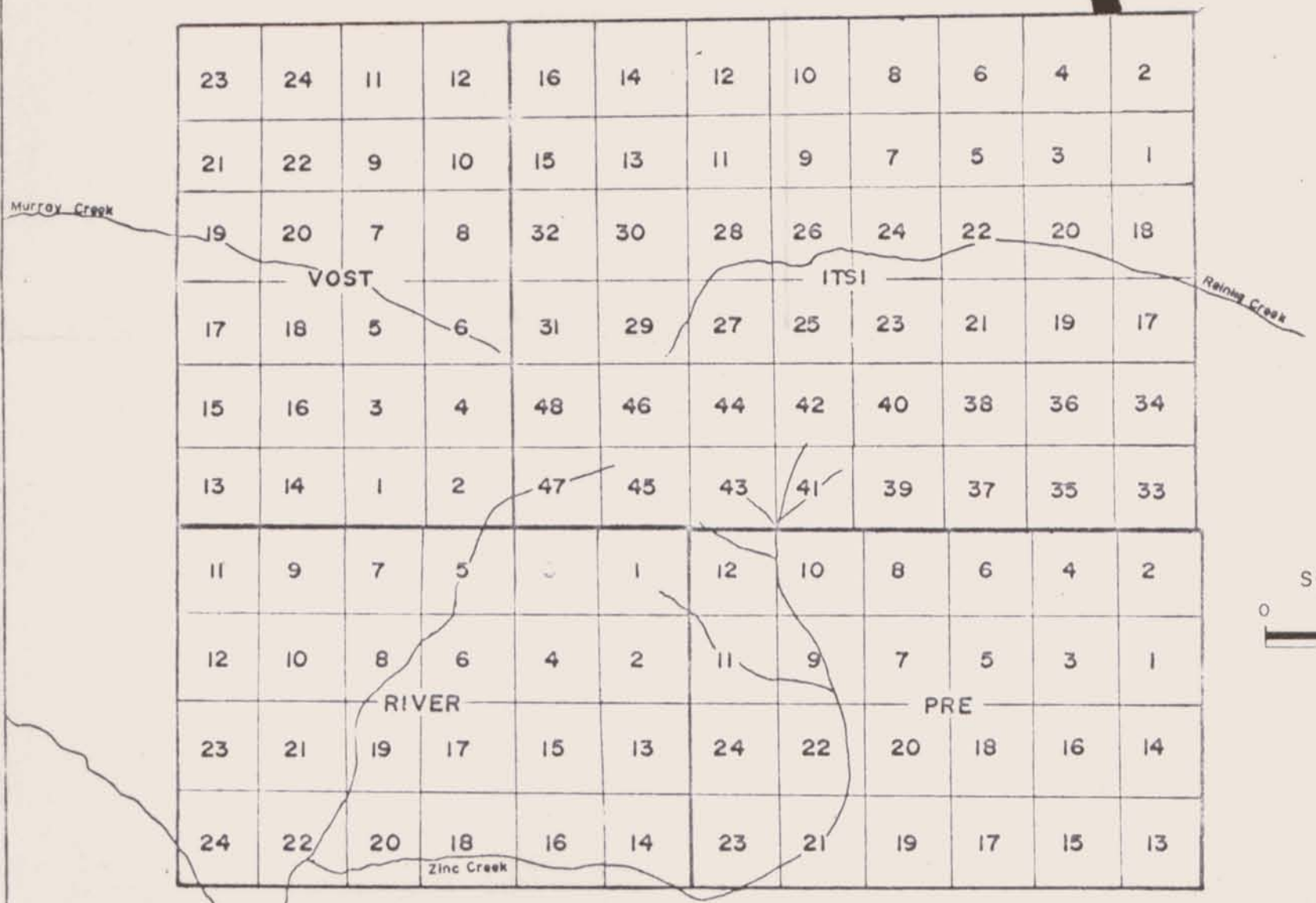
PROPERTY LOCATION MAP

SCALE IN MILES

50 0 50 100 150

AGILIS ENGINEERING LTD. NOVEMBER 1975





APPENDIX I

OFFICE COPY

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

EXTRN 8 A ANDLZ

SAMPLE TYPE:

- [✓] SOIL & STREAM SEDIMENTS
- [ ] ROCK
- [ ] VEGETATION
- [ ] WATER
- [ ] ______

PROJECT 8611

DATE REPORTED 24 May '77

SIZE FRACTION (-80 mesh ?)

EXTRACTION HNO_3 - HCl

ANALYTICAL METHOD A.A.

ANALYST (s) E.F.P.

STATISTICAL SUMMARY

(Values for $\bar{x}$ and σ in p.p.m.)

DISTRIBUTION

- [ ] LOG NORMAL
- [ ] NORMAL

ELEMENT	Ag	Cu	Mo	Ni	Pb	Co		
Nº SAMPLES	345	345	345	345	345	345		
MEAN. $\bar{X}$								
STD. DEV. σ								
$\bar{X} + 2\sigma$								

COMMENTS: [illegible]
(TRIDENT [illegible])

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RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
1	L22E - 28S		1.7	290	20	82	24	24		1 Aug '75
2	24E -		0.5	33	2	24	7	5		
3	26 -		2.0	320	11	87	20	18		
4	28 -		1.0	43	10	24	10	5		
5	30 -		0.2	39	5	16	8	6		
6	18 -		0.5	4	ND	2	1	1		
7	16 -		0.5	47	2	17	4	4		
8	14 -		ND	104	6	38	15	11		
9	12 -		0.5	6	1	3	ND	2		
10	10 -		0.1	73	5	25	10	7		
1	8 -		0.8	75	4	24	8	10		
2	6 -		0.4	47	5	24	14	26		
3	4 -		0.2	25	1	12	4	5		
4	L22E - 28S		0.1	11	ND	4	2	2		
~~5~~	~~STD~~		~~0.1~~	~~15~~	~~2~~	~~7~~	~~29~~	~~5~~		
6	L0 - 28S		0.2	34	1	13	4	4		
7	L2W - 28S		0.2	28	2	10	7	4		
8	4 W -		0.3	33	4	16	7	8		
9	6 W -		0.5	86	4	48	13	28		
10	8 W -		0.5	128	7	44	14	16		
1	10 W		0.2	38	4	18	6	8		
2	12 W -		1.0	170	7	56	15	18		
3	14 W -		ND	67	5	26	10	8		
4	16 W -		ND	49	4	30	11	9		
~~5~~	~~PEAK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
6	18 W -		0.4	77	3	54	22	34		
7	20 W -		0.2	42	2	24	10	12		
8	22 W -		0.7	105	3	38	17	17		
9	24 W		0.3	51	2	40	15	20		
10	L24W - 28S		0.8	128	5	48	18	26		
1	L28E - 56S		ND	39	7	71	23	36		
2	L26E - 56S		0.2	77	4	60	15	33		
3	24 W -		0.4	47	2	42	16	39		
4	22 W -		0.1	45	2	28	13	13		
5	20 W		ND	18	2	13	5	7		
6	18 W -		ND	6	ND	4	3	2		
7	16 W -		ND	25	3	26	10	12		
8	14 W -		ND	52	4	20	11	12		
9	12 W -		ND	53	5	35	9	14		
10	L30E 28S		ND	25	2	18	7	8		

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LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
41	L8E - 56S	ND	~~0.1~~	54	3	30	12	16		1 AUG '75
2	6 -	ND	~~0.1~~	12	2	6	4	3		
3	4 -	ND	0.2	7	1	4	2	2		
4	L2E - 56S	ND	~~0.1~~	17	2	14	3	4		
5	L0 - 56S	ND	0.8	20	3	15	6	10		
6	L2W - 56S	ND	~~1.0~~	15	3	10	5	4		
7	4 -	ND	~~0.5~~	10	3	8	5	17		
8	6 -	ND	0.3	20	1	14	5	18		
9	8 -	ND	~~0.2~~	60	4	42	14	23		
50	10 -	ND	~~0.4~~	11	2	6	3	5		
1	12 -		0.1	30	4	32	8	22		
2	14 -		0.1	43	5	67	14	24		
3	16 -		0.2	39	4	28	7	10		
4	18 -		0.6	68	6	48	18	13		
5	20 -		0.8	74	5	55	16	14		
6	~~L1W2~~		~~1.1~~	~~32~~	~~36~~	~~10~~	~~376~~	~~8~~		
7	22 -		0.3	59	7	64	8	15		
8	24 -		0.3	75	10	120	17	21		
9	26 -		0.2	46	5	43	37	9		
60	L28W - 56S		0.1	58	7	57	17	9		
1	L0 - 58S		0.2	45	2	24	63	11		
2	L0 - 60S		0.3	45	2	32	27	7		
3	L0 - 62S		0.1	35	2	48	27	8		
4	L0 - 64S		1.1	91	9	86	43	12		
5	L0 - 66S		0.3	21	3	17	93	5		
6	~~RT MAT~~		~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~		
7	L38W - 66S		2.0	131	45	165	113	17		
8	L0 - 68S		0.1	27	6	22	11	7		
9	L38W - 68S		1.5	88	22	90	115	10		
70	L0 - 70S		ND	39	5	425	8	5		
1	L2W - 70S		0.4	11	2	15	2	2		
2	4 -		0.5	62	32	92	14	15		
3	6 -		1.5	44	13	65	12	15		
4	8 -		0.1	17	4	15	8	5		
5	10 -		0.6	31	10	315	6	6		
6	12 -		0.2	49	9	66	14	11		
7	14 -		0.2	47	12	40	16	9		
8	16 -		0.4	36	6	28	9	6		
9	18 -		1.0	80	15	130	125	11		
80	L2W - 70S		0.3	13	2	8	11	4		

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PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
81	L22W-70S		0.4	53	10	872	53	7		1 AUG '75
2	24		8.0	230	140	122	35,000	7		↑
3	26		2.1	78	60	78	7,200	7		|
4	28		0.4	19	22	13	390	2		|
5	30		1.5	75	35	106	38	7		|
6	32		0.7	44	22	52	134	7		|
7	34		1.2	32	11	100	43	8		|
8	36		0.1	10	1	72	2	2		↓
9	L38W-70S		0.8	61	16	56	25	10		1 AUG '75
90	L84W+30S		2.0	69	7	22	14	6		21 JULY '75
1	L84W+32S		1.6	89	33	124	14	12		|
2	34		3.1	147	55	190	24	18		|
3	36		2.0	93	27	132	16	11		|
4	38		2.2	109	24	140	20	19		|
5	40		5.8	153	36	205	18	13		|
6	42		16.5	340	116	235	26	7		|
~~7~~	~~STD 3~~		~~1.1~~	~~39~~	~~3~~	~~24~~	~~5~~	~~13~~		|
8	44		2.2	51	16	24	33	4		|
9	46		2.6	124	10	40	22	7		|
100	48		1.5	136	12	72	28	14		|
1	50		1.4	145	10	62	29	13		|
2	52		1.1	113	8	62	26	13		|
3	54		0.9	46	12	24	14	4		|
4	L84W+56S		1.1	32	5	24	9	4		|
5	L64W+34S		1.2	60	4	64	19	18		|
6	+35S		1.1	71	8	86	16	20		|
~~7~~	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		|
8	36		1.6	112	16	160	12	14		|
9	37		3.7	130	13	245	10	10		|
110	38		2.6	102	9	205	8	12		|
1	L64W+39S		1.4	74	16	105	16	17		|
2	L66W+34W		0.4	55	4	48	9	22		|
3	35		5.2	230	20	375	20	14		|
4	36		4.7	93	18	220	12	18		|
5	37		4.7	200	49	405	12	12		|
6	38		8.4	280	100	335	23	15		|
7	39		3.8	160	16	155	37	29		|
8	L66W+40S		3.5	150	36	172	30	16		|
9	L42W+ 4S		0.2	35	3	15	6	5		|
120	L42W+6S		ND	46	5	36	9	14		↓

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LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mn	Ni	Pb	Co		COMMENTS
121	L42(W)+85		N/D	26	2	14	4	7		21 JULY '75
2	10		0.1	97	7	64	16	20		
3	12		0.1	38	7	23	14	10		
4	14		0.2	13	3	11	6	4		
5	16		N/D	7	N/D	9	N/D	4		
6	18		0.2	73	8	63	19	16		
7	20		0.4	48	4	26	8	5		
8	22		0.2	47	6	28	11	7		
9	24		0.3	29	4	22	9	5		
130	26		0.1	14	1	8	2	3		
1	L42(W)+285		1.2	78	14	84	45	13		
2	L5(W)+375		1.3	80	24	126	14	12		
3	38		1.9	111	17	124	16	11		
4	40		1.7	128	33	152	33	16		
5	42		1.9	108	43	152	30	11		
6	44		1.3	101	29	124	14	15		
7	46		2.3	105	50	165	19	18		
~~8~~	~~TD-1~~		~~0.1~~	~~15~~	~~1~~	~~6~~	~~2~~	~~5~~		
9	48		2.8	175	56	220	18	25		
140	50		2.8	175	93	252	18	35		
1	52		5.1	460	185	230	22	44		
2	L5(W)+585		0.9	115	18	54	24	12		
3	L28(W)+325		0.4	56	5	34	18	12		
4	30		1.0	86	6	58	18	22		
5	32		1.0	107	6	56	16	21		
6	34		0.8	98	7	54	27	22		
7	36		1.3	82	11	62	28	16		
~~8~~	~~BLANK~~		~~N/D~~	~~N/D~~	~~1~~	~~N/D~~	~~N/D~~	~~N/D~~		
9	38		0.8	91	12	84	27	19		
150	40		0.8	62	10	63	33	11		
1	44		0.7	43	9	46	17	8		
2	41		0.5	42	12	44	23	11		
3	48		2.4	122	51	145	73	17		
4	50		1.5	118	29	125	30	15		
5	52		1.0	210	16	108	22	33		
6	54		0.5	57	7	28	12	7		
7	56		1.6	102	8	34	18	11		
8	58		0.8	98	8	32	27	8		
9	60		2.0	152	11	53	29	12		
160	L6(W)+285		1.1	132	10	42	24	10		

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LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
161	L64W+28S		1.4	144	9	55	26	13		21 July '75
2	66		1.4	123	10	72	28	15		
3	68		1.0	102	7	48	17	11		
4	70		0.9	118	9	56	22	15		
5	72		1.2	110	10	48	20	13		
6	74		0.8	67	5	28	15	8		
7	76		2.2	110	12	33	26	8		
8	78		1.8	85	10	22	22	6		
9	80		1.3	87	8	26	20	15		
170	82		1.5	116	10	41	19	19		
1	L84W+28S		0.9	21	1	6	?	3		
~~2~~	~~STD 2~~		~~0.9~~	~~33~~	~~34~~	~~8~~	~~370~~	~~7~~		
3	L56W+56S		1.2	93	11	57	19	11		
4	58		1.8	121	10	74	28	15		
5	60		0.8	142	8	93	22	21		
6	62		0.7	166	7	50	19	10		
7	64		1.1	115	8	54	34	11		
8	68		0.6	44	7	14	19	4		
9	70		0.9	190	15	130	25	37		
180	72		1.0	175	16	108	19	32		
1	74		1.0	132	13	68	23	14		
~~2~~	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
3	76		1.1	93	10	45	24	8		
4	78		1.3	101	10	53	23	14		
5	80		1.6	145	24	87	22	13		
6	L82W+56S		2.2	70	23	44	9	4		
7	BL42W+00		0.3	73	7	44	15	17		
8	L42W+2S		2.8	37	28	12	15	1		
9	L2E+2S		0.3	72	5	21	9	4		
190	4		0.3	36	10	18	11	9		
1	6		0.3	250	9	76	11	19		
2	8		0.2	104	6	21	9	8		
3	10		0.7	26	32	14	19	12		
4	12		0.3	63	9	90	14	18		
5	14		0.9	74	19	50	24	11		
6	16		0.2	59	9	43	25	15		
7	18		0.3	78	9	55	35	19		
8	20		1.3	79	16	80	26	16		
9	22		0.6	86	13	54	34	14		
200	L24E+2S		1.0	60	12	28	12	8		

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LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
201	L26E+25		0.7	83	7	27	10	7		21 JULY 75
2	L28E+25		0.7	66	16	35	16	16		
3	L2E+45		0.2	46	8	29	17	7		
4	4		0.3	51	6	24	10	7		
5	6		0.2	101	11	38	10	13		
6	8		0.1	137	9	55	13	27		
7	10		0.1	117	12	48	10	8		
8	12		0.2	25	3	54	4	3		
9	14		0.9	180	19	92	13	22		
210	16		0.4	80	7	24	6	4		
1	18		ND	5	1	3	1	4		
2	20		0.2	33	4	28	9	8		
3	~~STD 3~~		~~ND~~	~~38~~	~~3~~	~~88~~	~~4~~	~~12~~		
4	22		0.2	21	4	16	7	3		
5	24		1.3	92	11	46	11	9		
6	26		0.5	58	7	38	12	9		
7	L28E+45		0.2	44	8	43	12	9		
8	LA+2N		1.0	185	8	60	15	39		
9	4		1.2	147	10	49	17	21		
220	6		1.0	110	11	34	19	9		
1	8		0.8	90	7	36	15	7		
2	10		0.6	66	8	27	17	5		
3	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
4	12		0.7	110	8	47	18	9		
5	14		0.1	37	9	33	11	13		
6	16		0.2	45	5	29	15	11		
7	LA+18N		0.2	43	5	24	16	16		
8	LB+25		0.5	52	5	54	33	16		
9	4		0.5	88	10	60	35	14		
230	6		1.9	88	40	92	17	11		
1	8		1.9	87	21	84	24	11		
2	10		1.1	115	21	120	24	15		
3	LA+145		2.3	139	47	180	15	12		21 JULY 75
4	BL1E+00		ND	5	24	1456	ND	260		14 JULY 75
5	2E		0.4	56	7	37	16	10		~~4 JULY~~
6	4		0.9	70	14	32	73	10		
7	6		1.4	90	15	36	61	8		
8	8		0.2	102	5	70	22	32		
9	10		0.2	38	5	29	4	6		
240	R1 12E+00		0.7	97	11	39	13	9		

REPORT Nº. 77-7

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
241	BL14E+00		0.2	8	ND	16	2	2		14 JUL 7 '77
2	16		0.2	38	4	30	4	6		
3	18		1.8	210	26	63	14	10		
4	20		0.5	39	6	35	16	11		
5	22		0.3	67	10	74	11	15		
6	24		0.2	27	4	18	12	5		
7	26		0.2	24	5	15	32	10		
8	BL28E+00		0.4	56	5	16	11	6		
9	BL 0+00		ND	6	31	2050	ND	340		HI Fe ??
250	BL1W+00		1.7	128	19	78	35	20		
1	BL2W+00		0.7	125	11	55	32	16		
2	4		0.2	33	4	21	7	7		
3	6		ND	13	ND	10	2	4		
~~4~~	~~STD 1~~		~~ND~~	~~15~~	~~1~~	~~6~~	~~28~~	~~5~~		
5	8		1.6	94	8	60	19	16		
6	10		0.2	54	4	32	13	11		
7	12		0.3	70	6	41	20	12		
8	14		0.2	51	5	37	13	11		
9	16		ND	19	3	10	3	3		
260	18		ND	21	3	26	5	5		
1	20		0.2	54	7	42	14	13		
2	22		ND	47	7	47	10	9		
3	24		0.2	121	14	152	23	57		
~~4~~	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
5	26		0.1	23	4	16	6	5		
6	BL2RW+00		0.1	63	5	39	13	12		
7	L0+1N		0.1	56	7	62	19	21		
8	L1W+1N		0.3	51	7	46	26	12		
9	L28E+2N		ND	5	ND	2	2	1		
270	L0+2N		0.7	83	14	52	11	11		
1	L1W+2N		ND	101	3	185	14	49		
2	2		ND	54	5	67	12	16		
3	4		0.2	79	8	96	13	22		
4	6		0.1	76	7	92	13	21		
5	"C"		0.1	53	4	47	14	16		SILT ??
6	10		0.1	56	4	46	14	13		
7	12		0.2	56	5	52	14	22		
8	14		0.3	92	6	165	11	69		
9	16		0.2	45	7	42	11	9		
280	L1W +2N		ND	60	9	49	16	13		4

REPORT Nº. 77-7

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)	#	Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
281	L20W+2N		0.3	37	7	36	11	6		14 JULY '75
2	22		0.1	25	3	15	4	4		
3	24		0.2	61	5	50	13	11		
4	26		0.1	17	4	8	2	2		
5	L28W+2N		0.8	82	9	42	14	11		
6	L0+1S		6.5	61	18	18	165	3		
7	L0+2S		0.5	103	11	40	14	10		
8	L2W+2S		0.4	80	9	42	14	11		
9	4		0.4	128	12	41	16	11		
290	6		0.3	165	12	38	13	18		
1	8		0.9	56	13	28	12	4		
2	10		0.8	165	21	61	21	16		
3	12		0.8	48	17	30	21	8		
4	14		0.5	72	8	28	11	7		
~~5~~	~~S+22~~		~~0.9~~	~~29~~	~~34~~	~~7~~	~~345~~	~~6~~		
6	16		0.1	4	1	2	ND	1		
7	18		0.7	46	9	28	20	15		
8	20		0.4	103	18	141	47	55		
9	22		0.5	64	8	41	39	10		
300	24		0.1	49	8	29	15	7		
1	26		1.7	195	23	110	16	21		
2	L28W+2S		0.1	40	6	22	8	6		
3	L2E+4N		1.1	137	23	81	26	16		
4	4		0.1	13	2	4	1	2		
~~5~~	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
6	6		1.1	64	8	26	5	5		
7	8		0.9	54	24	18	17	10		
8	10		0.9	107	22	28	9	4		
9	12		0.7	143	9	29	10	7		
310	14		2.6	290	41	54	18	9		
1	16		1.9	340	39	114	19	21		
2	18		2.2	376	35	104	27	16		
3	20		1.3	420	21	77	18	9		
4	22		1.7	87	21	15	13	3		
5	24		0.8	54	20	16	13	3		
6	26		0.6	37	11	15	15	8		
7	L28E+4N		0.9	55	6	32	30	7		
8	L0+4N		0.6	59	6	18	13	4		
9	L2W+4N		0.4	96	11	120	19	39		
320	L4W+4N		ND	91	10	125	15	40		

REPORT Nº. 77-7

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
321	L6W+4N		0.1	91	9	122	12	21		14 July '75
2	8		0.6	44	5	47	8	10		
3	10		0.8	52	6	44	9	10		
4	12		0.8	48	3	35	7	9		
5	14		0.4	49	3	47	10	13		
6	16		0.3	45	6	55	5	8		
7	18		1.3	69	41	100	11	11		
8	20		0.9	18	4	14	5	3		
9	22		0.5	13	2	6	2	2		
330	24		0.1	24	2	10	5	3		
1	26		0.1	30	5	18	7	4		
2	L28W+4N		0.2	36	4	14	5	4		
3	L0+4S		1.6	185	25	42	21	8		
4	L26W+4S		ND	8	2	5	2	2		
5	L28W+4S		ND	18	3	12	4	3		
~~6~~	~~STD S~~		~~ND~~	~~37~~	~~2~~	~~25~~	~~5~~	~~11~~		
7	L0+6S		0.5	60	8	49	14	15		
8	L26W+6S		0.2	24	6	15	9	3		
9	L28W+6S		0.9	84	14	52	41	18		
340	L0W+8S		ND	25	5	18	7	6		
1	L26W+8S		0.7	81	10	26	19	5		
2	L28W+8S		0.2	23	3	12	12	8		
3	L0W+10S		0.4	32	3	63	5	6		
4	L26W+10S		ND	36	6	18	8	5		
5	L28W+10S		0.1	23	4	14	10	9		
~~6~~	~~BLANK~~		~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~		
7	L0W+12S		ND	49	3	76	2	5		
8	L28W+12S		ND	10	2	5	3	3		
9	L0+14S		0.2	38	8	40	3	4		
350	L2W+14S	0.5		28	2	24	8	4		
1	4		1.2	91	7	75	13	17		
2	6		0.9	330	2	55	5	8		
3	8		0.5	56	4	26	8	10		
4	10		0.1	19	2	10	3	4		
5	12		0.1	70	4	36	12	14		
6	14		0.5	91	5	60	11	19		
7	16		1.1	85	6	63	14	17		
8	18		0.4	22	3	13	4	4		
9	20		1.5	49	5	35	13	18		
360	L22N+14S		0.2	35	6	31	8	13		

REPORT Nº. 77-7

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB Nº.	SAMPLE Nº. (NMBR)		Ag	Cu	Mo	Ni	Pb	Co		COMMENTS
361	L24W+14S		0.1	56	4	44	18	17		14 JUL 1975
2	2C		ND	37	4	22	5	7		〃
3	L28W+14S		0.3	24	3	16	11	4		14 JUL 1975
~~4~~	~~L14E+14S~~		~~0.2~~	~~162~~	~~6~~	~~36~~	~~13~~	~~10~~		
5	L24W 28S		0.3	49	2	36	12	12		
6	L8W 56S		0.1	56	4	36	14	20		
7	L0 68S		0.2	21	3	11	44	4		
8	L30W 70S		1.4	73	24	100	36	6		
9	L8+W+5+S		1.2	45	11	22	13	3		
370	L+2W+16S		ND	7	1	8	ND	3		
1	L34W+28S		0.7	95	5	52	22	20		
2	L80W+28S		1.8	82	9	25	18	13		
3	L6E+2S		0.2	250	10	70	11	19		
4	L16E+4S		0.5	81	6	22	6	5		
5	LB+4S		0.4	95	11	64	41	17		
6	BL.0+00		ND	6	29	2000	ND	330		Ni E ??
7	L1W+1N		0.4	51	7	38	24	12		
8	L28W+2N		0.8	76	9	40	13	11		
9	L28W+2S		0.1	40	5	21	8	6		
380	L38W+8S		0.2	22	3	16	9	8		
1	L4W+4N		ND	90	8	120	16	31		
2	L2W+14S		0.1	37	5	24	5	8		
3										
4										
5										
6										
7										
8										
9										
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
0										

REPORT Nº. 777

437000 E.

438000 E.

439000 E.

440000 E.

6954000 N.

6955000 N.

6956000 N.

6957000 N.

6958000 N.

6959000 N.

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY

SOIL SAMPLING RESULTS IN P.P.M.

Pb, Ag

JUNE 1977 | A.T./y.m. | DWG. G.C. - 8521

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY
SOIL SAMPLING RESULTS IN PPM.
Pb , Ag

JUNE 1977 | AT /y.m. | DWG. GC. - 8522

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

1

2

N

6959000 N

6958000 N

6957000 N

6956000 N

6955000 N

436000E

435000E

434000E

437000 E.

438000 E.

439000 E.

440000 E.

6954000 N.

6955000 N.

6956000 N.

6957000 N.

6958000 N.

6959000 N.

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

2

1

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY

SOIL SAMPLING RESULTS IN P.P.M.

Cu, Mo

JUNE 1977 | A.T./y.m. | DWG. G.C. - 8523

N.T.S 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

2
1

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY
SOIL SAMPLING RESULTS IN P.P.M.
Cu, Mo

JUNE 1977	A.T. /y.m.	DWG. G.C. - 8524

437000 E.

438000 E.

439000 E.

440000 E.

6954000 N.

6955000 N.

6956000 N.

6957000 N.

6958000 N.

6959000 N.

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

2
1

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY

SOIL SAMPLING RESULTS IN P.P.M.

Ni , Co

JUNE 1977 | A.T. / y.m. | DWG. GC.- 8525

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

2
1

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY

SOIL SAMPLING RESULTS IN P.P.M.

Ni , Co

JUNE 1977 | A.T. /y.m. | DWG. G.C. - 8526

N.T.S 105 J

SCALE 1: 5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

RIO TINTO CANADIAN EXPLORATION LIMITED

ITSI OPTION

GEOCHEMISTRY

SOIL SAMPLING RESULTS IN P.P.M.

Zn

JUNE 1977 | A.T./v.m. | DWG. GC - 8527

434000E.

435000 E.

436000E

6954000 N.

6955000 N.

6956000 N.

6957000 N.

6958000 N.

6959000 N.

N.T.S. 105 J

SCALE 1:5000

FEET 500 250 0 500 1000 1500 FEET

METRES 100 50 0 100 200 300 400 METRES

CONTOUR INTERVAL 20 METRES

RIO TINTO CANADIAN EXPLORATION LIMITED	
ITSI OPTION	
GEOCHEMISTRY SOIL SAMPLING RESULTS IN P.P.M. Zn	
JUNE 1977	A.T./y.m. DWG. G.C. - 8528