REPORT ON PROPERTY EXAMINATION

BOUNDARY EXPLORATION LIMITED, GRAND FORKS, B.C.

URANIUM PROPERTY

N.T.S. 82E/1W

B. Manchuk

Vancouver, B.C.

January 31, 1977

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REPORT ON PROPERTY EXAMINATION

URANIUM - BOUNDARY EXPLORATION LIMITED

GRAND FORKS, B.C.

LOCATION AND ACCESS (Fig. 1)

The Boundary Exploration uranium property lies some 7 mi. N.E. of Grand Forks specifically at Lat. 49°08' and Long 118°23'300". The N.T.S. is 82E/1W. Four wheel drive access is readily provided along secondary gravel roads from Grand Forks. Elevation of the property is some 3900' A.S.L.

BRIEF HISTORY OF PROPERTY

The original uranium find was made in 1970 by two prospectors working under the direction of J.S. Kermeen, a consulting geologist at Grand Forks. Five radioactive zones were discovered at this time. The present showings consist of 3 main areas, one of which (the main showing) was examined by the present author this summer. Previous to this, a Falconbridge geologist, T. Gyr had examined the property in Sept. of 1970 and it was turned down at this time. At the time of T. Gyr's investigation, the main trench and pit shown on Fig. 2 (by Craws Minerals) were completed. Since this time, I understand basically no ground work has been done. Recently, Boundary made an airborne survey but the data was in a disarray and incomprehensible.

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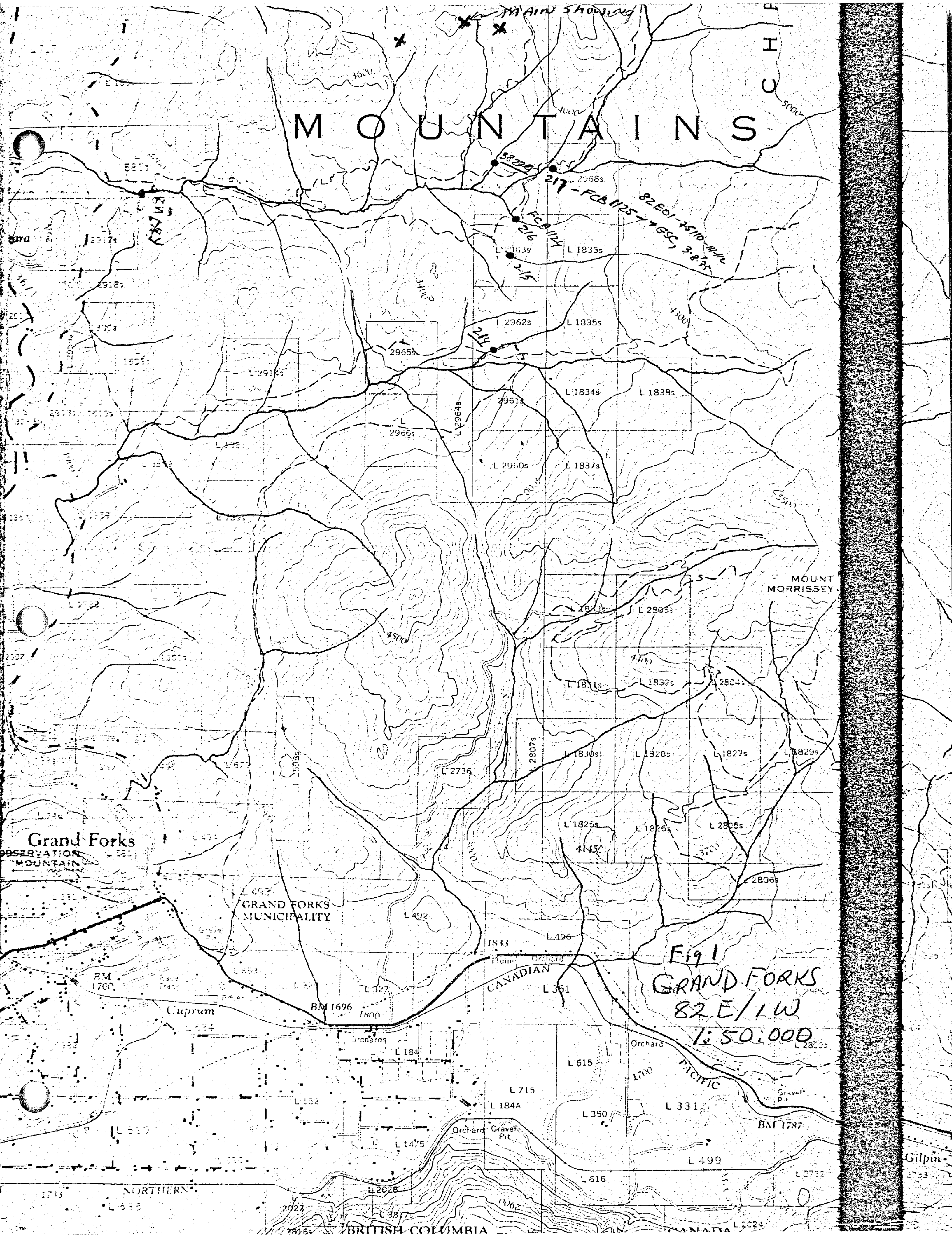


Main Showing
MOUNTAINS
58229
217 - FCB 1125
82E01 - 25110 - mm
GSC, 3.8.75
FCB 1124
216
215
214
L 2968s
L 1836s
L 2962s
L 1835s
2965s
L 1834s
L 1838s
2961s
L 2964s
2966s
L 2960s
L 1837s
MOUNT MORRISSEY
L 2803s
L 1832s
2804s
L 2807s
L 1830s
L 1828s
L 1827s
L 1829s
L 2736
L 1825s
L 1826s
L 2805s
L 2806s
4145
4500
4400
4300
4000
3400
3600
Grand Forks
OBSERVATION MOUNTAIN
GRAND FORKS MUNICIPALITY
L 492
L 496
L 351
L 615
L 715
L 184A
L 350
L 331
L 499
L 616
L 2028
Orchards
Orchard
CANADIAN
PACIFIC
BM 1696
BM 1787
Cuprum
NORTHERN
BRITISH COLUMBIA
CANADA
Gilpin
Fig 1
GRAND FORKS
82 E/1W
1:50,000

GENERAL GEOLOGY

From G.S.C. Map 6-1957 (Kettle River East Half) the showings are within a sequence of paragneisses of the Monashee and Grand Forks groups of Proterozoic age. The Mesozoic Nelson intrusions consisting of granodiorite, granite and quartz monzonite outcrop as small stocks in the area. Pegmatites consisting chiefly of feldspar, quartz and erratic biotite host the uranium occurrences. The pegmatites are undoubtedly related to the Nelson intrusion. The pegmatite associated with the principle showing covers an area of some 600x150' (Fig. 2 in folder after J.S. Kermeen), already mentioned.

PRINCIPAL SHOWING

The principal showing (Fig. 2) is confined to a coarsely crystalline pegmatite which consists chiefly of feldspar, biotite and quartz. As shown on the figure the pegmatite is bounded to the west by a shear zone and to the east by an erratic contact with granite and paragneiss. To the north and south overburden is encountered.

A quick check with our Scintillometer showed readings of approximately 0.02 MR/HR over paragneiss and surrounding country rock. Many of the pegmatite outcrops shown on Fig. 2 were also in the 0.02 MR/HR range. Only in areas of unusually high biotite concentration were the readings above background value. The main trench shown on Fig. 2 gave readings of 10 to 15 x background correlative to patches of biotite within the pegmatite.

.../3

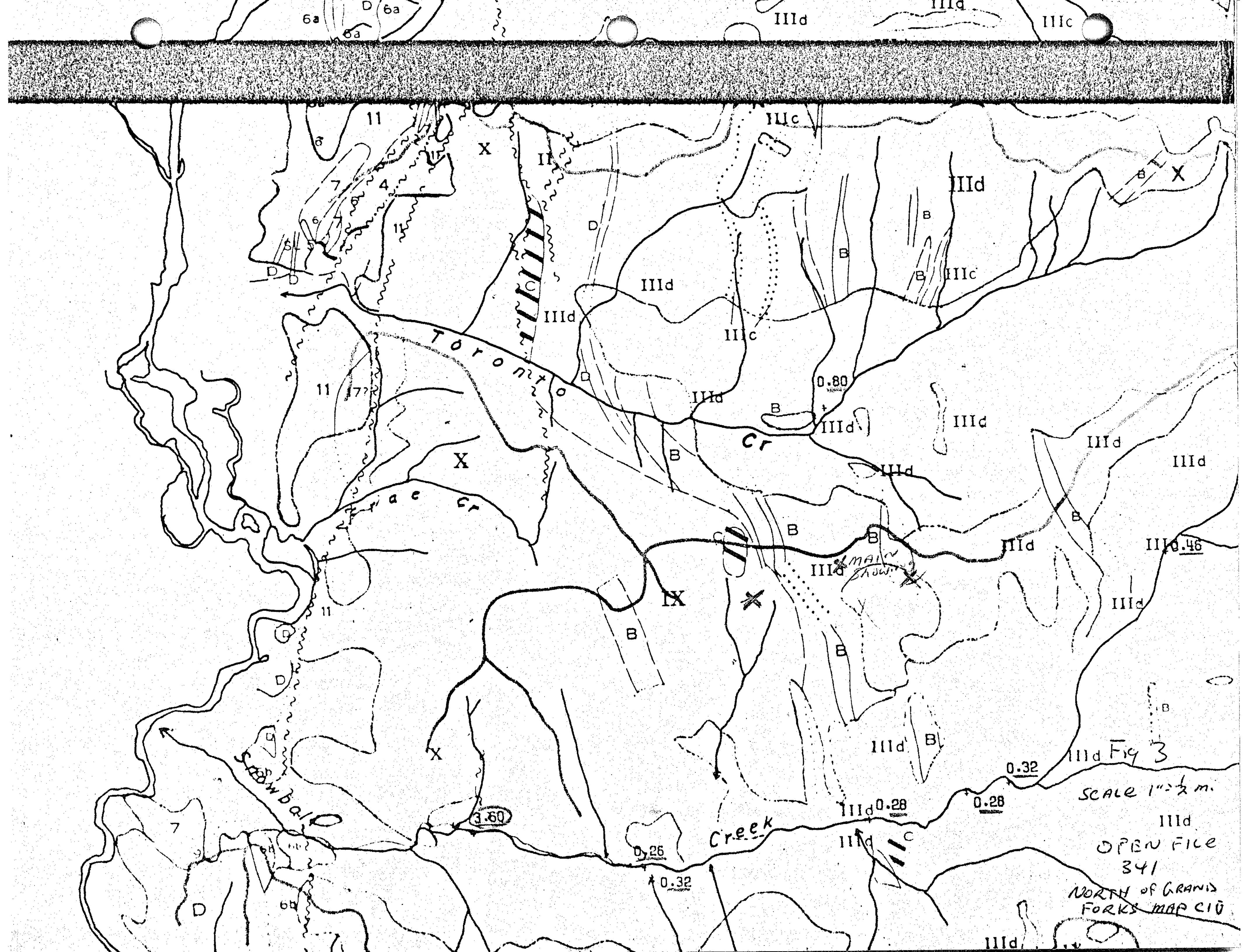
Assays from two samples taken within the trench support this thesis as assay 664WW contained 30-40% biotite and ran 0.14% and assay 665WW contained 5% biotite and ran 0.033% U. A few soil samples (Fig. 2) collected over the showing revealed only two weakly anomalous values. The scintillometer readings shown on the same figure illustrate the erratic distribution of the uranium bearing material.

Although the pegmatite is bound on only two sides by country rock, it is felt that it is not much bigger than shown and although significant assays can be obtained, the mode of occurrence and distribution of uranium precludes this showing as a viable exploration bet.

Fig. 3 from the G.S.C. Open File Report 341 illustrates the results of limited sampling in this area. One sample on Snowball Creek (3.60 ppb U) is anomalous and it lies outside of the Boundary claim group. It probably reflects another small pegmatite occurrence.

Vancouver, B.C. B. Manchuk

February 22, 1977



Toronto Cr
Frae Cr
Snowball
Creek
IX
MAIN SHOWING
0.80
0.46
0.32
0.28
0.28
0.26
0.32
3.60
Fig 3
SCALE 1"=½ m.
OPEN FILE
341
NORTH of GRAND
FORKS MAP C10

APPENDIX

BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Extraction Hot HNO_3 for Cu + Zn plus Ni

Method Fluorimetric

Fraction Used

Report No. 26 - 1237

From Falconbridge Nickel Mines

Date Nov 9 19 76

SAMPLE NO.	U ppm
D 37008	1
37009	7
37010	4
37011	2
37012	9
37021	5
37022	1
37023	9
37029	4
37030	1
37031	2
37032	0.6
37033	4
37034	3
37035	0.6
37036	2
37037	1
37100	3
37101	0.6
37102	0.6
37103	0.4
37104	ND
38001	4

SAMPLE NO.	U ppm
D 38009	3
38010	36
38011	ND
38012	4
38013	1
38014	0.6
38015	2
38016	0.6
38017	0.4
38018	0.6
38019	0.8
38020	3
38021	3
38022	2
38023	3
38024	15
38025	4
38026	4
38027	3
38029	2
38030	3
38031	2
38032	3
38033	2

BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

DEC 3 1976

Extraction Hot Aqua Regia

Method Atomic Absorption

Action Used

Report No. 26 - 1320

From Falconbridge Nickel Mines

Date Dec 1 19 76

	SAMPLE NO.	Cu ppm	Zn ppm				SAMPLE NO.	Cu ppm	Zn ppm		
D	37008	3	30			D	38009	4	29		
	37009	8	45				38010	12	66		
	37010	7	36				38011	37	66		
	37011	13	59				38012	13	69		
	37012	5	34				38013	12	53		
	37021	94	63				38014	25	69		
	37022	19	65				38015	20	50		
	37023	16	24				38016	18	102		
	37029	5	43				38017	10	52		
	37030	3	36				38018	13	172		
	37031	46	70				38019	9	43		
	37032	2	17				38020	5	41		
	37033	19	36				38021	8	44		
	37034	8	49				38022	6	56		
	37035	2	19				38023	5	41		
	37036	6	20				38024	8	36		
	37037	6	19				38025	5	39		
	37100	12	33				38026	8	44		
	37101	10	44				38027	6	45		
	37102	10	22				38029	6	42		
	37103	5	13				38030	7	46		
	37104	48	78				38031	6	41		
	38001	6	42				38032	7	31		

BOUNDARY EXPLORATION LTD. FILE COPY

To: Falconbridge Nickel Mines

PAGE 1

REPORT No 76 - 816

DATE: Oct 18, 1976

BONDAR-CLEGG & COMPANY LTD.

700 - 1112 West Pender Street
Vancouver, B.C.
V6E 2S1

Samples submitted: Oct 13, 1976
Results completed: Oct 18, 1976

CERTIFICATE OF ASSAY

Cerro Nickhole.

I hereby certify that the following are the results of assays made by us upon the herein described ore samples

MARKED	GOLD		SILVER	Cu	Ni	U					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
						-					
						-					
						-					
						-					
						-					
						-					
664	-			-	-	0.14					
665	-			-	-	0.033					

Original - Assay Bk.
1 - J.M-DHB-FILE
1 - Accounting
1 - Geologist
1 - R. Esson

Registered Assayer, Province of British Columbia

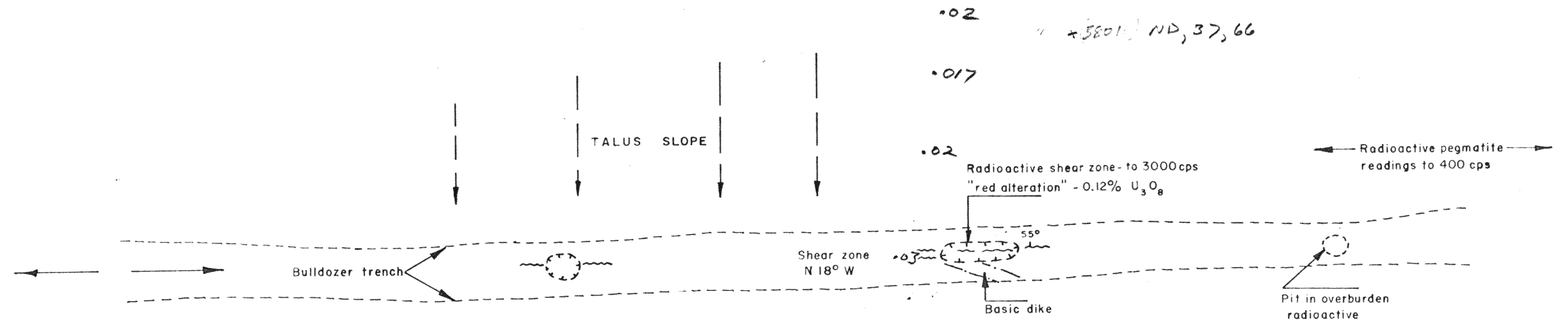
LEGEND

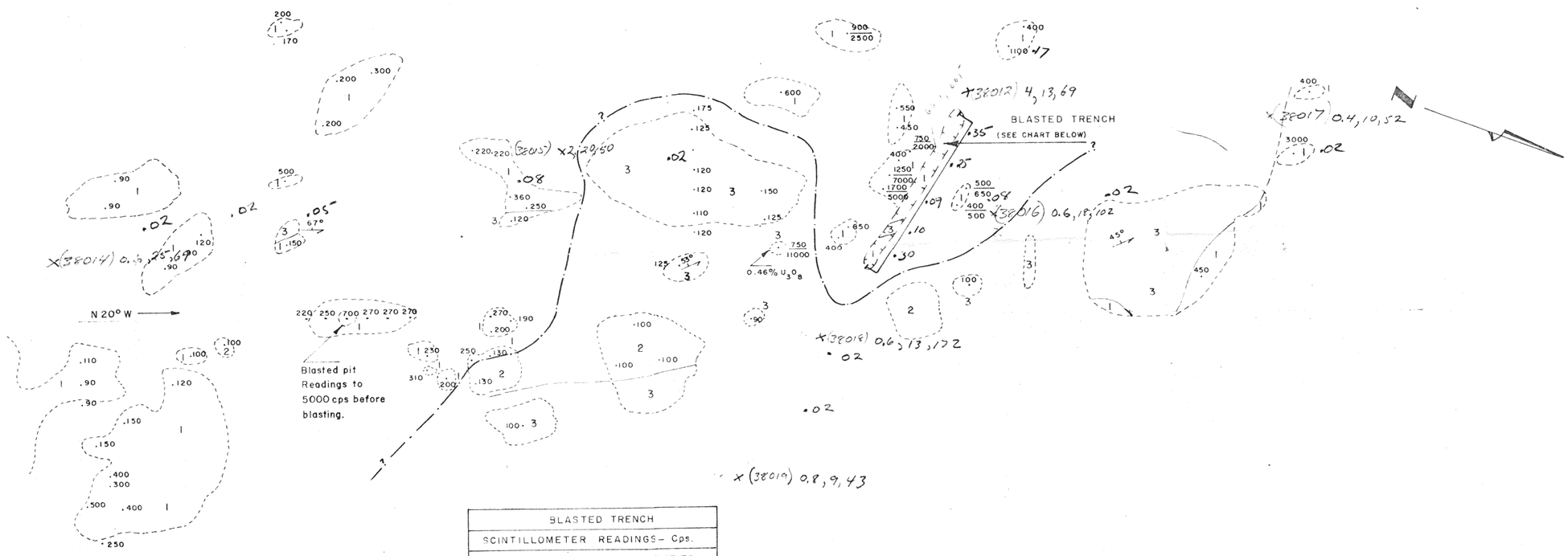
White pegmatite-granite	1
Fine-grained granite	2
Schist and gneiss	3

Scintillometer readings with SRAT SPP2-NF instrument, (background of 80 to 100 cps not deducted).

750 hip height reading

750/1000 hip height reading on rock





BLASTED TRENCH		
SCINTILLOMETER READINGS – Cps.		
DISTANCES MEASURED FROM WEST TO EAST IN TRENCH		
DISTANCE (IN FEET)	INSTRUMENT AT HIP HEIGHT (AFTER BLASTING)	BOTTOM OF TRENCH (AFTER BLASTING)
0	400	850
5	750	1700
10	750	1350
15	550	950
20	300	230 GNEISS
25	250	180 GNEISS
30	750	650
35	700	1450
40	500	350
45	750	1600
50	550	700
55	500	420
60	650	1000
65	900	600
70	550	400
75	600	750
80	750	2000

ESTIMATED GRADE, EXCLUDING GNEISS SECTION 0.05% U_3O_8

38011 – 38019 ppm U Co Zn

.02 Scintillometer

Fig 2

CRONUS MINERALS LIMITED

GRAND FORKS, B.C.

SKETCH PLAN

Nº 2 ZONE

J.S. KERMEEN CONSULTING GEOLOGICAL ENGINEER

SCALE: 1 INCH = 40 FEET | DATE: NOVEMBER 1970