

SAUNIER GROUP : SOIL GEOCHEMISTRY
: LINE CUTTING

GREENWOOD MINING DIVISION

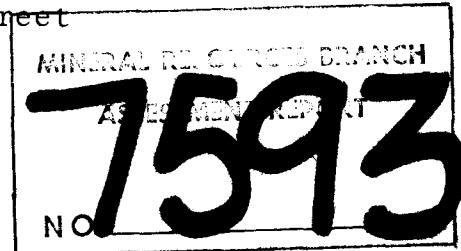
SAUNIER 1 (12 units)

82E/6W

49°24'N, 119°20'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 - SAUNIER 1 claim (in folder)

AMOCO CANADA PETROLEUM CO. LTD.

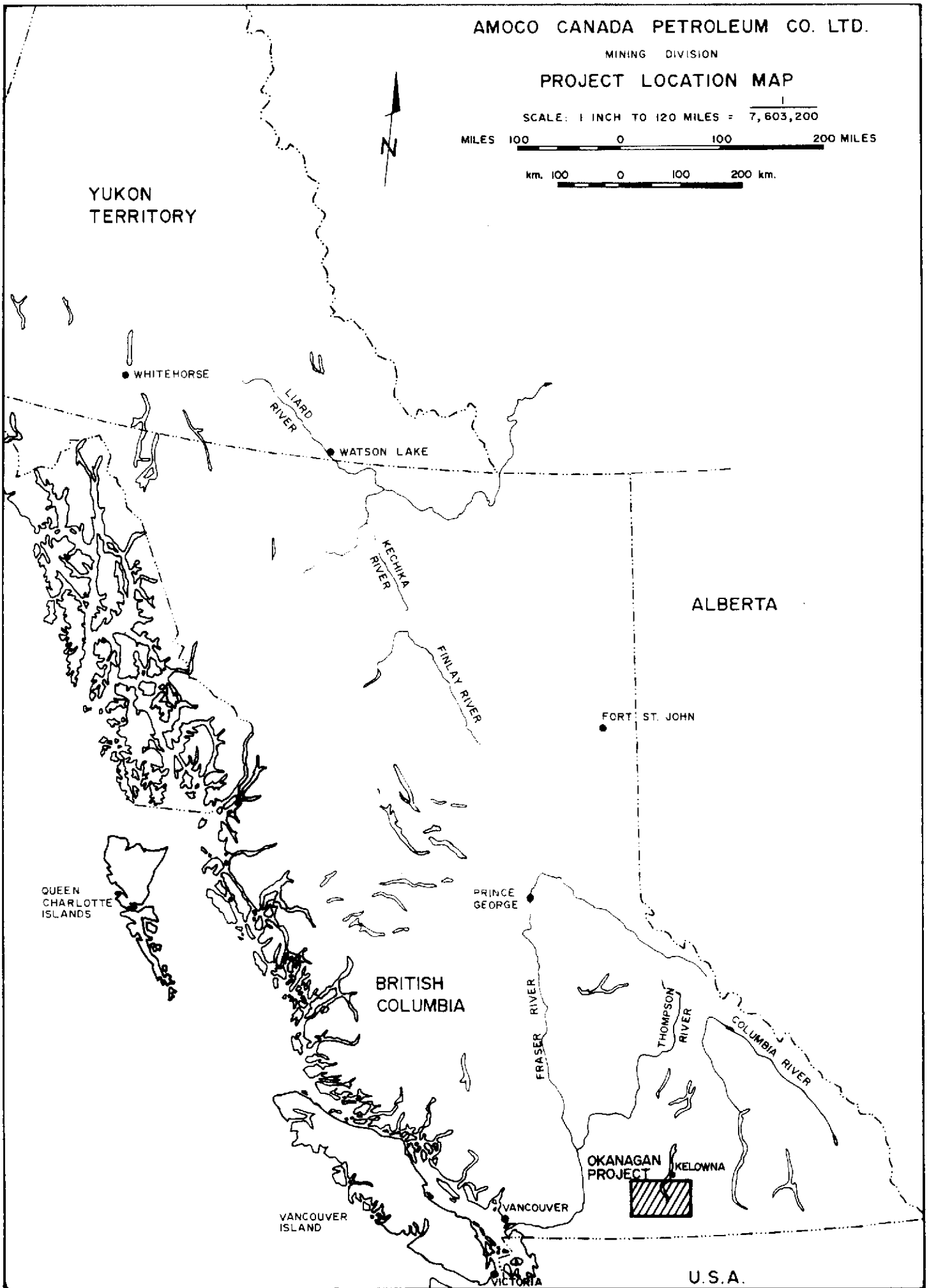
MINING DIVISION

PROJECT LOCATION MAP

SCALE: 1 INCH TO 120 MILES = 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

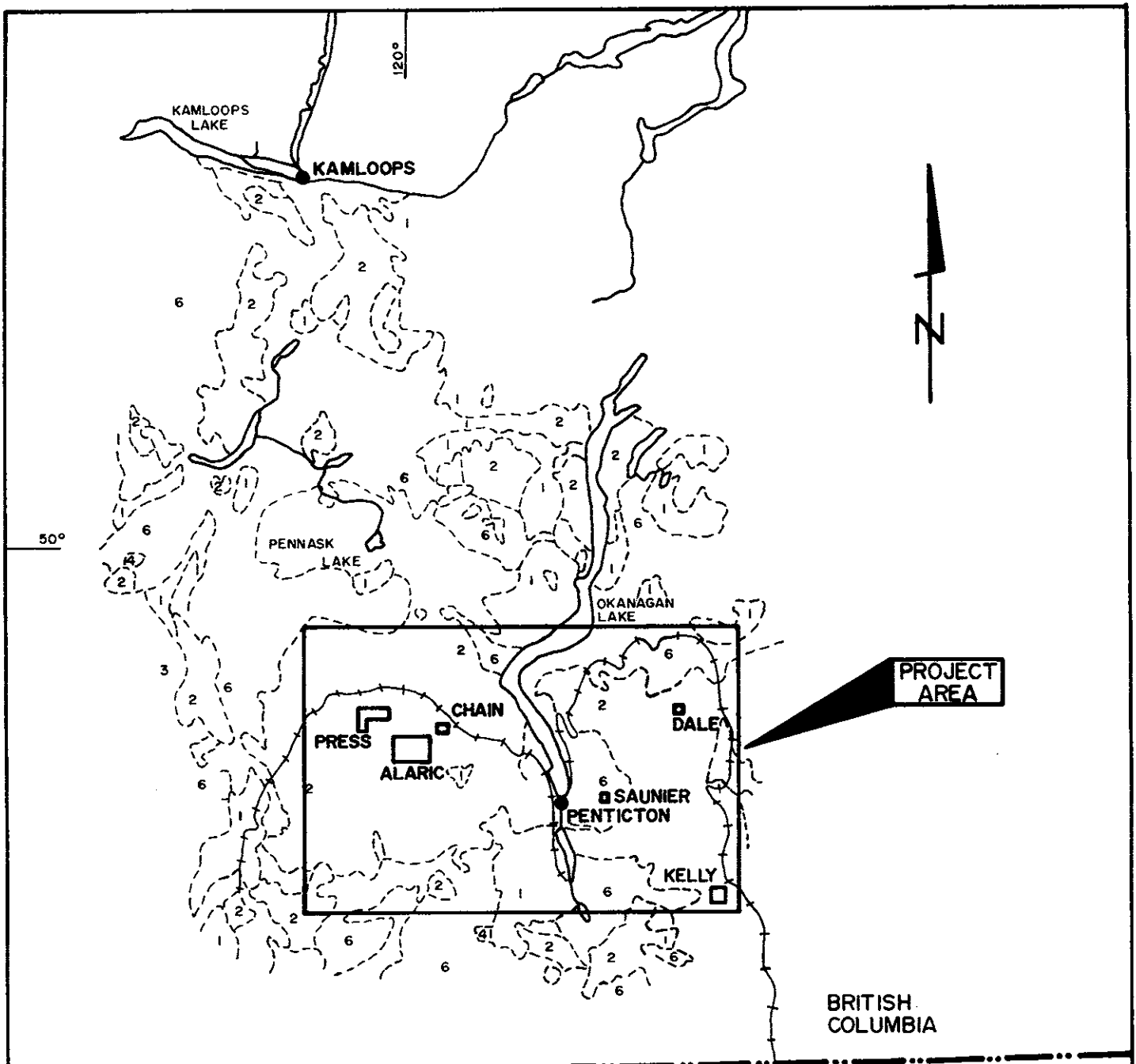
● KELOWNA

VANCOUVER
ISLAND

● VANCOUVER

● VICTORIA

U.S.A.



PROJECT AREA

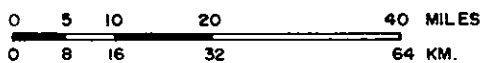
BRITISH COLUMBIA

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

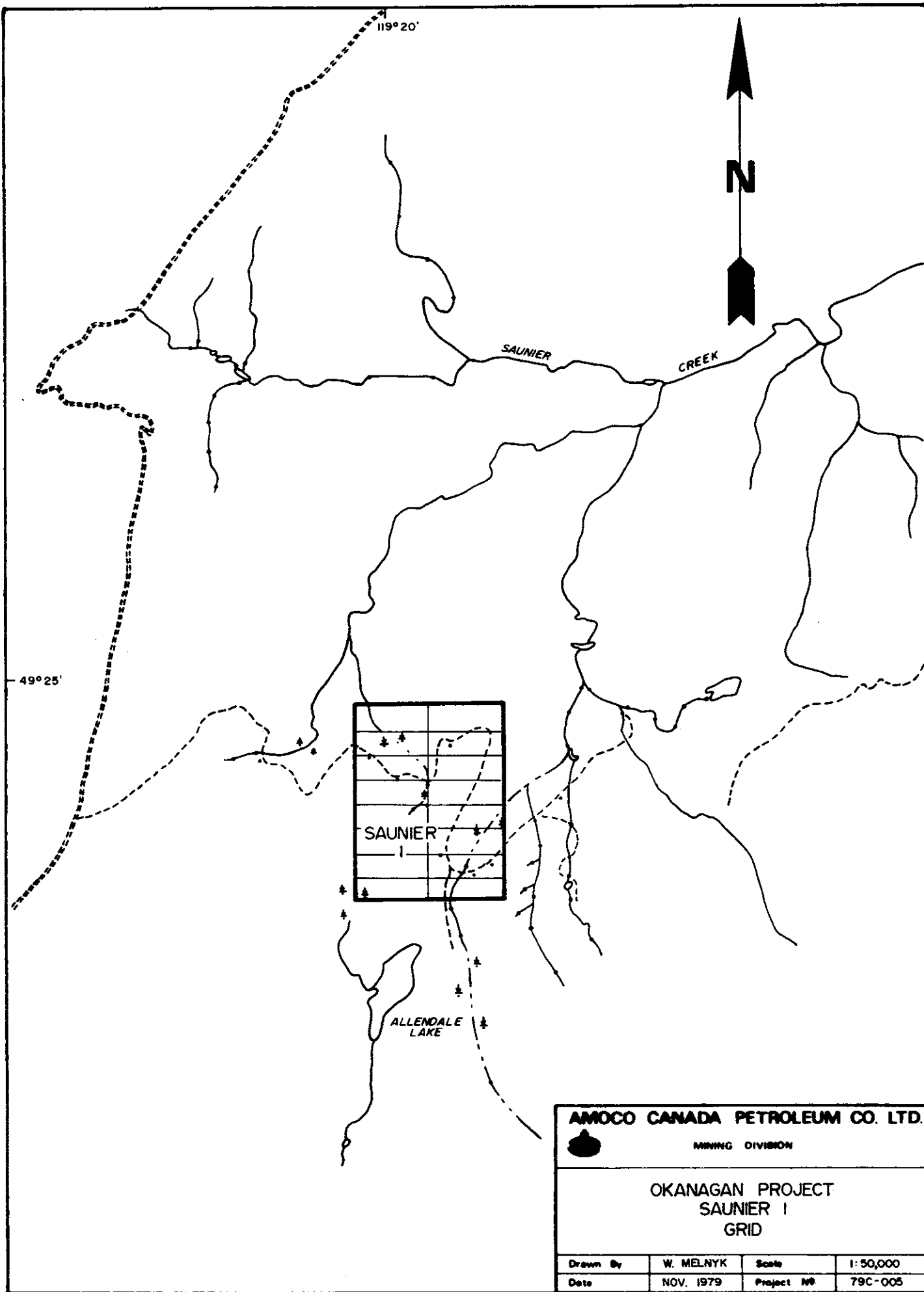
□ AMOCO CLAIM GROUPS



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 SAUNIER claim consists of 12 contiguous units which are located at the headwaters of Saunier Creek, immediately north of Allendale Lake, and 21 km southeast of Penticton. The SAUNIER claim is accessible by road which parallels Ellis Creek for 18 km from Penticton, then south and east for an additional 11 km to the property.

Amoco Canada Petroleum Company Ltd., Mining Division, is the owner and operator of the SAUNIER 1 claim.

The claim is underlain by rocks of the Valhalla plutonic complex, a homogeneous, massive, light coloured granodiorite.

Geochemical soil sampling did not indicate the presence of anomalous uranium concentrations.

SAUNIER Claim

	<u>Units</u>	<u>Tag No.</u>	<u>Date Staked</u>	<u>Anniversary Date</u>	<u>Record No.</u>
SAUNIER 1	12	22607	Nov.30,1978	December 6, 1979	1400

GEOLOGY

The SAUNIER claim is underlain by rocks of the Valhalla Intrusive complex. The rock type is a light grey, equigranular granodiorite, fairly homogeneous in character throughout the property. The intrusive is not mineralized and exhibits no alteration features.

The vast proportion of the property is covered by glacial debris which limits rock exposure to hill crests and bluffs. Boulders in the glacial material are well rounded and are exclusively of intrusive origin.

SOIL GEOCHEMISTRY

During the period May 31 to June 4 inclusive, twenty-two man-days were spent collecting soil samples along pace and compass traverses on east-west grid lines at 250 metre intervals. Grid control was achieved by cutting an 1800 metre picket base-line centrally through SAUNIER in a north-south direction.

Soil samples were collected at stations spaced at 30 metres and 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, topographically low, wet 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 geochem results proved inconclusive. Randomly distributed anomalous values for uranium appear to invariably occur in areas of organic accumulation. The absence of hydrothermal alteration features and lack of volcanic rocks suggests that the potential for concentration of basal-type uranium mineralization on the SAUNIER property is minimal.

EVALUATION OF WORK

WORK CONDUCTED - Grid soil sampling
 - Line cutting

CLAIMS - SAUNIER 1

SOIL SAMPLING - A total of 354 soil samples were collected on SAUNIER 1.

LINE CUTTING - 1800 metres of base line was cut and picketed.

DATES WORK CONDUCTED - May 31, June 1-4 inclusive.

SALARIES -	Walter Melnyk	3 man-days @ \$66.11	\$ 198.33
	Greg MacDonald	4 man-days @ \$45.16	180.64
	Gerald Fuss	3 man-days @ \$43.30	129.90
	Glenn Downey	4 man-days @ \$43.30	173.20
	Brian McEwen	2 man-days @ \$35.75	71.50
	Garry Tether	3 man-days @ \$39.52	118.56
	Tony Edwards	3 man-days @ \$34.81	<u>104.43</u>
	Total		\$ 976.56

MEALS -	22 man-days at \$12.00/man-day	\$ 264.00
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TRANSPORTATION - Truck

5 days at \$27.96/day	\$ 139.80
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TOTAL	\$1380.36
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ASSAY CHARGES - Soil samples collected on SAUNIER claim
354 samples analyzed
for uranium at \$4.25/sample \$1504.50

CREDIT TO SAUNIER 1 CLAIM

Work done	\$1380.00
Assay charges	1504.50
Cost of report preparation	300.00
	<hr/>
TOTAL	\$3184.50

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 K0M 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 Ford Bronco leased from Canuck Truck Rentals,
North Vancouver, B.C.

Contract cost	\$25.12/day
Fuel cost	2.84/day (35 km/day, 2.83 km/litre, \$0.23/litre)
	<hr/>
Total	\$27.96/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



7+50W.

6+00W.

4+50W.

3+00W.

1+50W.

0+00 BASELINE

1+50E.

3+00E.

4+50E.

6+00E.

7+50E.

4N. 3W. 33

0+00

4N. 0W.

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.64

5+00

7+50

10+00

15+00

SAUNIER I

Marsh

Marsh

Marsh

Marsh

Marsh

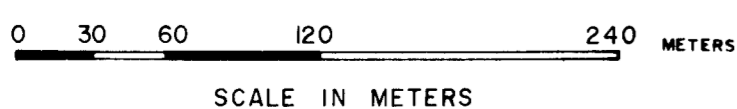
3W. 0N.

L.18+00S.

LEGAL CORNER POST

LEGEND

- Swamp
- Uranium (ppm)
- Creek
- Claim Line
- Claim Post Location
- Main Logging Road (Driveable)
- Abandoned Road (Walkable)



75913

AMOCO CANADA PETROLEUM CO. LTD.



MINING DIVISION

OKANAGAN PROJECT
SAUNIER CLAIM GROUP
URANIUM (ppm.)

Drawn By	Altair / c.z.	Scale	1cm = 30m.
Date	October, 1979.	Project N ^o .	79C - 005