

YULE CLAIMS

'79-#666-#7747

Omineca M.D. N.T.S. 94F/11E

57°34'N 125°12'W

G.D. Hodgson December 1979

Owner and Operator: Riocanex Ltd.

Work performed on following claims:

<u>Claim Name</u>	<u>Record Date</u>	<u>Expiry Date</u>
Yule 1-9	781221	791221
Yule 10	790907	800907

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

7747
NO

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1. INTRODUCTION

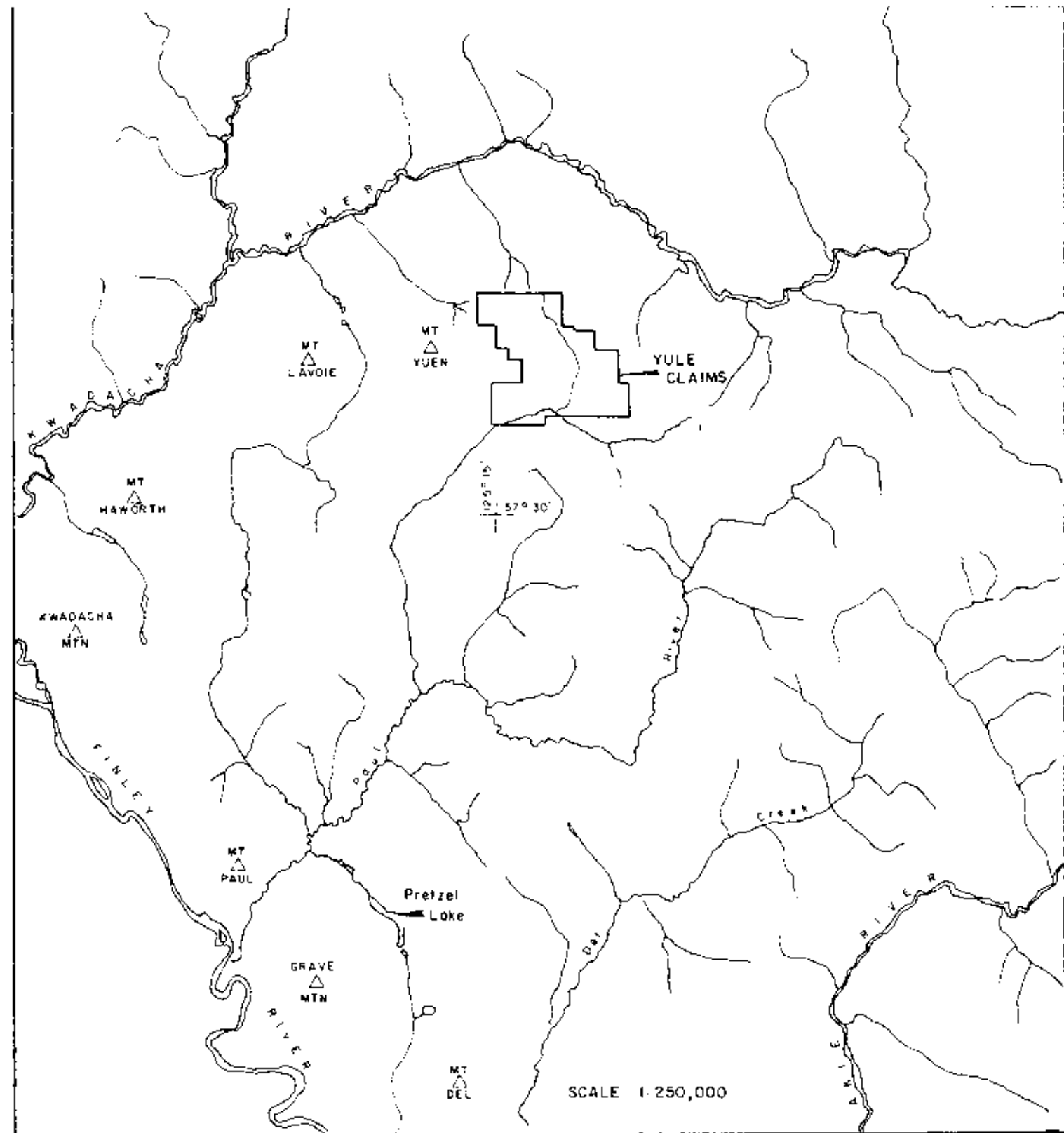
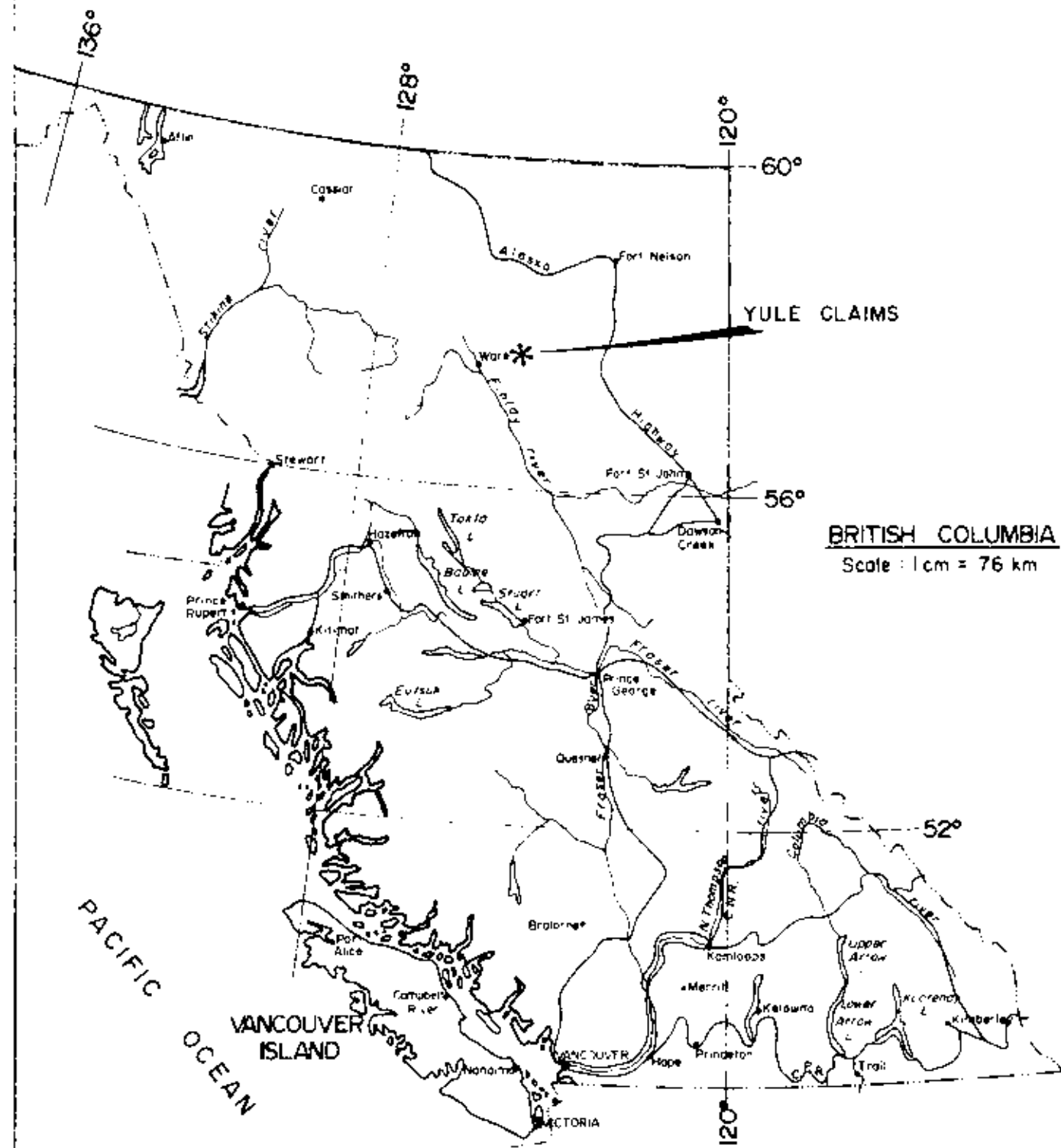
Devono-Mississippian Black Clastic shales in northeastern British Columbia, southern equivalents of similar shales in the Yukon Territory and District of Mackenzie, N.W.T., host important deposits of lead and zinc, eg. the Cirque deposit. The 1979 Riocanex exploration programme comprised mainly geological mapping with minor soil geochemistry.

2. LOCATION AND ACCESS

The Yule claims are situated south of the Kwadacha River, east of Mt. Yuen in the Rocky Mountains of northern British Columbia. The claims are approximately 280 km N.W. of Mackenzie, B.C., and about 30 km N.E. of the Indian settlement of Fort Ware on the Finlay River. After spring breakup barges run from Mackenzie at the south end of Williston Lake to Deserters Canyon at the north end. Fort Ware and Ingenika have gravel airstrips.

Access to the claims is by helicopter. The Riocanex base camp in 1979 was situated on Pretzel Lake near Fort Ware.

Latitude: $57^{\circ}32'N - 57^{\circ}36'N$
Longitude: $125^{\circ}09'W - 125^{\circ}16'W$
N.T.S.: 94F/11E



NTS 94 F/11E

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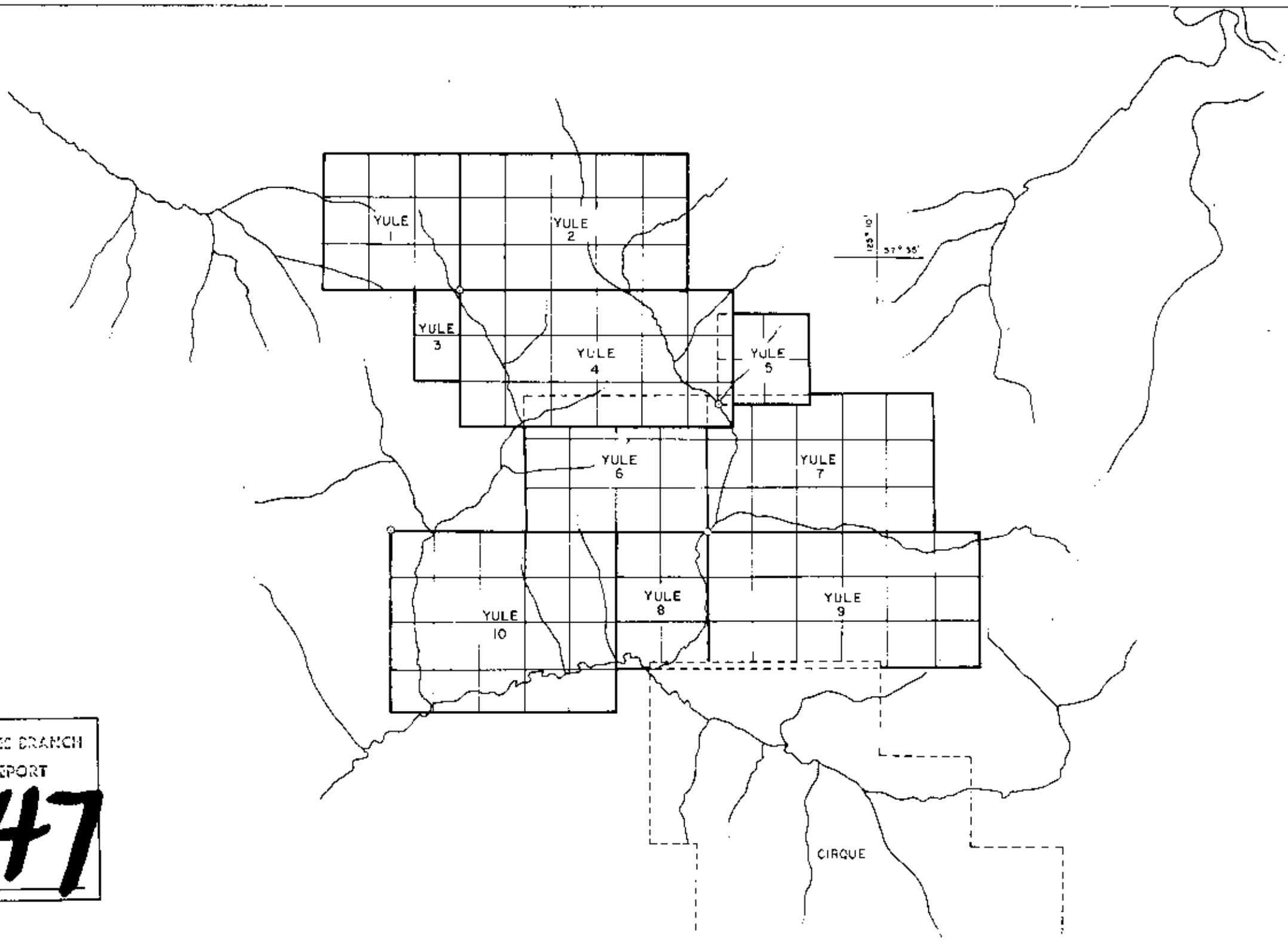
RIO TINTO CANADIAN EXPLORATION LTD.		
YULE CLAIMS		
LOCATION MAP		
NOV. 79	GDH / sg	DWGL-6590

3. TOPOGRAPHY AND VEGETATION

The area is mountainous. Elevations range between 1300 and 2300 m above sea level. Slopes are moderate to steep. Much of the claim block lies above tree line. Lower slopes are covered in dense scrub. Valley bottoms are forested with spruce and alder.

4. HISTORY AND PREVIOUS WORK

Having traced Devonian-Mississippian Black Clastic shales southwards from the Sagaga River area, Cyprus Anvil and Hudson's Bay Oil and Gas staked the Cirque and Elf claims in 1977 to cover Pb-Zn-Ba mineralization. A regional stream silt sampling programme by RioCanex in 1978 delineated a number of anomalous Pb-Zn zones in the Black Clastics. A moderately anomalous zone was staked by RioCanex as the Yule claim group.

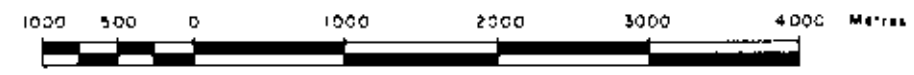


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N.T.S. 94 F 11E, 11W

SCALE 1:50,000



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CLAIM MAP

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C-6591

5. WORK PERFORMED IN 1979

The 1979 exploration programme comprised geological mapping on a scale of 1:50,000 and minor geochemical soil sampling. 20 units were added to the Yule claim group in the S.W. corner.

6. PERSONS EMPLOYED

Geologists J.D. Hodgson and R.L. Faulkner mapped the geology and supervised the soil sampling team of four. Viking Helicopters Ltd., under contract to RioCanex, supplied helicopter support.

The programme was conducted under the general supervision of R.V. Longe, RioCanex District Geologist.

7. GEOLOGY

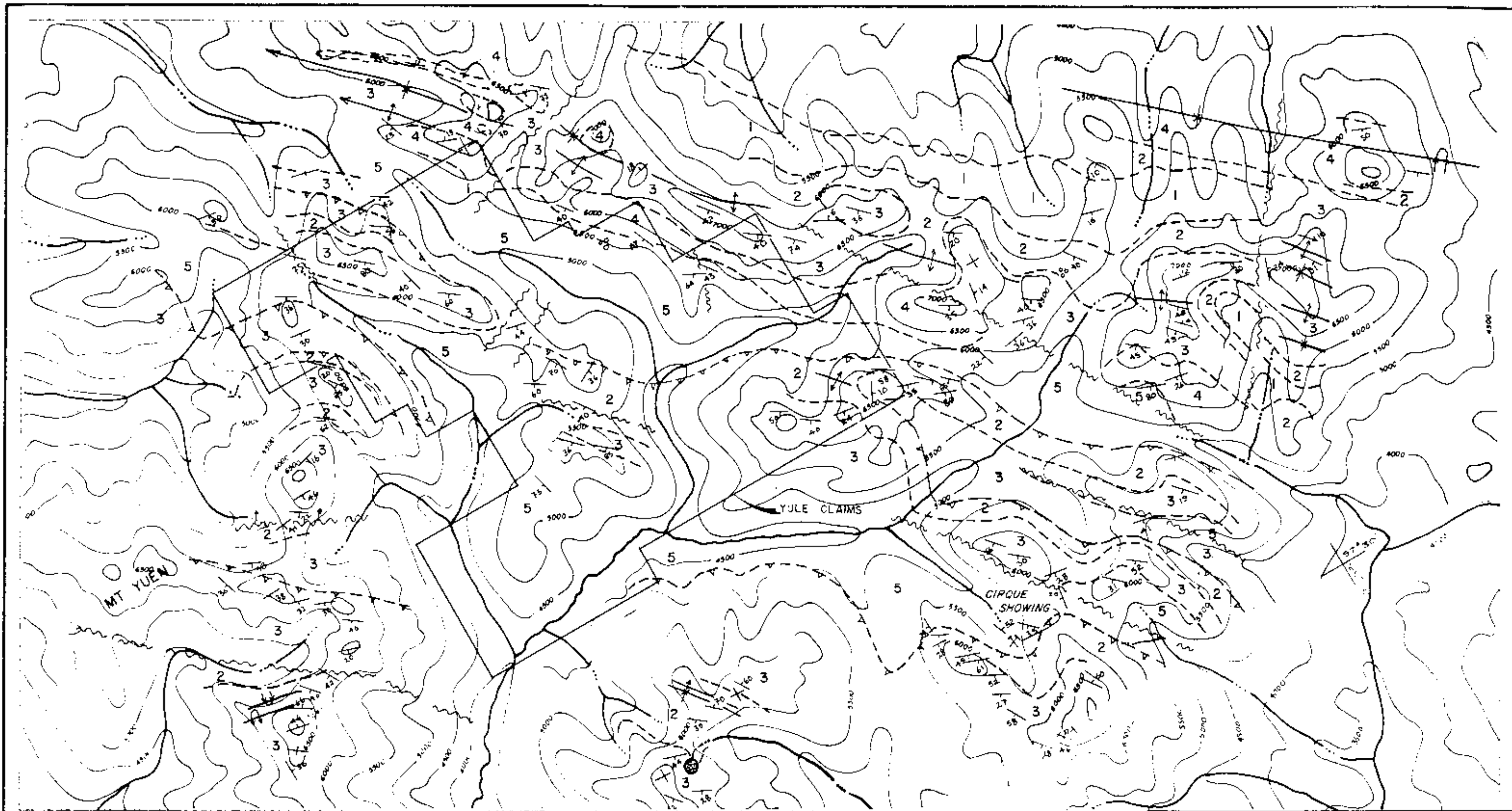
Devono-Mississippian Black Clastic shales on the Yule claims are a continuation of similar shales to the north that contain the Driftpile Creek Ba-Pb-Zn deposit, and are on strike with shales that host the Cirque Ba-Pb-Zn-Ag deposit immediately to the S.E. The shales are part of a Paleozoic sedimentary pile that includes shales, siltstones and carbonates. The rocks have been deformed by folding, faulting and thrusting. Tectonic elements trend NW-SE. Mapping has been by Gabrielse (1962, 1977), Taylor and Scott (1973), Taylor (1979) and MacIntyre (in press).

Map. 2-6020 is a 1:50,000 geological map of the Yule claims area. Table 1 summarizes the lithologies mapped. The oldest unit, Unit 1, is exposed east of the property in the core of a major NW-SE trending anticline. The rocks are possibly equivalent to Cambrian limy clastics which occur 15 km to the north and again 50 km to the south (Gabrielse, 1977; Taylor, 1979).

Unit 2 includes shales and limestones ascribed to the Ordovician Road River Formation which overlies Unit 1. Relationships elsewhere suggest the contact is unconformable. The black graphitic shales of Unit 2 are recessive and not everywhere well exposed. Graptolites are locally common. None have been identified.

TABLE IDescription of Units MappedUNIT

- 5 Devono-Mississippian "Black Clastics": grey siliceous shales and fine grained siltstones; rhythmites; locally baritic; commonly pyritic and cherty.
- 4 Lower Devonian Dunedin limestone: thickly bedded to massive grey limestone; locally very fossiliferous; *Amphipora* common; brecciated in part.
- 3 Silurian (Nonda-equivalent) talemitic siltstone: brown weathering siltstones; local grey thinly banded limestones; locally graptolitic; algal mats, worm tracks and bioturbation common.
2. Ordovician Road River shales; black, graphitic, limy shales; graptolites common; upper part includes banded limestones.
1. Cambrian conglomerate: bright orange weathering; polymodal, polymict - includes rounded chert pebbles.



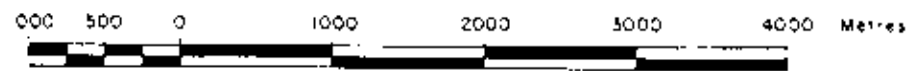
LEGEND

- 5 Devono-Mississippian Black Clastics
- 4 Lower Devonian Duredin Limestone
- 3 Silurian Dalmanitic Siltstone
- 2 Ordovician Road River Shales
- 1 Cambrian Conglomerate

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N.T.S. 94 F/11E

SCALE 1:50,000



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YULE CLAIMS

GEOLOGY MAP

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343

G-6592

Unit 3 is of Silurian age. The predominant lithology is a brown weathering dolomitic siltstone, which being fairly resistant is well exposed along ridges. In the east of the map area the lower part of the unit comprises grey and black banded limestones that display common soft sediment deformation structures. These limestones are absent from the rest of the map area. An unconformity may separate the lower limestones from the upper siltstones.

Also restricted to the eastern part of the map area is a grey weathering, thickly-bedded to massive, fossiliferous limestone, Unit 4, equivalent to the lower Devonian Dunedin Formation. Amphipora, corals and stromatoporoids are the most common fossils, but note that the limestone is locally barren of fossil debris. The limestone may represent reefal growth or debris-flow material from an eastern carbonate platform.

The black siliceous shales, siltstones and "rhytmikes" (distal turbidites) of Unit 5 appear to onlap onto the Dunedin Limestone from the west. These "Black Clastics" may in part be of the same age as the Dunedin Limestone, but much of the unit does in fact overlie the limestone and could be Mississippian in age. The Black Clastics include bands of massive and nodular barite and black chert. Pyrite is not uncommon. The mineralization of the Cirque deposit occurs associated with barite in this unit.

Thrust faulting from the S.W. has brought Units 2 and 3 over Unit 5. Normal or high angle reverse faults that run subparallel to the general trend have repeated the sequence to expose narrow belts of Unit 5.

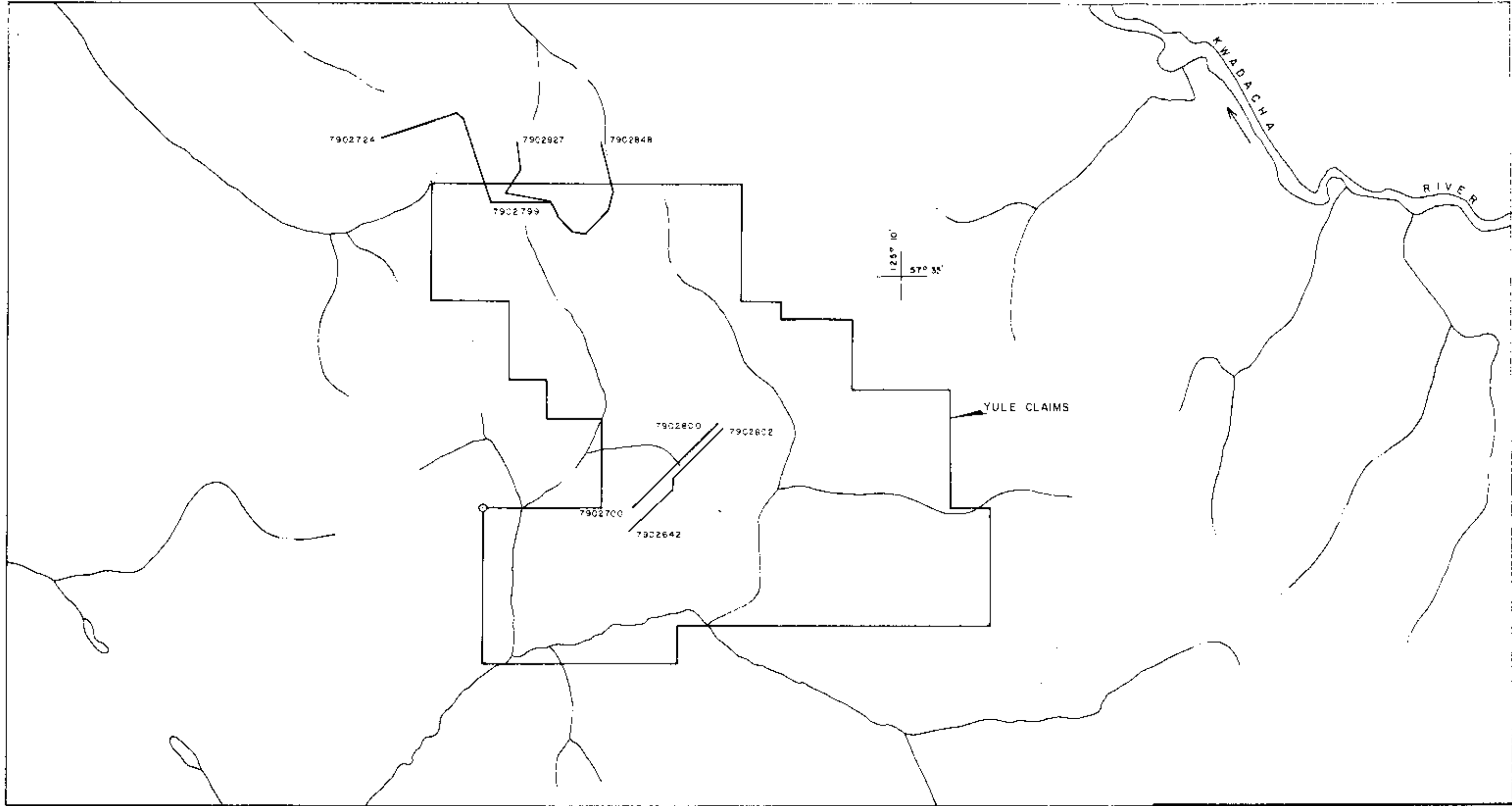
8. GEOCHEMISTRY

Several lines of soil samples was taken across the Yule claims. Dwg. GC-6593 shows the location of the soil lines. Samples of the 'B' horizon were taken at a depth of 15-20 cm at 40 m intervals. A grub hoe was used to penetrate the surface. Samples were collected in paper bags.

The analysis for Cu, Pb and Zn was done in the RioCanex lab in North Vancouver. 0.5 gm of each sample was placed in a test tube to which was added 2 ml. concentrated nitric acid. The solution was heated in a hot water bath at 95°C for ½ hour and then allowed to cool. 1 ml. concentrated hydrochloric acid was then added, and the solution heated in a hot water bath at 95°C for 1½ hours. After being cooled each sample solution was diluted with deionized water to a final volume of 12 ml. The sample solutions were then analyzed by atomic absorption.

Sample sites and results are plotted on Dwgs. GC-6594 and GC-7536. The lead and zinc values reflect the metalliferous nature of the underlying shales and it is hoped the higher values indicate the presence of mineralization. Little significance is attached to the rather low copper values.

The higher Pb values, particularly those in excess of 100 ppm Pb, are encouraging. In the south (Dwg. GC-6594) sample 7902602 returned 1200 ppm Pb and two others had greater than 200 ppm Pb. In the north (Dwg. GC-7536) only sample 7902774 returned more than 100 ppm Pb.



125° 10'
57° 35'

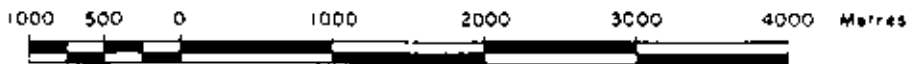
YULE CLAIMS



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N.T.S. 94 F/11E

SCALE 1:50,000



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YULE CLAIMS

LOCATION
OF
SOIL SAMPLE LINES

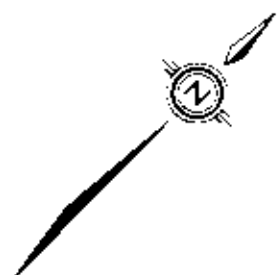
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DWG
GC - 6593

20, 17, 20	2809	2602	6, 20, 24
9, 20, 45	2801	2603	8, 41, 43
18, 38, 86	2802	2604	13, 33, 100
5, 30, 57	2803	2605	5, 9, 22
48, 52, 162	2804	2606	15, 16, 28
82, 38, 265	2805	2607	7, 12, 22
20, 8, 32	2806	2608	28, 56, 52
41, 39, 215	2807	2609	17, 53, 158
20, 16, 72	2808	2610	49, 86, 140
23, 19, 84	2809	2611	24, 62, 158
25, 26, 60	2810	2612	14, 43, 62
41, 16, 64	2811	2613	11, 33, 64
32, 59, 500	2812	2614	23, 79, 95
39, 49, 305	2813	2615	11, 31, 106
19, 360, 480	2814	2616	5, 17, 24
34, 272, 4300	2815	2617	3, 7, 10
7, 30, 50	2723	2618	6, 11, 30
4, 25, 32	2772	2619	4, 3, 24
4, 5, 18	2791	2620	19, 28, 120
8, 6, 78	2720	2621	31, 19, 108
7, 5, 6	2719	2622	18, 31, 100
5, 15, 12	2718	2623	13, 11, 142
6, 11, 34	2717	2624	11, 10, 152
8, 20, 20	2716	2625	12, 11, 172
5, 6, 28	2715	2626	18, 14, 170
5, 8, 22	2714	2627	24, 14, 255
5, 11, 16	2713	2628	28, 20, 1070
7, 14, 44	2712	2629	4, 5, 62
10, 39, 42	2711	2630	3, 4, 20
8, 10, 50	2710	2631	23, 41, 205
4, 9, 28	2709	2632	8, 26, 58
6, 11, 32	2708	2633	18, 17, 115
11, 20, 58	2707	2634	25, 24, 155
28, 16, 96	2706	2635	28, 14, 72
16, 14, 56	2705	2636	18, 82, 255
18, 27, 92	2704	2637	24, 20, 85
12, 11, 124	2703	2638	32, 24, 64
17, 12, 178	2702	2639	40, 32, 86
5, 6, 52	2701	2640	30, 27, 227
36, 15, 205	2700	2641	72, 35, 172
		2642	45, 165, 550
		2643	32, 31, 370
		2644	16, 18, 155
		2645	40, 47, 52
		2646	15, 21, 88
		2647	23, 28, 86

MINERAL PROCESSING
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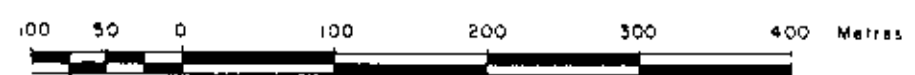
LEGEND

Soil Sample Location . 2605 | 3, 8, 22 ... ppm Cu, Pb, Zn

All Soil Sample Numbers Prefixed by 790

N.T.S. 94 F/1E

SCALE 1:5000



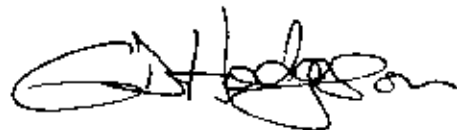
RIO TINTO CANADIAN EXPLORATION LTD.		
YULE CLAIMS		
SOIL SAMPLE LOCATIONS		
ppm Cu, Pb, Zn (SOUTH)		
NOV. 79	GDH / sg	DWG. GC-6594

9. CONCLUSIONS

The Yule claims overlie metalliferous shales that have potential for hosting Ba-Pb-Zn mineralization. The shales that contain the Cirque deposit continue north-westwards onto the Yule property. Initial soil sampling is encouraging and more exploration should be done in 1980.

10. REFERENCES

- GABRIELSE, H., 1962: Geol. Surv. Can. Map 42-1962.
- GABRIELSE, H., 1977: Geol. Surv. Can. O.F. 483
- MACINTYRE, D. (in press): B.C. Dept. of Mines Report
- TAYLOR, G.C., 1979: Geol. Surv. Can. O.F. 606
- TAYLOR, G.C., and STOTT, D.F., 1973: Tuchodi Lakes
Map-Area, British Columbia, Geol. Surv. Can.
Mem 373



G.D. Hodgson

Vancouver Office
December 1979

APPENDIX I
GEOCHEMICAL SAMPLE RESULTS

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NO.	SAMPLE NO. (NMBR)	Cu	Pb	Zn	g	COMMENTS
1	7902602	6	1200	24		
2	603	8	41	43		
3	604	13	33	100		
4	605	3	8	22		
5	606	15	16	28		
6	607	7	12	22		
7	608	28	32	52		
8	609	12	53	156		
9	610	49	7	150		
10	611	24	63	158		
1	612	14	43	62		
2	STD 1	16	35	1000		
3	613	11	33	64		
4	614	23	21	125		
5	615	11	21	106		
6	616	5	12	24		
7	617	3	7	10		
8	618	6	11	30		
9	619	4	5	24		
20	620	17	28	120		
1	621	21	19	108		
2	BLANK	N/A	N/A	N/A		
3	622	18	31	100		
4	623	13	11	142		
5	624	11	10	152		
6	625	12	11	122		
7	626	18	14	170		
8	627	26	14	255		
9	628	28	20	1070		
30	629	4	5	62		
1	630	3	4	20		
2	631	23	41	205		
3	632	8	26	58		
4	633	18	12	115		
5	634	23	24	155		
6	635	28	14	72		
7	636	18	52	265		
8	637	24	20	65		
9	638	32	24	64		
40	639	40	32	86		

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NO.	SAMPLE NO. (NMBR)	Cu	Pb	Zn					COMMENTS
41	7902640	30	27	222					
2	641	22	35	172					
3	642	45	165	55					
4	643	32	31	370					
5	644	16	18	155					
6	645	40	42	52					
7	646	15	21	88					
8	647	23	28	86					
9	7902700	37	15	205					
50	701	5	6	52					
1	702	17	12	178					
2	703	12	11	124					
3	SEDZ	37	380	320					
4	704	18	22	92					
5	705	16	14	56					
6	706	28	16	96					
7	707	11	20	58					
8	708	6	11	32					
9	709	4	9	28					
60	710	8	10	50					
1	711	10	39	42					
2	712	7	16	44					
3	BLANK	N/D	N/D	N/D					
4	713	5	11	16					
5	714	5	8	22					
6	715	5	6	28					
7	716	8	20	20					
8	717	6	11	34					
9	718	5	15	12					
70	719	7	5	6					
1	720	8	6	78					
2	721	4	5	18					
3	722	4	25	32					
4	723	7	30	50					
5	7902800	20	12	25					
6	801	9	20	45					
7	802	18	38	86					
8	803	5	35	32					
9	804	48	52	162					
80	805	82	38	265					

RIO TINTO CANADIAN EXPLORATION LIMITED
LABORATORY REPORT

PARTS PER MILLION

LAB NO.	SAMPLE NO. (NMBR)	Cu	Pb	Zn				COMMENTS
8 1	7902806	20	8	32				
2	807	41	39	215				
3	808	20	16	72				
4	STD 3	4	5	61				
5	809	23	19	84				
6	810	25	26	60				
7	811	41	16	64				
8	812	32	59	500				
9	813	39	49	365				
9 0	7902610	51	86	185				
1	626	18	14	165				
2	637	24	19	62				
3	700	37	16	205				
4	BLANK	ND	ND	ND				
5	719	7	6	7				
6	812	31	58	490				
7								
8								
9								
10 0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
11 0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
12 0								

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB N ^o	SAMPLE N ^o (NMBR)	Co	Pb	Zn	Zn	COMMENTS
41	7902689	12	30	370	140	
2	690	13	84	45	235	
3	691	20	215	80	750	
4	692	16	155	90	700	
5	693	27	205	850	320	
6	694	19	32	63	240	
7	695	30	162	245	1430	
8	696	26	106	172	395	
9	697	13	72	780	350	
50	698	15	315	55	290	
1	699	76	130		225	
2	7902814	19	365		480	←
3	STD 2	36	370		310	
4	815	34	272		4300	←
5	816	15	540		590	
6	817	18	225		650	
7	818	19	175		335	
8	819	3	36		95	
9	820	18	325		1000	
60	821	21	134		470	
1	822	18	740		570	
2	823	24	780		450	
3	BLANK	ND	ND		ND	
4	824	18	365		610	
5	825	16	265		780	
6	826	21	198		1700	
7	827	15	135		560	
8	828	28	670		3000	
9	829	23	212		1400	
70	830	24	302		1350	
1	831	26	430		2900	
2	7901999	13	7		98	
3	7902000	13	2		105	
4	001	28	18		135	
5	002	7	4		48	
6	003	24	10		270	
7	004	22	14		248	
8	005	17	4		64	
9	006	19	14		178	
80	007	33	22		135	

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NO.	SAMPLE NO (NMBR)	Cu	Pb	Zn				COMMENTS
1	7902724	17	19	245				
2	725	63	24	480				
3	726	38	28	210				
4	727	18	20	23				
5	728	24	27	105				
6	729	17	35	62				
7	730	32	34	288				
8	731	22	32	124				
9	732	18	18	35				
10	733	15	16	74				
1	734	14	13	35				
2	STD	15	25	750				
3	735	13	14	34				
4	736	13	12	72				
5	737	14	12	30				
6	738	15	15	54				
7	739	23	11	142				
8	740	23	14	175				
9	741	13	8	102				
20	742	12	14	133				
1	743	18	17	87				
2	BLANK	00	00	ND				
3	744	17	13	104				
4	745	24	30	100				
5	746	22	20	185				
6	747	30	32	550				
7	748	11	23	350				
8	749	44	48	650				
9	750	75	86	1010				
30	751	28	15	500 500				
1	752	23	8	380				
2	753	33	27	215				
3	754	28	58	400				
4	755	31	20	340				
5	756	23	21	225				
6	757	41	11	22				
7	758	26	14	78				
8	759	20	12	150				
9	760	18	14	150				
40	7902761	20	8	155				

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NR.	SAMPLE NO. (NMBR)	Cu	Pb	Zn				COMMENTS
41	7902762	24	13	128				
2	763	30	20	168				
3	764	28	10	155				
4	765	17	13	88				
5	766	26	20	200				
6	767	23	13	135				
7	768	20	14	105				
8	769	16	8	105				
9	770	18	8	85				
50	771	33	9	225				
1	772	13	8	75				
2	773	30	28	88				
3	STD 2	33	370	250				
4	774	105	103	1500				
5	775	7	23	49				
6	776	22	24	74				
7	777	7	28	50				
8	778	87	63	325				
9	779	71	31	410				
60	780	78	32	125				
1	781	51	35	230				
2	782	31	41	75				
3	BLANK	ND	ND	ND				
4	783	13	68	56				
5	784	15	74	58				
6	785	25	43	172				
7	786	34	27	300				
8	787	25	20	125				
9	788	29	20	102				
70	789	35	22	120				
1	790	30	20	128				
2	791	65	22	580				
3	792	28	14	135				
4	793	50	17	207				
5	794	35	17	172				
6	795	46	28	370				
7	796	42	20	175				
8	797	53	18	215				
9	798	67	28	660				
80	7902799	100	27	1100				

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NO.	SAMPLE NO (NMBR)	Ag Cu	Pb	Zn	COMMENTS
81	7902848	27	10	222	
2	849	38	7	115	
3	850	22	12	64	
4	851	73	12	650	
5	852	8	6	32	
6	853	24	26	94	
7	854	10	6	72	
3	855	24	50	164	
9	856	17	15	88	
10	857	55	12	235	
1	858	27	6	92	
2	859	52	21	320	
3	860	11	8	52	
4	STD 3	35	6	58	
5	861	26	17	107	
5	862	23	15	185	
7	863	32	12	115	
8	864	15	10	42	
3	865	37	17	125	
100	866	47	22	62	
1	867	32	25	84	
2	868	42	18	44	
3	869	52	43	116	
4	BLANK	N/D	N/D	N/D	
5	870	35	30	114	
5	871	77	16	164	
7	872	37	16	278	
8	875	26	12	60	
9	876	24	18	215	
110	877	73	35	345	
1	878	40	30	375	
2	879	60	23	450	
3	880	52	23	330	
4	881	57	24	310	
5	885	32	13	86	
5	886	43	18	98	
7	887	22	34	305	
8	888	25	28	100	
9	889	36	16	205	
120	7902890	46	16	370	

RIO TINTO CANADIAN EXPLORATION LIMITED

LABORATORY REPORT

PARTS PER MILLION

LAB NR	SAMPLE NO (NMBR)		Cu	Pb	Zn					COMMENTS
(2)	7902 891		44	14	590 390					
2	892		20	14	164 104					
3	893		60	14	7 610					
4	894		22	16	36 76					
5	895		24	14	129 128					
6	896		28	15	8 154					
7	897		74	20	182 660					
8	898		50	29	32 182					
9	899		53	25	420 57					
(30)	900		60	34	315 470					
1	901		48	44	185 315					
2	902		23	15	14 145					
3	903		31	14	32 134					
*	904		45	25	51 180					0.24g
5	SFB		15	29	2 930					
6	905		22	11	114					
7	906		23	9	220					
8	907		40	12	465					
9	908		55	15	375					
140	909		19	13	150					
1	911		28	16	250					
2	912		11	4	36					
3	913		33	17	136					
4	914		24	19	76					
5	BLANK		ND	ND	ND					
6	915		24	19	90					
7	916		72	18	60					
8	917		26	18	56					
9	918		45	13	172					
150	919		24	28	105					
1	920		32	22	135					
2	921		32	22	98					
3	922		39	24	114					
4	923		34	25	158					
5	924		32	30	135					
6	925		27	14	132					
7	926		32	19	158					
8	7902 927		29	12	162					
9	7902 738		12	15	48					
160	7902 739		23	13	145					

APPENDIX II
COST STATEMENT

COST STATEMENT
 B.C. SIKANNI CLAIMS
28 May - 23 September 1979

GENERAL COSTS

(Includes Camp Construction, Mob, Demob, Fuel Moves,
 Cooks, Free Days, Illnesses, Etc.)

SALARIES & WAGES

8 persons, 28 May-23 Sep, 422 Man Days @ \$37 \$ 15,614.00

BENEFITS @ 20% of Salaries & Wages 3,122.80

RIOCANEX EQUIPMENT 422 Man Days @ \$3 1,266.00

RENTAL EQUIPMENT

Traeger SSB50C radio, 28 May-15 Oct @ \$185.43/mo.	\$ 945.69	
Bowmac 22 Ft 3T Box Van, 28 May-31 May @ \$290	455.35	1,401.04

HELICOPTERS

Alpine (on Viking contract below) 9.1 hrs @ \$285	\$ 2,593.50	
Northern Mountain, 206B, 7-19 Sep, 36.6 hrs @ \$281	9,454.00	
Viking Helicopters, Hughes 500, 1 Jun-21 Aug, 267 hrs @ \$285	75,541.00	87,588.50

FIXED WING

N.T.Air, DHC 3, 28 Jun-29 Aug, Supply Trips	\$21,908.00	
Universal Travel, 29 May-6 Sep, 22 trips	1,488.80	23,396.80

FOOD & ACCOMMODATION

764 Man Days @ \$15.58 11,902.68

SUPPLIES 28 May-23 Sep, 764 Man Days @ \$13.29 10,151.00

EXPEDITING SERVICES

D. Macks, Mackenzie, 16 May-24 Sep,
4 mo. @ \$491.08 1,964.32

FUEL

C.E. Bodin, Mackenzie, 30 May-4 Jun (Helicopters) \$ 12,468.92

REPORT PREPARATION 4,000.00

GENERAL COSTS TOTAL \$172,876.06

GEOLOGYSALARIES & WAGES

124 Man Days @\$37 \$ 4,588.00

BENEFITS @20% of Salaries & Wages 917.60

RIOCANEX EQUIPMENT 124 Man Days @\$3 372.00

GENERAL COSTS

124/342 X \$172,876.06 62,680.21

GEOLOGY TOTAL \$ 68,557.81

LINE CUTTINGSALARIES & WAGES

29 Man Days @\$37 \$ 1,073.00

BENEFITS @20% of Salaries & Wages 214.60

RIOCANEX EQUIPMENT 29 Man Days @\$3 87.00

GENERAL COSTS

29/342 X \$172,876.06 14,659.08

LINE CUTTING TOTAL \$16,033.68

GEOCHEMISTRYSALARIES & WAGES

104 Man Days @\$37 \$ 3,848.00

BENEFITS @20% of Salaries & Wages 769.60

RIOCANEX EQUIPMENT 104 Man Days @\$3 312.00

GEOCHEMICAL ANALYSIS

<u>Bondar-Clegg Lab</u>			
2 Cu/Pb/Zn/Ag @\$3.75	\$	7.50	
2 Preps @\$1.75		3.50	
<u>Shipping Charges</u>			
Assays 5 Ag/Pb/Zn @\$17		85.00	
1 Ag/Cu/Pb/Zn @\$22		22.00	
3 Cu/Pb/Zn @\$16		48.00	\$ 171.20
<u>Riocanex Lab</u>			
2148 Soils for Cu/Pb/Zn @\$3.60	\$7,732.80		
Geochem supplies	249.58		7,982.38

GENERAL COSTS

104/342 X \$172,876.06 52,570.50

GEOCHEMISTRY TOTAL

\$ 65,653.68

TRENCHING (PHYSICAL)

SALARIES & WAGES

16 Man Days @\$37 \$ 592.00

BENEFITS @20% of Salaries & Wages 118.40

RIOCANEX EQUIPMENT 16 Man Days @\$3 48.00

GENERAL COSTS

16/342 X \$172,876.06 8,087.77

TRENCHING TOTAL

\$ 8,846.17

STAKING

SALARIES & WAGES

32 Man Days @\$37 \$ 1,184.00

BENEFITS @20% of Salaries & Wages 236.80

RIOCANEX EQUIPMENT 32 Man Days @\$3 96.00

GENERAL COSTS

32/342 X \$172,876.06

\$16,175.54

STAKING TOTAL

\$ 17,692.34

DRILL SITE PREPARATION

SALARIES & WAGES

9 Man Days @\$37

\$ 333.00

BENEFITS @20% of Salaries & Wages

66.60

RIOCANEX EQUIPMENT 9 Man Days @\$3

27.00

GENERAL COSTS

9/342 X \$172,876.06

4,549.37

DRILL SITE PREPARATION TOTAL

\$ 4,975.97

SIKANNI TOTAL

\$181,759.65

B.C. ROUGH OPTION

SALARIES & WAGES

28 Man Days @\$37

\$ 1,036.00

BENEFITS @20% of Salaries & Wages

207.20

RIOCANEX EQUIPMENT 28 Man Days @\$3

84.00

GENERAL COSTS

28/342 X \$172,876.06

14,153.60

B.C. ROUGH OPTION TOTAL

\$ 15,480.80

GRAND TOTAL

\$197,240.45

COSTS APPORTIONED TO CLAIMS

<u>CLAIM</u>	<u>GEOCHEM</u>	<u>TRENCHING</u>	<u>GEOLOGY</u>	<u>LINE CUTTING</u>	<u>DRILL PREP.</u>	<u>TOTALS</u>
PIE 1	\$ 8,892.32	\$8,846.17	\$ 2,227.51	\$ 1,781.52	\$3,731.98	\$ 25,479.50
2	8,892.32		2,227.51	1,781.52		12,901.35
3	2,964.11		742.50	593.84	1,243.99	5,544.44
4	3,952.14		990.00	791.79		5,733.93
5	9,880.35		2,475.01	1,979.47		14,334.83
6	5,928.21		1,485.01	1,187.68		8,600.90
7			1,485.01			1,485.01
8	3,952.14		990.00	791.79		5,733.93
9			1,856.26			1,856.26
10	2,964.11		742.50	593.84		4,300.45
11	2,964.11		742.50	593.84		4,300.45
12	2,964.11		742.50	593.84		4,300.45
13	2,964.11		742.50	593.84		4,300.45
14			2,475.01			2,475.01
15			2,475.01			2,475.01
16			2,475.01			2,475.01
17			495.00			495.00
18			2,475.01			2,475.01
DOG 1	563.95		990.01	791.79		2,345.75
2	563.95		990.01	791.79		2,345.75
4	422.97		742.51	593.84		1,759.32
5			742.51			742.51
6			742.51	593.84		1,336.35
7			247.51			247.51
8			2,475.02	1,979.47		4,454.49
WIL 1			990.00			990.00
2			990.00			990.00
3			2,475.01			2,475.01
4			2,475.01			2,475.01
5			1,485.01			1,485.01
6			1,485.01			1,485.01
7			2,475.01			2,475.01
8			1,856.26			1,856.26
9			1,856.26			1,856.26
10			742.50			742.50
YULE 1	1,668.17		1,113.75			2,781.92
2	2,780.28		1,856.26			4,636.54
3			247.50			247.50
4			2,227.51			2,227.51
5			495.00			495.00
6	2,224.22		1,485.01			3,709.23
7			1,856.26			1,856.26
8	1,112.11		742.50			1,854.61
9			2,227.51			2,227.51
10			2,475.01			2,475.01
TOTALS	\$65,653.68	\$8,846.17	\$68,557.81	\$16,033.68	\$4,975.97	\$164,067.31
N/A applicable (staking, & B.C. Rough)						33,173.14
GRAND TOTAL (Applicable & Non-applicable)						\$197,240.45

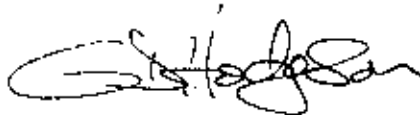
APPENDIX III
STATEMENT OF QUALIFICATIONS

CERTIFICATE

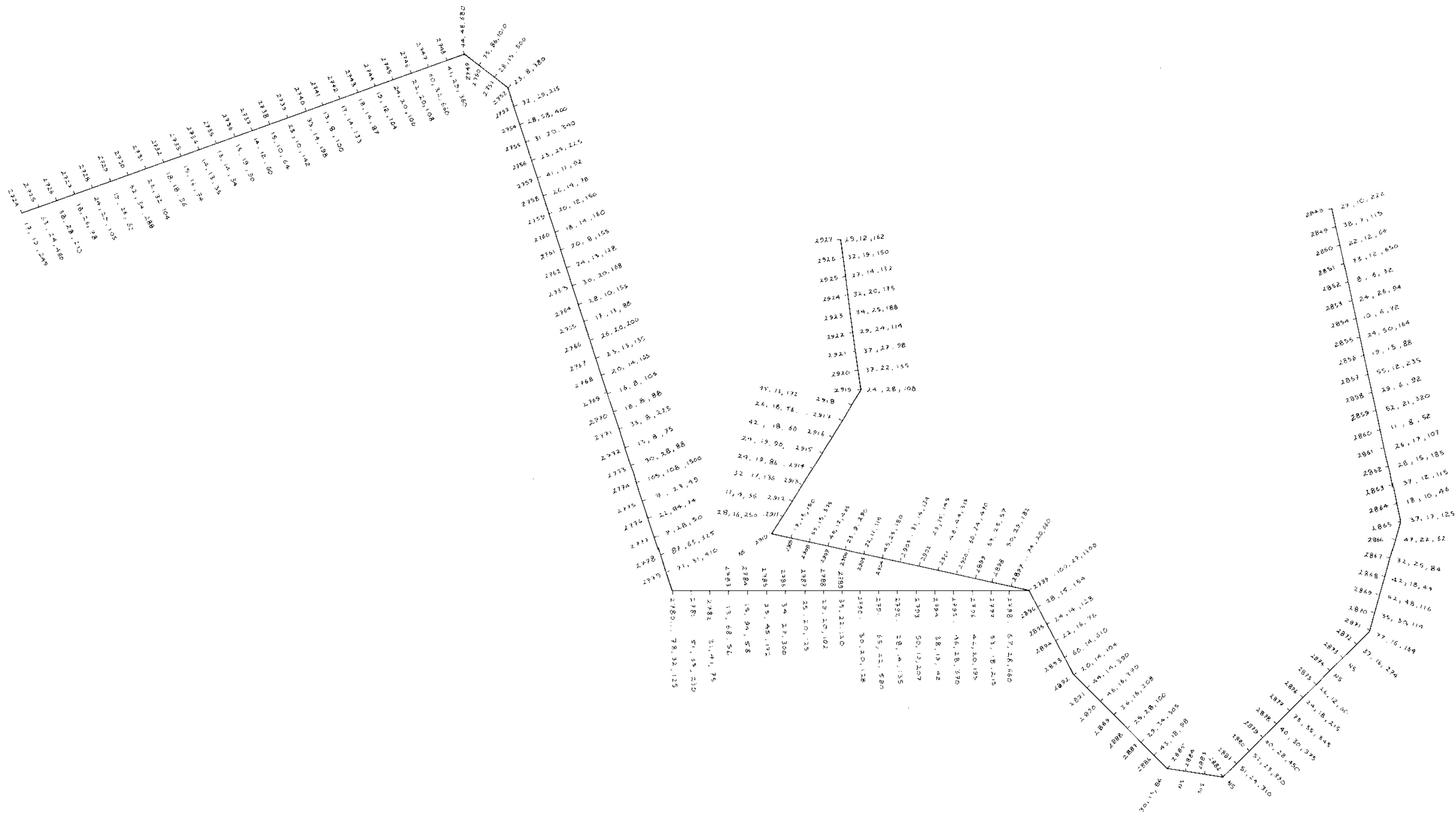
I, Geoffrey David Hodgson, with business address in Vancouver, British Columbia, and residential address in North Vancouver, British Columbia, do hereby declare

1. I am a geologist employed by Rio Tinto Canadian Exploration Limited.
2. I graduated from Exeter University, U.K., in 1972 with a Bsc (Hons.) degree in geology.
3. I graduated from the University of Alberta in 1976 with an MSc degree in geology.
4. I am a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
5. From 1970 to 1978 I was employed on a temporary basis by the Geological Survey of Greenland, Research Council of Alberta, University of Alberta, Cominco Ltd, and Riocanex Ltd.

Respectfully submitted,



G.D. Hodgson

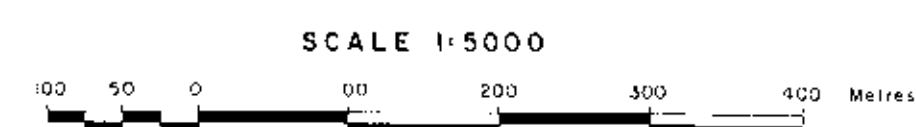


MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7747
NO.



LEGEND
Soil Sample Location .. 2785 | 25, 45, 172 ppm Cu, Pb, Zn
All Soil Sample Numbers Prefixed by 790

N.T.S. 94 F/11E



RIO TINTO CANADIAN EXPLORATION LIMITED		
YULE CLAIMS		
SOIL SAMPLE LOCATIONS		
ppm Cu, Pb, Zn (NORTH)		
NOV 79	GDH / sg	DWG. GC-7536