

PRESS GROUP : SOIL GEOCHEMISTRY
: LINE CUTTING

SIMILKAMEEN MINING DIVISION

PRESS 1,2,3 (46 units)

92H/9E

49°41'N, 120°10'W

Owner/Operator

Amoco Canada Petroleum Company Ltd.
Mining Division
#656 - 409 Granville Street
Vancouver, B.C.
V6C 1T2

Report written by

Walter Melnyk

November 15, 1979

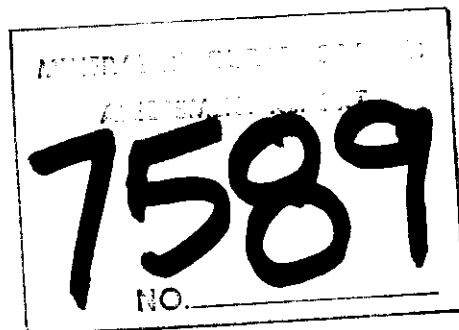


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1. Uranium Soil Geochemistry PRESS 1,2,3 claims (in folder)

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

PROJECT LOCATION MAP

SCALE: 1 INCH TO 120 MILES = $\frac{1}{7,603,200}$

MILES 100 0 100 200 MILES

km. 100 0 100 200 km.



YUKON
TERRITORY

● WHITEHORSE

LIARD
RIVER

● WATSON LAKE

KECHIKA
RIVER

FINLAY RIVER

ALBERTA

● FORT ST. JOHN

QUEEN
CHARLOTTE
ISLANDS

● PRINCE
GEORGE

BRITISH
COLUMBIA

FRASER RIVER

THOMPSON
RIVER

COLUMBIA RIVER

OKANAGAN
PROJECT

KELOWNA

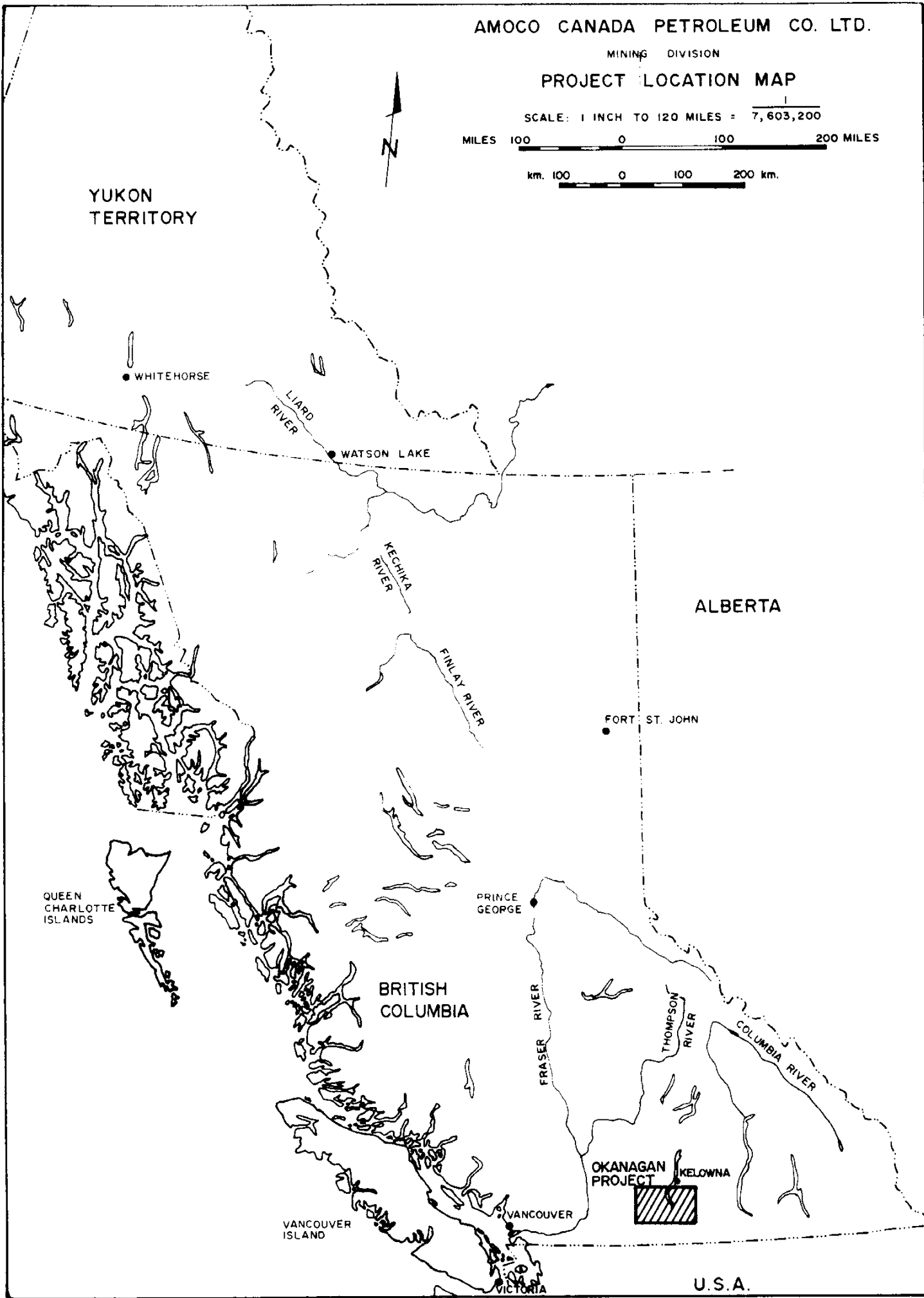


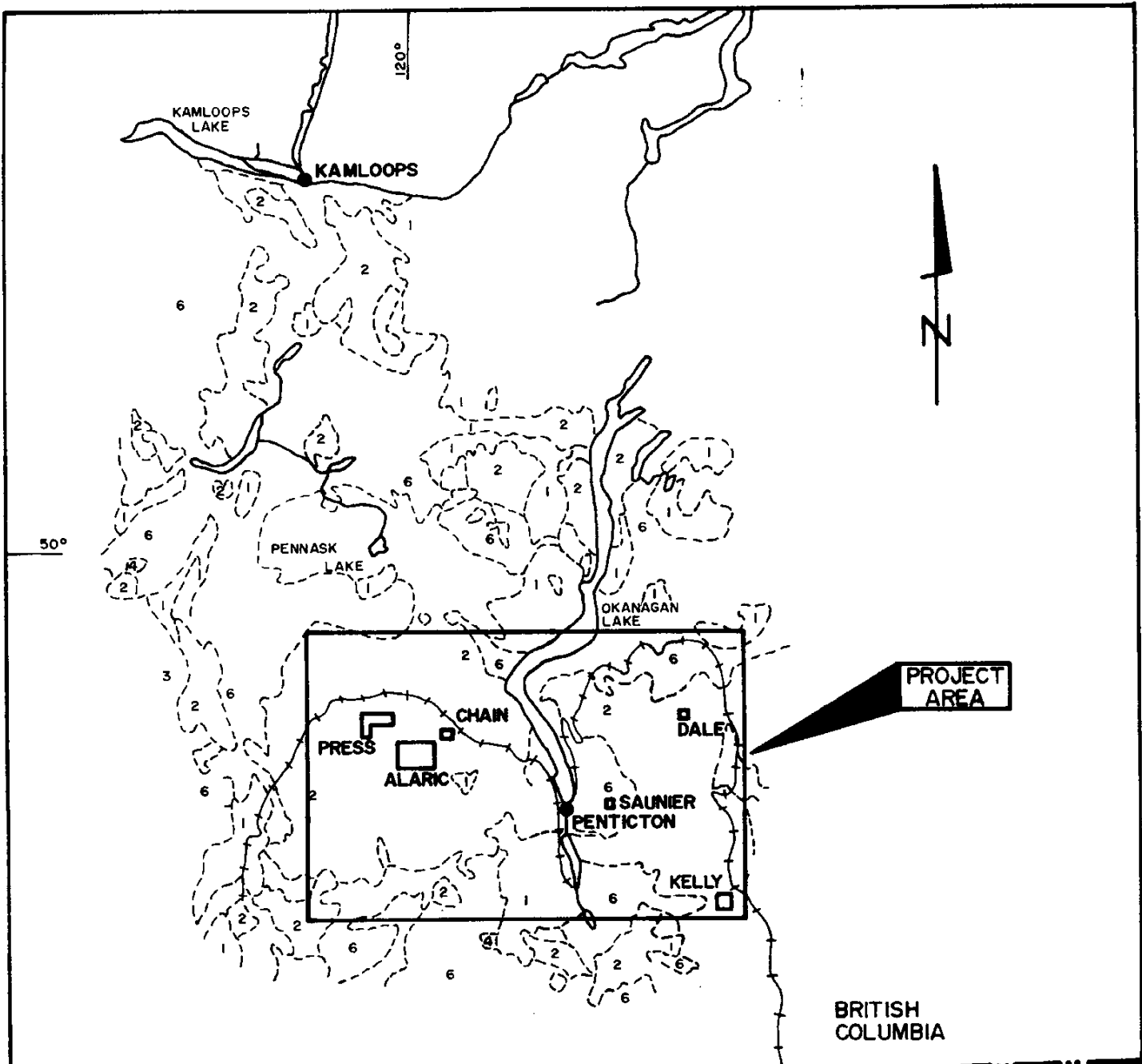
VANCOUVER
ISLAND

VANCOUVER

VICTORIA

U.S.A.



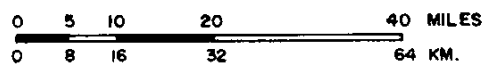


BRITISH COLUMBIA

U.S.A.

LEGEND:

- TERTIARY
- 1 SEDIMENTS AND VOLCANICS CRETACEOUS
 - 2 FELSIC INTRUSIVES
 - 3 SEDIMENTS, VOLCANIC ROCKS
 - 4 ULTRAMAFIC ROCKS
- PRE-CRETACEOUS
- 5 INTRUSIVES
 - 6 SEDIMENTS
- AMOCO CLAIM GROUPS



AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

OKANAGAN PROJECT
LOCATION MAP

DRAWN BY	R. IVANY	SCALE	1:1,267,200
DATE	NOV. 1979	PROJECT NO.	79C-005

INTRODUCTION

The PRESS 1, 2, and 3 claims consist of 46 contiguous units which are located at the headwaters of Empress Creek and are situated 50 km northwest of Penticton. Relief on the PRESS group is 200 metres. The PRESS claim group is accessible from Summerland via the Trout Creek road to Bankeir, approximately 70 km, then south past Link Lake for 10 km to the property.

Amoco Canada Petroleum Company Ltd., Mining Division, is the owner and operator of the PRESS 1,2, and 3 claims.

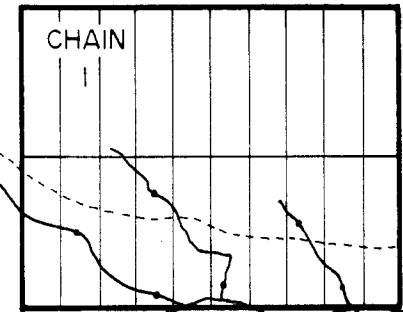
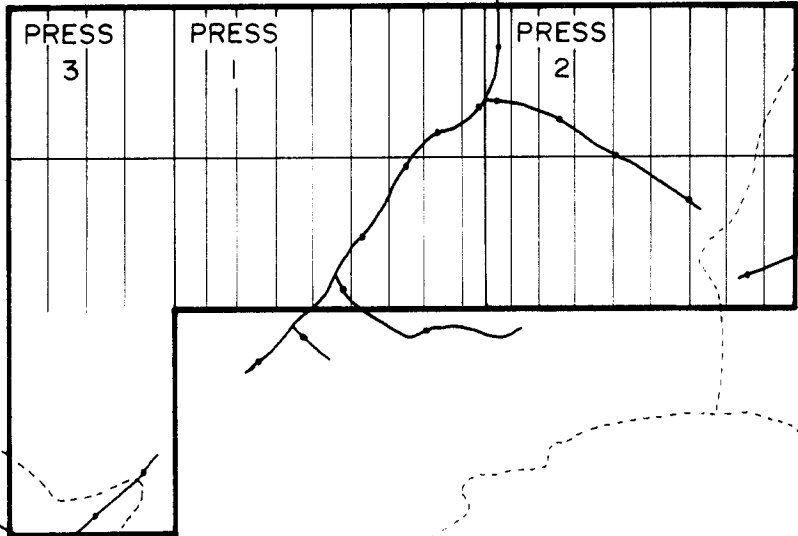
The claim group is underlain by Cretaceous intrusive rocks of the Okanagan Batholithic Complex which Rice (1960) has categorized as "red" granodiorite. For the most part the rocks are porphyritic quartz-monzonites to granodiorites.

Geochemical results indicate that uranium concentrations are at background levels in soils on the PRESS property.

PRESS Claim Group

	<u>Units</u>	<u>Tag No.</u>	<u>Date Staked</u>	<u>Anniversary Date</u>	<u>Record No.</u>
PRESS 1	16	23374	Nov.27,1978	December 6, 1979	497
PRESS 2	16	23375	Nov.27,1978	December 6, 1979	498
PRESS 3	14	23376	Nov.27,1978	December 6, 1979	499

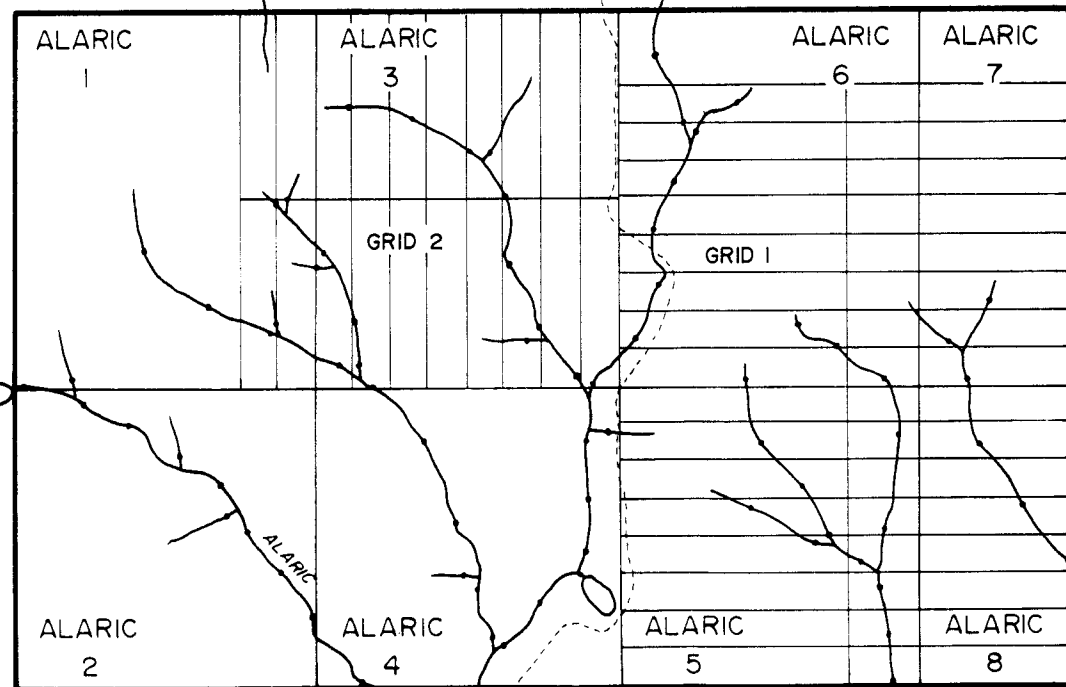
120° 05'



SHINISH CREEK

LOST CHAIN CREEK

49° 39'



ALARIC LAKE

MINERAL RESOURCES BRANCH
7589
 NO.

AMOCO CANADA PETROLEUM CO. LTD.
 MINING DIVISION

OKANAGAN PROJECT
 ALARIC, PRESS, CHAIN
 GRIDS

Drawn By	W. MELNYK	Scale	1:50,000
Date	NOV. 1979	Project No	79C-005

GEOLOGY

The PRESS property is underlain by Cretaceous intrusive rocks which may be classified according to Rice (1960) as "red" granodiorite. For the most part the rocks are porphyritic containing megacrysts of potash feldspar set in a matrix which is compositionally quartz-monzonite to granodiorite. Infrequent outcrops indicate that the intrusive rocks are massive, unaltered, and contain no visible mineralization. Minor amounts of metamorphosed sedimentary and volcanic float of glacial origin was encountered in the northwest corner of PRESS 3.

The property is blanketed by a substantial glacial cover which contains rounded boulders of similar intrusive character as observed in outcrop.

SOIL GEOCHEMISTRY

During the period August 1 to August 8, 37 man-days were spent collecting soil samples along pace and compass lines from a cut and picketed base-line extending easterly for 5000 metres from PRESS 3 through to PRESS 2. Traverses were conducted at 250 metre intervals and soil samples were collected at 40 metre stations.

Soil samples were collected from depths of 15 to 45 cm with a mattock and stored in Kraft paper bags. The "B" horizon was sampled in most instances, however, several wet, gently sloping areas necessitated the sampling of organic material.

The minus 80 mesh fraction of all samples was analyzed for uranium by Min-En Laboratories of North Vancouver.

Soil geochemistry did not detect any areas containing anomalous concentrations of uranium. A total of 1245 soil samples were collected indicating a background for uranium of approximately 2.0 ppm. Eighteen samples were over 10 ppm with the highest value being 60.0 ppm. These samples are randomly distributed through the property and indicate the absence of possible economic concentrations of uranium utilizing soils as the testing medium.

BIBLIOGRAPHY

Rice, H.M.A., 1960, Geology and Mineral Deposits of the Princeton Map-Area, British Columbia, Geological Survey of Canada, Mem. 243, 136 p.

EVALUATION OF WORK

- WORK CONDUCTED - Grid soil sampling
- Line cutting
- CLAIMS - PRESS 1, 2, and 3
- SOIL SAMPLING - A total of 1245 samples were collected.
395 samples were collected on PRESS 1
589 samples were collected on PRESS 2
261 samples were collected on PRESS 3
- LINE CUTTING - 5000 metres of base-line were cut
and picketed.

DATES WORK CONDUCTED - August 1,2,4,5,6,7,8

SALARIES -	Walter Melnyk	7 man-days @ \$66.11	\$ 462.77
	Greg MacDonald	5 man-days @ \$45.16	225.80
	Gerald Fuss	6 man-days @ \$43.30	259.80
	Glenn Downey	2 man-days @ \$43.30	86.60
	Brian McEwen	6 man-days @ \$35.75	214.50
	Garry Tether	6 man-days @ \$39.52	237.12
	Tony Edwards	5 man-days @ \$34.81	<u>174.05</u>
	Total		\$1660.64

MEALS -	37 man-days at \$12.00/man-day	444.00
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TRANSPORTATION - Truck

7 days at \$31.62/day	\$ 221.34
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TOTAL	<u>\$2325.98</u>
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ASSAY CHARGES - Soil samples collected on PRESS claims

1245 samples analyzed
for uranium at \$4.25/sample \$5291.25

Credit to PRESS 1,2 and 3 Claims

Work done	\$2325.98
Assay charges	5291.25
Cost of report preparation	<u>300.00</u>
TOTAL	\$7917.23

APPORTIONMENT OF EXPENSES

PRESS 1, PRESS 2, and PRESS 3

Total number of samples	=	1245
Total No. samples PRESS 1	=	395
Total No. samples PRESS 2	=	589
Total No. samples PRESS 3	=	261

Apportionment of costs:

PRESS 1	:	$395/1245 \times \$7917.23$	=	\$2511.89
PRESS 2	:	$589/1245 \times \$7917.23$	=	\$3745.58
PRESS 3	:	$261/1245 \times \$7917.23$	=	\$1659.76

APPENDIX I

FEE SCHEDULE

Geochemical analyses were done by

Min-En Laboratories Ltd.
705 West 15th Street
North Vancouver, B.C.
V7M 1T2

Geochemical analyses:

Uranium	\$3.75
Sample preparation	<u>.50</u>
	\$4.25

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke

705 WEST 15th STREET

NORTH VANCOUVER, B.C.

CANADA

ANALYTICAL PROCEDURE REPORTS FOR
ASSESSMENT WORK

Procedure for Uranium Analysis:

Rock, soil and silt samples are dried at 110°C and then rocks are crushed and pulverized to -80 mesh.

Soils and silts are sieved and the minus 80 mesh fraction is retained for analysis.

1.000 g. sub-sample is weighed and digested for eight hours with HNO_3 and HClO_4 .

Then the uranium is separated chemically from other possible interfering ions as Mn, Fe, etc.

After preparation a suitable aliquote is taken and fluxed to form a 1.5 inch diameter discs in platinum dishes.

These salt discs then are compared and measured along with suitable standard with a Jarrell Ash Fluorometer.

The results are calculated accordingly to the sample aliquotes used from standard graphs.

APPENDIX III

NAMES AND ADDRESSES OF PERSONS CONDUCTING WORK

Walter Melnyk	1614 Coleman Rd. North Vancouver, B.C.
Greg MacDonald	R.R. #1 Coboconk, Ontario KOM 1K0
Gerald Fuss	84 Willow Park Green S.E. Calgary, Alberta T2J 3L1
Glenn Downey	3131 Upper Place Calgary, Alberta T2N 4H2
Garry Tether	#2 - 209 Bottomly Ave. North Saskatoon, Saskatchewan
Brian McEwen	146 E 7th Avenue New Westminster, B.C. V3L 4H6
Tony Edwards	9971 Deagle Rd. Richmond, B.C. V7A 1P9

APPENDIX IV

COST PER DAY FOR TRUCK 1979

1979 Ford Bronco leased from Canuck Truck Rentals,
North Vancouver, B.C.

Contract cost	\$25.12/day
Fuel cost	<u>6.50/day</u> (80 km/day, 2.83 km/litre, \$0.23/litre)
Total	\$31.62/day

APPENDIX V

QUALIFICATIONS OF W.D. MELNYK

B.Sc., Geological Engineering, University of Saskatchewan,
Saskatoon, 1972.

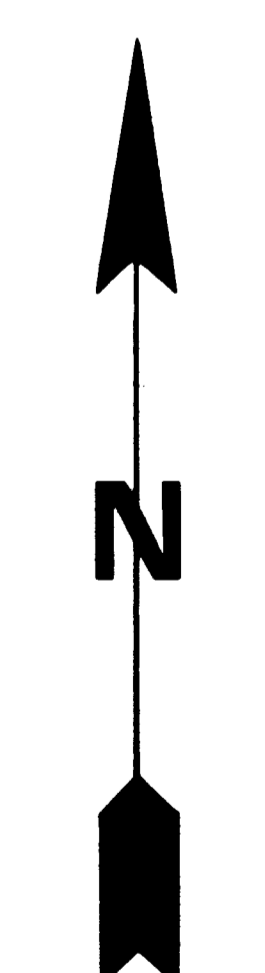
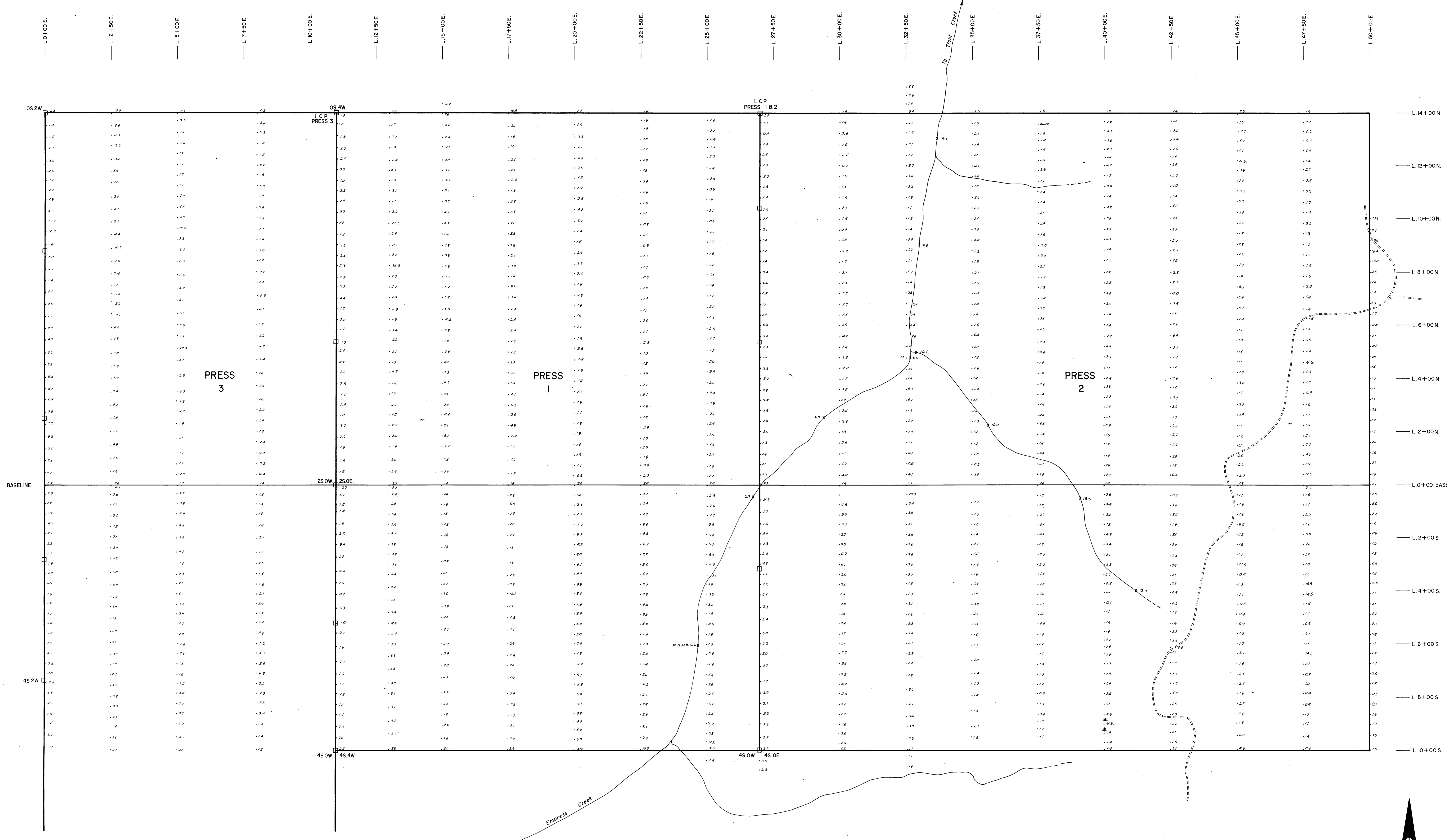
Member of The Association of Professional Engineers of the
Province of Ontario.

Member of The Association of Professional Engineers of
British Columbia.



W.D. Melnyk, P.Eng.

Vancouver, B.C.
November 15, 1979



- LEGEND**
- Claim Line
 - Claim Post Location
 - ~ Creeks / Streams
 - Roads
 - ⊞ Swamp
 - Uranium (ppm) Soil
 - X Uranium (ppm) Silt, Uranium (ppb) Water, pH

7589

AMOCO CANADA PETROLEUM CO. LTD.
 MINING DIVISION

OKANAGAN PROJECT
 PRESS CLAIM GROUP
 URANIUM (ppm)

Drawn By	Altair / a.m.b.	Scale	1cm = 50m
Date	Oct., 1979	Project No.	79C-005

