BURN 5-6 GROUP: SOIL GEOCHEMISTRY

OMINECA MINING DIVISION

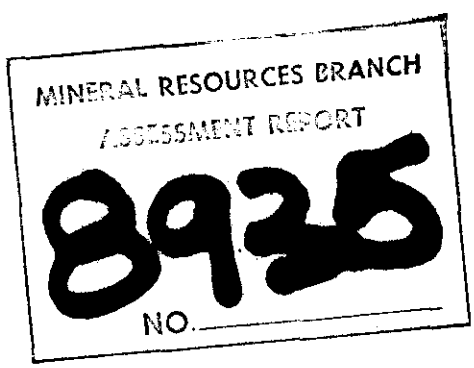
28 UNITS

93M/3

55°23N 127°45W

OWNER/OPERATOR

Amoco Canada Petroleum Co. Ltd.
Suite 656 - 409 Granville Street
Vancouver, British Columbia
V6C 1T2



REPORT WRITTEN BY:

D. Visagie
January 21, 1981

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INTRODUCTION

The Burn 5-6 Group consisting of the Burn 5 and 6 claim blocks, with 8 and 20 units respectively, is located approximately 18 kilometers north - northwest of the village of Hazelton, central British Columbia.

Access is provided by a good dirt road which extends from Hazelton to Date Creek. Relief on the property is less than 200 meters.

Amoco Canada Petroleum Company Limited, under option agreement with Earl and Catherine Sargent of New Hazelton, B.C., is the owner-operator of the property.

The Burn 5 and 6 Group is underlain by a series of north striking argillites, sandstones and shales that have been intruded by a small granodiorite plug and by a narrow biotite-feldspar porphyry dyke.

The adjoining Burn Group consisting of Burn 16, 9, 3 and 4 was initially located by E. Sargent of New Hazelton, B.C. while prospecting for Hazelton Joint Ventures. Follow-up work consisting of soil sampling geological mapping and one A.Q. diamond drill hole of 105.4 meters was completed on the property.

In 1975, E. Sargent restaked the property and optioned it to Noranda Mines. Noranda completed soil sampling, mapping magnetometer, V.L.F. and an I.P. survey during the fall of 1975. Noranda dropped the option in 1975.

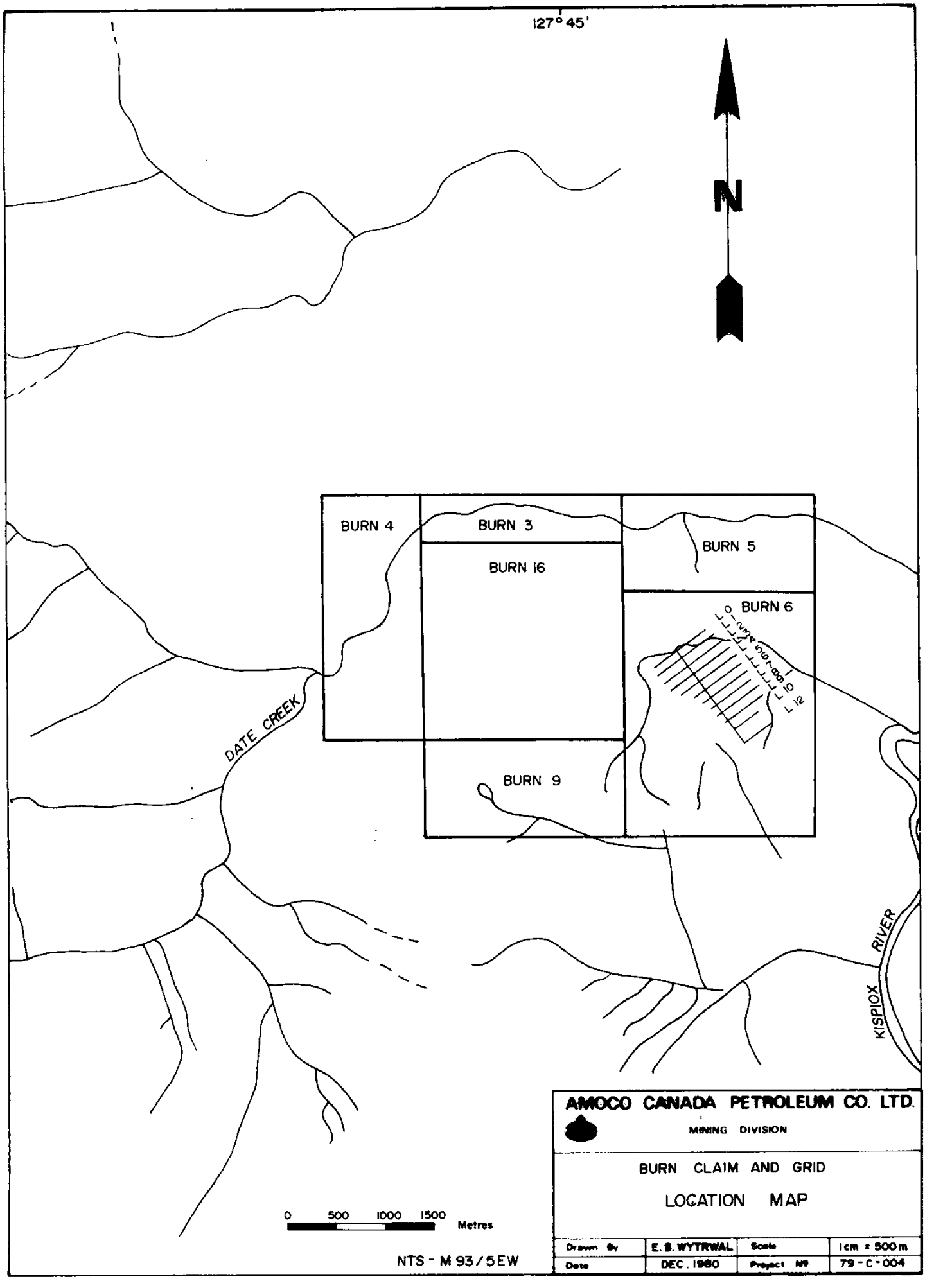
In 1979 Amoco Canada optioned the property from E. Sargent.

The 1980 the Burn 5 and 6 were staked to cover anomalous soil sample values which coincided with a graodiorite intrusive.

Geochemical soil sampling has indicated the presence of anomalous concentrations of molybdenum on the Burns 5-6 Group.

Burn 5-6 Group:

Name	Units	Tag No.	Date Staked	Anniversary Date	Record No.
Burn 5	8	69133	October 30, 1980	November 21, 1981	3375
Burn 6	20	69134	October 29, 1980	November 21, 1981	3376


127° 45'
N
BURN 4
BURN 3
BURN 5
BURN 16
BURN 6
BURN 9
DATE CREEK
KISPIOX RIVER
0 500 1000 1500
Metres
NTS - M 93/5EW
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION
BURN CLAIM AND GRID
LOCATION MAP
Drawn By | E. B. WYTRWAL | Scale | 1cm = 500m
Date | DEC. 1980 | Project No | 79-C-004

GEOLOGY

The Burn 5-6 property is underlain by the north-striking Jurassic aged Bowser Group; an assemblage of shale, argillite and sandstone that has been intruded by a northwest trending Late Crotaceous granodiorite stock, and a narrow biotite-feldspar porphyry dyke. The granodiorite plug has dimensions of at least, 1,100 X 400 meters as determined by outcrop. The sediments have been altered to biotite hornfels around the contact, with alteration extending 100-200 meters from the contact. Minor alaskite is observed along the western contact of the granodiorite with the hornfels.

The intrusive and surrounding hornfels have been cross-cut by a quartz vein stockwork of variable intensity.

Pyrite and trace molybdenite are observed to occur within the quartz vein stockwork and occassionally as disseminations within both the hornfels and the granodiorite.

SOIL GEOCHEMISTRY

During the period of November 2 to November 5, 11 man days were spend collecting soil samples on a grid basis covering the Burn 5-6 claim group. A baseline bearing 330° for 1,200 meters was cut and chained. Cut-off lines were established every 100 meters from line 0+00S to line 10+00S and at 200 meters from line 10+100S to Line 12+00S. Sample stations were established every 50 meters along the lines.

Soil samples were collected from the B horizon with a mattock and stored in kraft paper bags. The minus 80 fraction for all samples was analyzed for Cu, Mo and W by Min-En Labratories of North Vancouver.

Soil sample results show a 700 X 900 metre zone of >30 ppm Mo with occassional values of up to 190 ppm to coincide directly with the granodiorite plug. The highest values are located along the hornfels/granodiorite contact. Tungsten results show erratic zones of >4ppm WO_3 to be located on the property. These zones, in general, correspond to the outlined zone of anomalous molybdenum geochemistry. The highest tungsten value is 180 ppm. No discernable pattern was outlined by the copper soil geochemistry.

EVALUATION OF WORK

Soil Sampling:	A total of 169 soil samples were taken	
Claims:	Burn 5 and 6 grouped into Burn 5-6	
Work Conducted:	Soil sampling	
Dates Contucted:	November 2, 3, 4 and 5	
Salaries:		
Dave Visagie	- 4 man days at $100.00 =	$ 400.00
Sam Abbott	- 4 man days at $ 48.75 =	$ 194.00
Earl Sargent	- 3 man days at $100.00 =	$ 300.00
Accommodations:	Two single rooms at $23.00 per day X 4 days =	$ 184.00
Meals:	Two men at $15.00 per day X 4 days =	$ 120.00
Transportation:	Vancouver to Smithers Return airfare $190.10 X 2=	$ 380.20
Truck Rental:	4/10 of total charge of $ 481.18	$ 193.10
Geochem Charges:	169 samples analyzed for Cu, Mo, WO_3 at $6.85 each	$1,157.65
Report Preparation:		$ 300.00
	TOTAL	$3,228.10

Credit to Burn 5-6 Group $3,228.75

FEE SCHEDULE

Geochemical analysis were done by:

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

Geochemical Analysis:

Cu, Mo, WO_3	$ 6.25
Sample Preparation	$ 0.60
Total per sample	$ 6.85

APPENDIX II

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

PROCEDURES FOR: Cu, Mo, Cd, Pb, Mn, Ni, Ag, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling the samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper, Lead, Zinc, Silver, Cadmium, Cobalt, Nickel and Manganese are analysed using the C_2H_2-Air Flame combination but the Molybdenum determination is carried out by C_2H_2-N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

Background corrections for Pb, Ag, Cd upon request are completed.

PHONE 980-5814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE FOR ASSESSMENT WORK PROCEDURE FOR TUNGSTEN

0.5 gram of prepared samples are weighed into nickel crucibles and fluxed with 1:4 times with carbonate flux in a temperature controlled furnace.

Samples are then dissolved and suitable aliquots are taken for colorimetric procedures.

The interferring elements are reduced from the solutions by a 10% $SnCl_2$ solution before the test is carried out by the Zinc Dithol reagent.

The colored complex is extracted with Kerosene oil to obtain pure and more easily discrimenated blue color.

Samples are measured against a suitable suit of standards which are carried through the same manner as the samples.

NAMES AND ADDRESS OF PERSONS CONDUCTION WORK.

D. Visagie - #111 - 170 East 4th Street
North Vancouver, B.C.

S. Abbott - #2010 - 65 Queen Street West
Toronto, Ontario

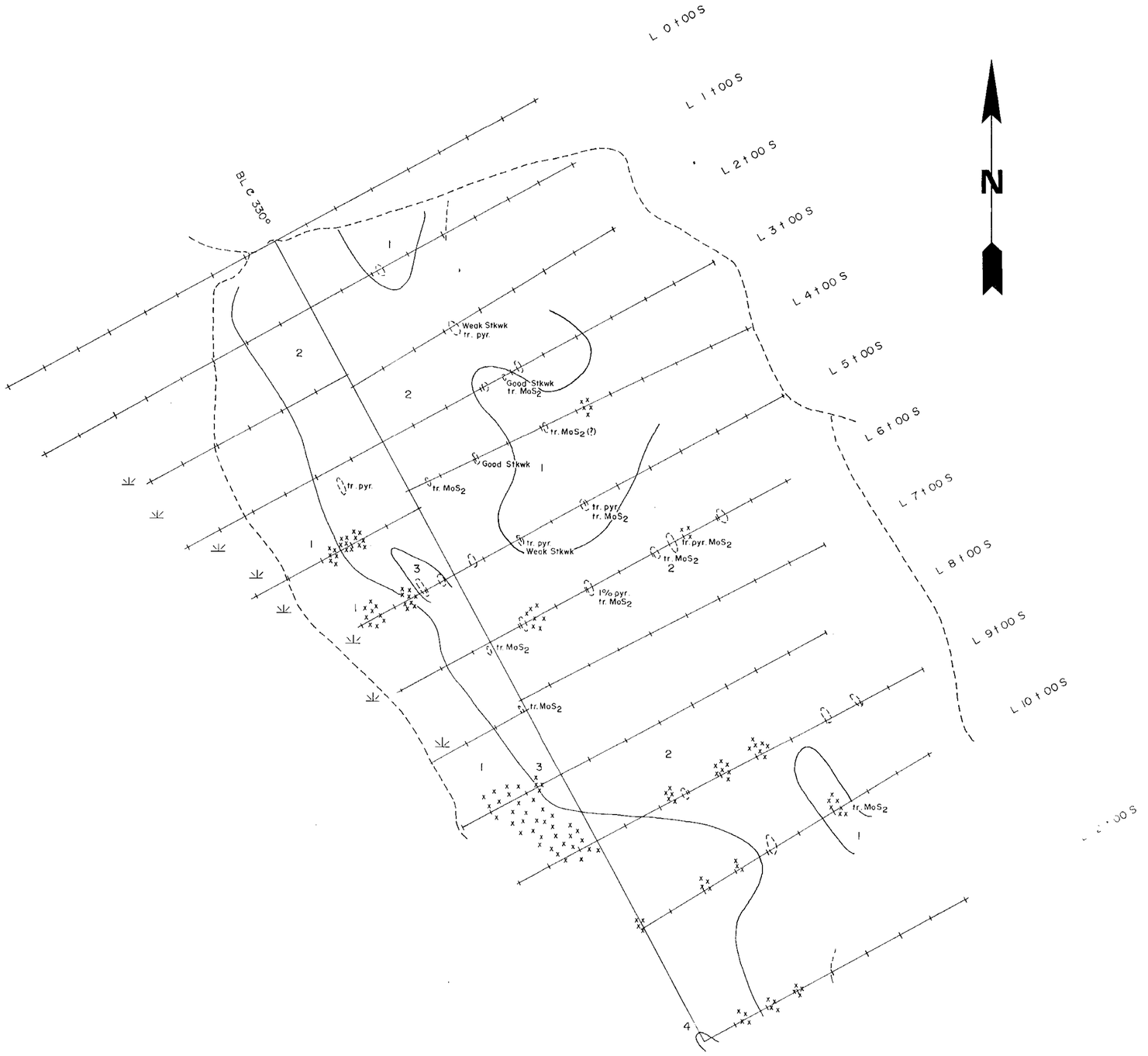
E. Sargent - P.O. Box 39
New Hazelton, B.C.

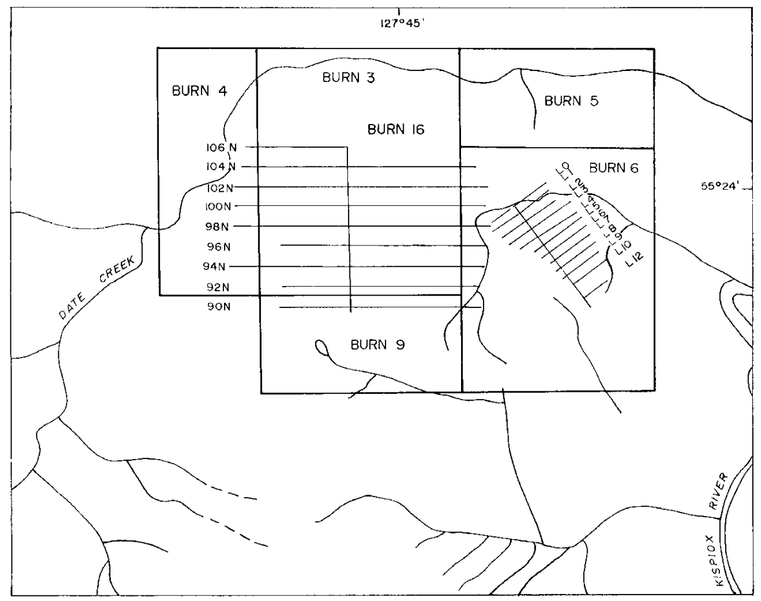
QUALIFICATIONS OF D.A. VISAGIE

B.Sc., University of British Columbia, 1979
Geology Major

Continously employed by Amoco Canada Petroleum Company Limited since 1976 in Eastern and Western Canada

D.A. Visagie
November 17, 1980





LEGEND:

4	BIOTITE - FELDSPAR, PORPHYRY
3	ALASKITE
2	GRANODIORITE
1	HORNFELS
- - -	CREEK
~	GEOLOGICAL CONTACT
xxxxx	TALUS
◌	OUTCROP
MoS_2	MOLYBDENUM
tr.	TRACE
Stkwk	STOCKWORK
⩛	SWAMP
pyr.	PYRITE

0 50 100 200 400 METERS

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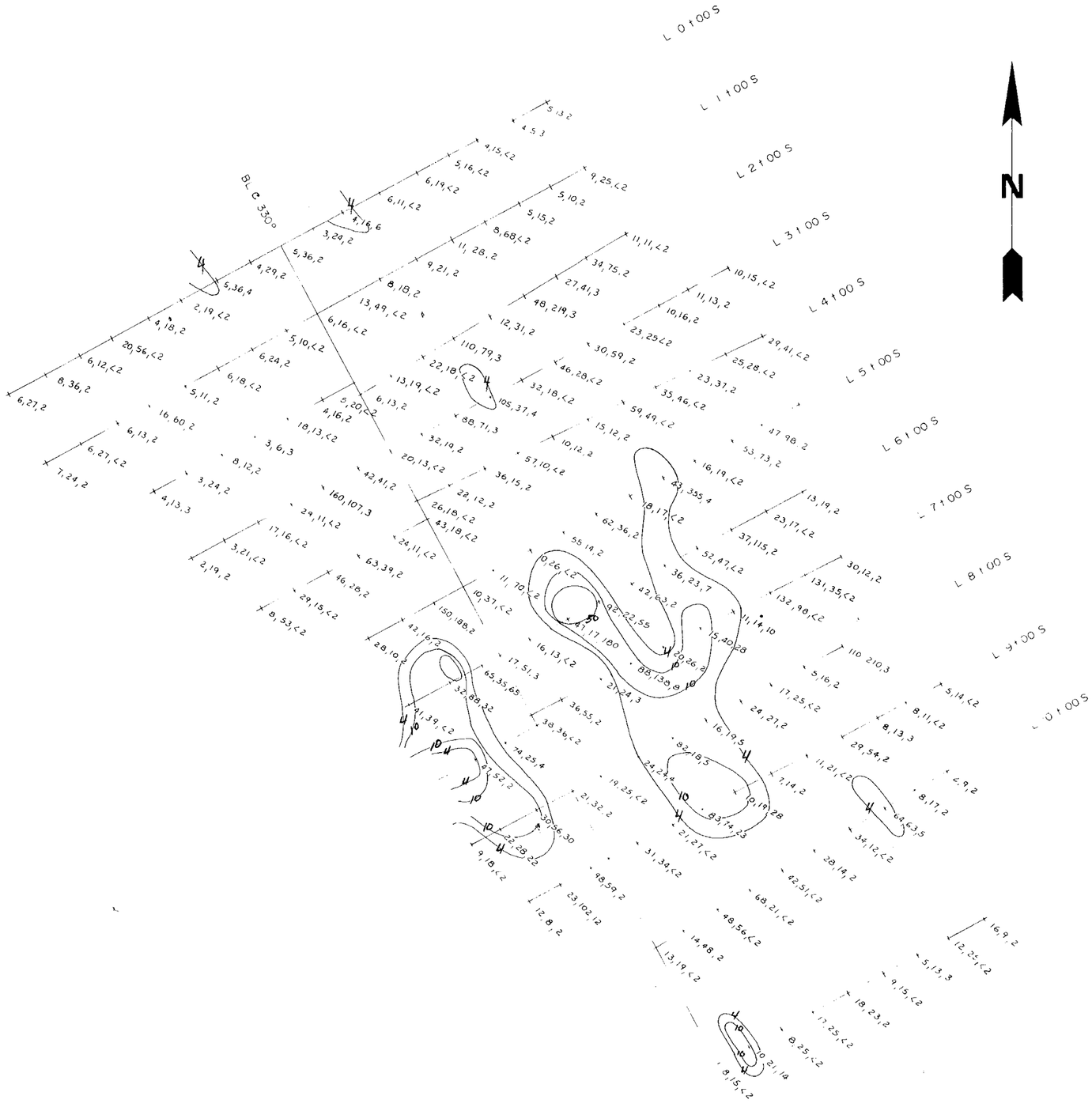
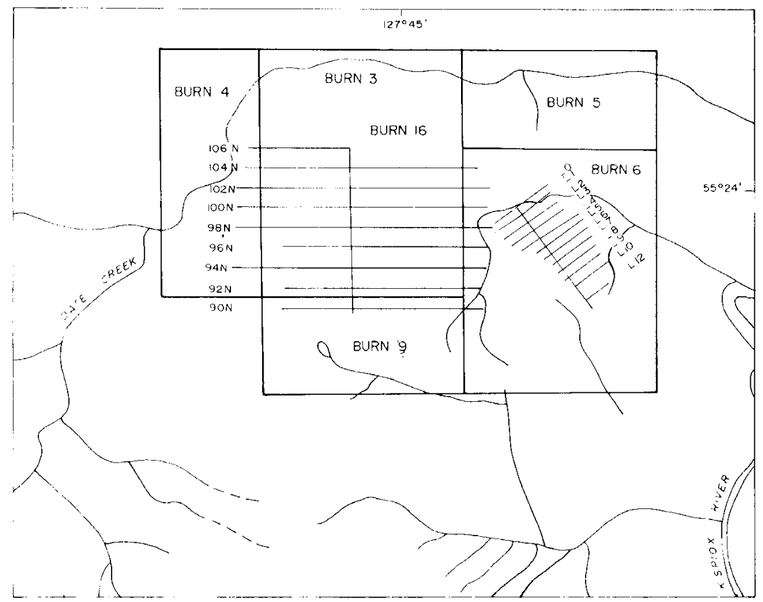
MINING DIVISION

BURN PROJECT

GEOLOGY EASTERN INTRUSIVE

Drawn By	E.B. WYTRWAL	Scale	1cm = 50m
Date	JAN 1981	Project No.	79 - C - 004





LOCATION MAP SCALE 1cm = 500m 0 500 1000 2500 metres

LEGEND

10,15,20 - Mo, Au, WO_2 ppm

WO_3 CONTOURS:

- > 4 ppm WO_3
- > 10 ppm WO_3
- > 50 ppm WO_3

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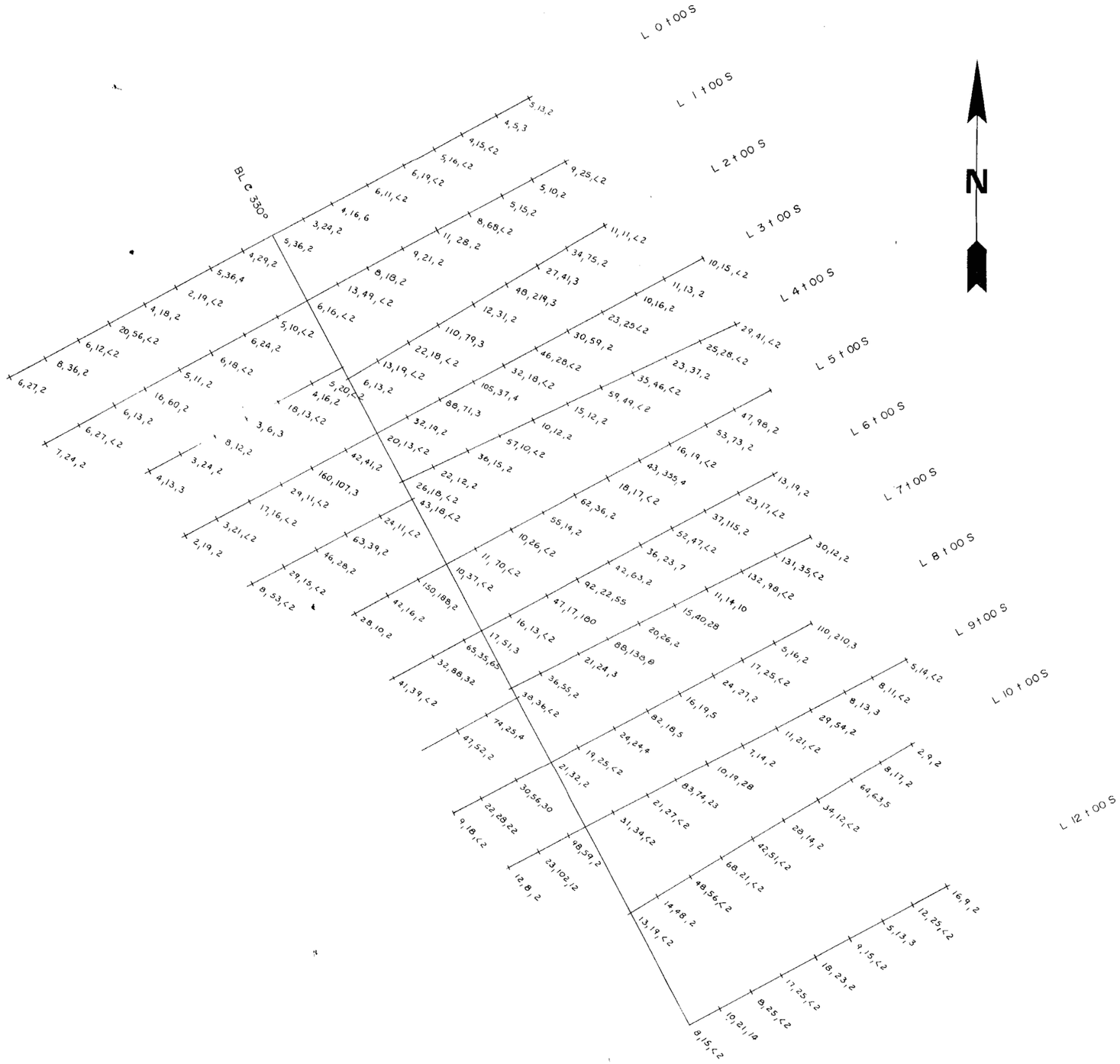
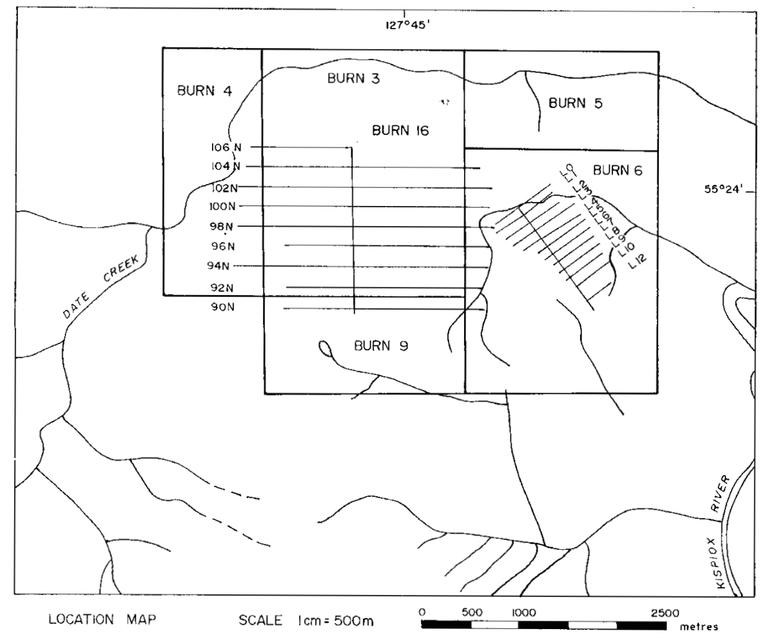
BURN PROJECT

EASTERN INTRUSIVE GEOCHEMISTRY RESULTS

TUNGSTEN

Drawn By	E.B. WYTRWAL	Scale	1cm = 50m
Date	JAN 1981	Project Nº	79 - C - 004





LEGEND:

10,15,20 - Mo, Au, WO_2 ppm

0 50 100 200 400 METERS

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EASTERN INTRUSIVE GEOCHEMISTRY RESULTS

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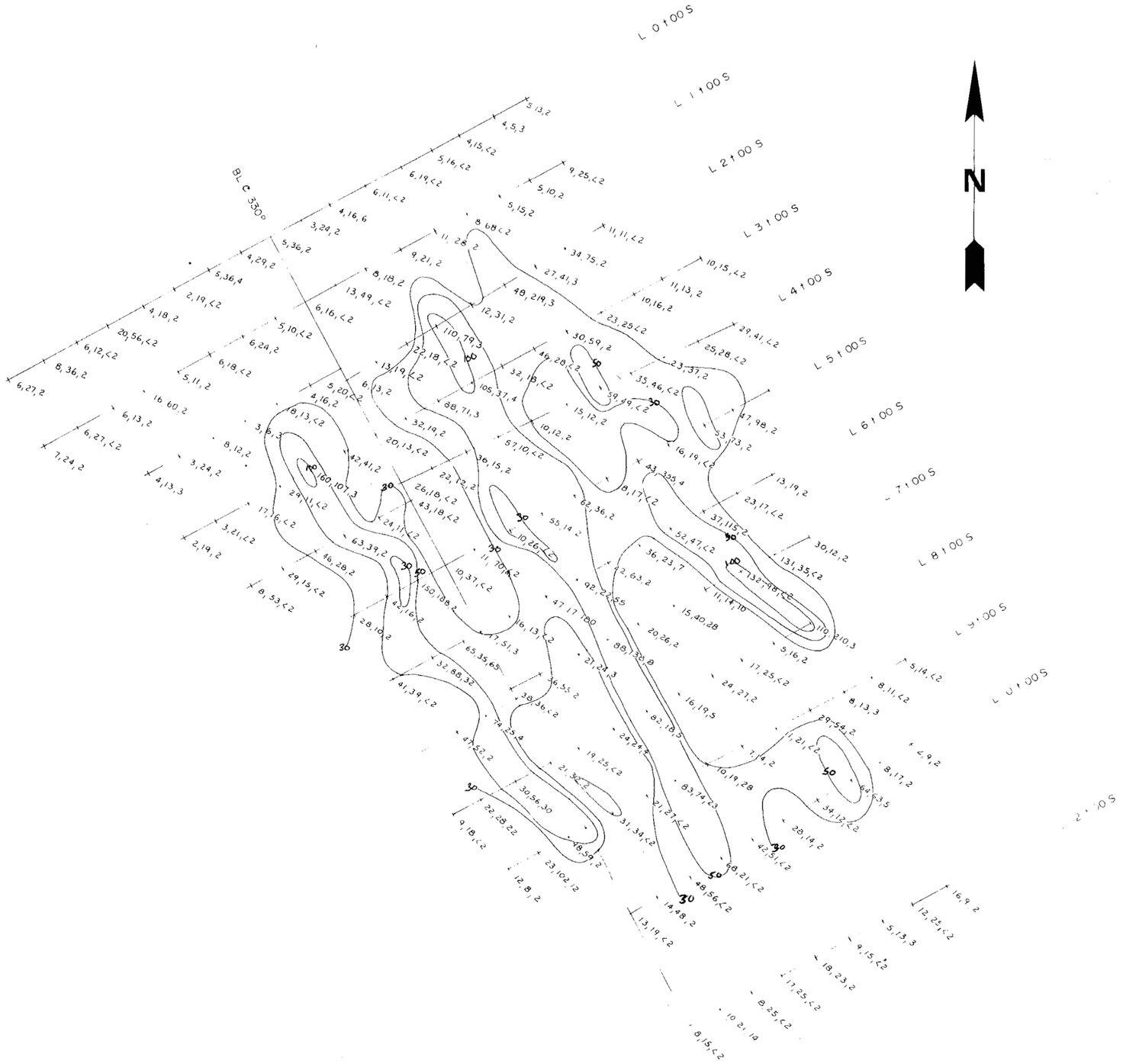

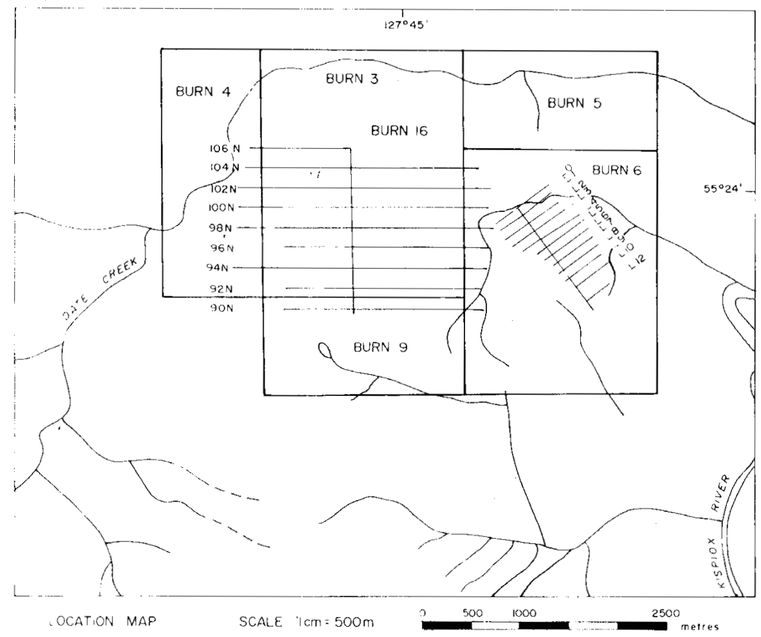

LEGEND

10,15,20 - Mo, Au, WO_2 ppm

Mo CONTOURS:

- > 30 ppm Mo
- > 50 ppm Mo
- > 100 ppm Mo

METERS

AMOCO CANADA PETROLEUM CO. LTD.

MINING DIVISION

BURN PROJECT

EASTERN INTRUSIVE GEOCHEMISTRY RESULTS

MOLYBDENUM

Drawn By	E.B. WYTRWAL	Scale	1cm = 50m
Date	JAN 1981	Project Nº.	79 - C - 004