

5389

92H/14W

A #5389

PROSPECTING REPORT

REGARDING THE

G.S. GROUP

CLAIMS - ROSSAN GROUP

49°55'N - 121°15'W

(NTS 92H/14)

92H/14W

(to accompany Application to Record Work)

by

P.J. Gannon, Geologist

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5389	MAP

August 8, 1974

TABLE OF CONTENTS

	Page
PROSPECTING REPORT	1-2
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	2-3
TABLE OF EXPENDITURES (with supporting documents)	4
ILLUSTRATIONS (IN POCKET):	
# 1 Compilation Map	

RE:

SPIUS PROPERTY, NTS 92H/14, 49°55'N - 121°15'W

The property was visited on July 9, 1974 by F.B. Whiting, P.J. Gannon and H.E. Sanders (cat operator) to set a work programme and to evaluate the geological setting.

The work was done between July 23 and July 30, 1974 consisting of 8,400 feet of road work and 6,300 feet of trenching using a TD25B Cat., (equivalent of a D-8) at a direct cost of \$2,944.

In accordance with Clause 5 of the Agreement dated May 10, 1974 between Brascan Resources Limited and John E. Nott and Clayton S. Powney, one year's rental and one year's assessment work has been recorded on 10 claims (\$2,000), that are part of a contiguous Group of 24 claims. The finished workings were inspected to the satisfaction of the Forest Ranger, and representatives of the Reclamation and Fish and Wildlife offices. Accordingly, all the work commitments by Brascan have been fulfilled; the next expiry dates are February 1975 on the G1 and G2 claim fractions (attached supporting data).

The road cuts and trenches adequately tested the alluvium covered area of interest, having a coincident magnetic high, I.P. low, copper over 500 ppm, and a molybdenum anomaly.

The information obtained showed that the predominant rock-unit is a pre-copper mineralization, foliated, coarse grained biotite granodiorite, mapped by the G.S.C. as the Eagle Granodiorite of Jurassic or later age. Intruding it are small, irregular, coarse grained, feldspar porphyry dikes. Overlying the Eagle Granodiorite and found predominantly to the northeast of the claim block (Gossan 7,8,9,14) is a hornblende, feldspar, dacite porphyry noted by its quartz eyes (quartz eye porphyry).

The better sulphide mineralization is associated to weak argillic alteration and minor and sporadic chlorite and is found in the quartz eye porphyry. It consists of

Cont/d.

pyrite blebs up to one inch found replacing the hornblende. This mineralization is genetically related and peripheral to that found in the Eagle Granodiorite. There is very minor oxidation and no leaching.

The core of the sulphide mineralization is in Gossan 1, Gossan 4 and the eastern half of Gossan 2 and Gossan 3, and found predominantly in Eagle Granodiorite. Although some feldspar porphyry dikes are mineralized, the amount and intensity of this mineralization is in no way different than that associated with the Eagle Granodiorite. Thus, there is no evidence that sulphide mineralization is genetically related or controlled by this younger intrusive as previously reported. The mineralization, found both in the Eagle Granodiorite and feldspar porphyry, consists of pyrite and an occasional speck of chalcopyrite either along fractures or as disseminations usually associated with biotite.

The better copper mineralization is intimately related to the occurrence of pink feldspar and quartz veining. A grab sample over a length of 50 feet, located in Gossan 4, in the best sulphide mineralization having a single one inch massive chalcopyrite bleb with pink feldspar and quartz veining assayed; Copper 490 ppm, molybdenum 4 ppm, silver 1.1 ppm, gold 5 ppb. The leaching of these sulphides is negligible and the oxidation minimal.

Within the Eagle Granodiorite there are small erratic zones where the biotite has been totally removed. This rock type displays pervasive recrystallization of the feldspars, silicification as well as secondary quartz, and physically resembles a graphic granite. Occasionally it has secondary biotite.

The better alteration found on both banks of the major drainage in Gossan 3 appears to be the graphic granite with an addition of muscovite. This rock is pegmatitic in appearance with large feldspars, large quartz eyes, and muscovite crystals up to 3 inches.

There is random minor unidirectional fracturing. The mesh of fractures common in porphyry coppers is not present.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The better copper sulphide mineralization is spotty, erratic, mainly chalcopyrite and intimately associated with pink feldspar and quartz veining.

Geologically the property has three excellent rock types common in porphyry copper deposits; granodiorite, feldspar porphyry, and quartz eye porphyry.

The better alteration is not necessarily associated with the better sulphide occurrences. There is secondary: muscovite, biotite, quartz and both types of feldspars. Silicification is weak to moderate, kaolinization is weak, chloritization is weak; all 3 alteration types are spotty and not always together. Overall there is not enough alteration and where it is pervasive there is not enough mineralization

I believe that the property has been thoroughly tested and that the evidence points out that the Spius Property does not warrant further company interest.



PATRICK J. GANNON

#5389

Page four

TABLE OF EXPENDITURES

1. Salaries:

Project Manager (July 9,10; August 3,4) 4 days @ \$200/day	\$ 800.00
Project Geologist (July 9,10, 22-30 incl.) 9 days @ \$150/day	1,350.00

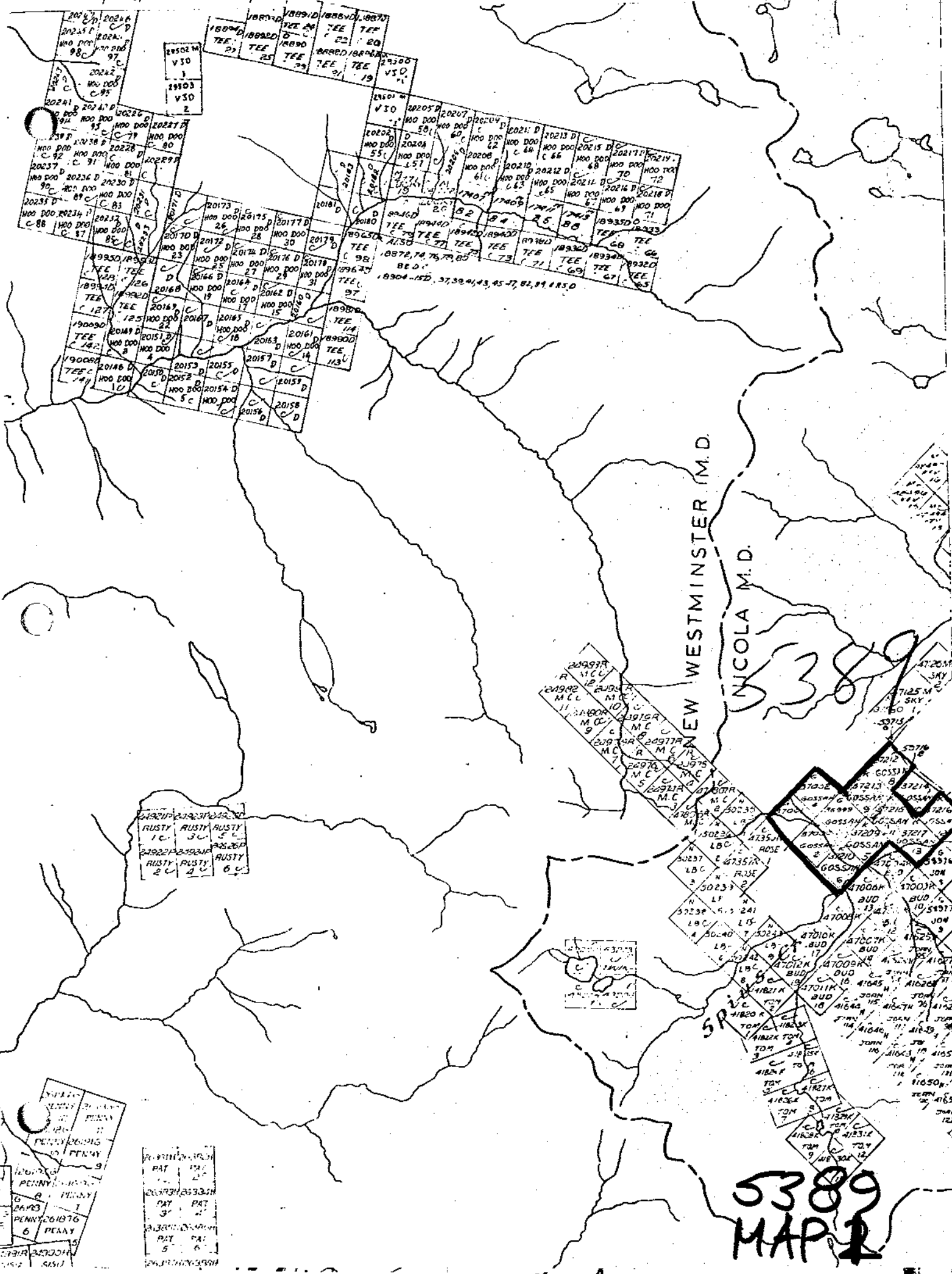
2. Travel Expenses:

Truck rental	454.80
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3. Room and Board:

13 man-days @ \$30 per man	<u>390.00</u>
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TOTAL	<u>\$ 2,994.80</u>
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Budget Rent a Truck

RENTAL AGREEMENT
Budget Rent-A-Truck System License

BUDGET RENT-A-TRUCK OFFICE

DIVISION OF SEAFUEL LEASING LTD.

HEREINAFTER REFERRED TO AS "BUDGET" AND "BUDGET RENT-A-CAR" AND "BUDGET RENT-A-TRUCK"

VANCOUVER DOWNTOWN 450 W. GEORGIA ST. 85-0536	NORTH VANCOUVER 1396 MARINE DR. 980-2674	NEW WESTMINSTER 101 - 12th ST. 522-4614	KINGSWAY 110 855 KINGSWAY 879-9331	RICHMOND 331A NO. 3 RD. 273-5508
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RENTER PATRICK SHANNON AGE 38
RESIDENCE 502-1155 W. PANDER
CITY VANCOUVER **STATE** BC **PHONE NO.** 685-6488
LICENSE No. 1650894
STATE BC **EXPIRATION** 1/76
COMPANY BRASCA RISE SOURCES LTD
ADDRESS 502-1155 W. PANDER
CITY VANCOUVER **STATE** BC **PHONE No.**
NEW ADDRESS
DEPOSIT \$ BILCO 1006
ADVANCE DEPOSIT/RECEIPT NO. #B 157
EXTEND TO 11
ADDRESS FOR MAILING REFUND
CITY **STATE** **PHONE No.**
ADDITIONAL DRIVER NONE
ADDRESS
LICENSE No. **EXPIRATION**
RENTER TO BE ONLY AUTHORIZED DRIVER
Patrick J. Shannon
IN THE VEHICLE HEREIN DESCRIBED MUST NOT BE USED, OPERATED OR DRIVEN, OR NOR DOES BUDGET GIVE ITS CONSENT, EXPRESSED OR IMPLIED, TO THE T VEHICLE BEING USED, OPERATED OR DRIVEN BY ANY PERSON OTHER THAN E THE RENTER OR SUCH OTHER DRIVER(S) AS HEREIN SPECIFICALLY NAMED.
FULL COLLISION COVERAGE \$250.00
PROPERTY DAMAGE \$250.00
LIABILITY CAR AND CHASSIS ONLY \$250.00
CUSTOMER SIGNATURE *Patrick J. Shannon*
DUE BACK BY 22 DAY OF JULY 1974
AT ADDRESS 855 KINGSWAY
STATE BC **CITY** VANCOUVER
I AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ON BOTH SIDES OF THIS RENTAL AGREEMENT AND TO RETURN VEHICLE TO BUDGET ON, OR BEFORE DUE BACK DATE AND AT PLACE SPECIFIED.
RENTER'S SIGNATURE *Patrick J. Shannon*
SIGNATURE AUTHORIZED BUDGET REPRESENTATIVE

REPLACEMENT TRUCK **ORIGINAL TRUCK**
TRUCK NO. T 95
LICENSE No. 694-063
MAKE 4x4
TIME IN 5:53
TIME OUT 7:08
MILEAGE IN 0876
MILEAGE OUT 5978
MILES DRIVEN 898
MILEAGE RATE 8.98
DOES NOT INCLUDE GASOLINE 4
TOWED VEHICLES ARE NOT COVERED BY BUDGET INSURANCE
SEE ITEMS 3F & 3G ON REVERSE SIDE HEREOF.
REMARKS CUSTOMER RESPONSIBLE FOR ANY OFF HIGHWAY DAMAGE
REPAIRED WHEEL
RETURNED AT:
CALLED IN BY:
CONTRACT CLOSED BY:
REFUNDED 1008
CHARGED 1120
PAID 1009
SUB TOTAL 8670
LESS REFUND FOR GAS 500
SUB TOTAL 8170
SALES TAX 5% 10.08
GAS Full
TOTAL CHARGE 21178
LESS DEPOSITS
NET DUE BUDGET 8004
NET DUE RENTER
INITIAL
MAIL REFUND 2100
T-K 09410

AUG 6 1974

BUDGET RENT-A-TRUCK

DIVISION OF SEAGULL LEASING LTD.

ORIGINATOR REFERRED TO AS "BUDGET" AND "BUDGET RENT-A-CAR" AND "BUDGET RENT-A-TRUCK"

TRUCK

AL AGREEMENT

AL-A-Car Systems Licensee

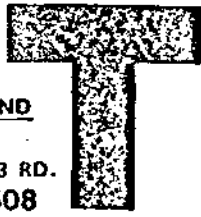
VANCOUVER DOWNTOWN
450 W. GEORGIA ST.
685-0536

NORTH VANCOUVER
1396 MARINE DR.
980-2674

NEW WESTMINSTER
101 - 12th ST.
522-4614

KINGSWAY
855 KINGSWAY
879-9331

RICHMOND
331A NO. 3 RD.
273-5508



SPURS 815

EXP. DATE

- AMEX
- BUDGET
- CARTE B
- DINERS
- ACN
- M/CHG
- CHARGE X
- OTHER

REPLACEMENT TRUCK		ORIGINAL TRUCK	
TRUCK NO.		TRUCK No.	95
LICENSE No.		LICENSE No.	694-062
MAKE		MAKE	4x4. P0
TIME IN		TIME IN	
TIME OUT		TIME OUT	7:05 JUL 23
MILEAGE IN		MILEAGE IN	7900
MILEAGE OUT		MILEAGE OUT	7073
MILES DRIVEN		MILES DRIVEN	827

IDENTIFIED BY: **JOHN GANNON** (AGE 38)
 ADDRESS: **502/1155 W Pender**
 CITY: **Van** STATE: **BC** PHONE NO.:
 LICENSE No.: **1650894** EXPIRATION: **76**

EMPLOYER: **BRASS CAN RESOURCES LTD.**
 ADDRESS: **502/1155 W Pender**
 CITY: **Van** STATE: **BC** PHONE No.: **685-6488**

POST OFFICE ADDRESS: **Bell Co 1006 B. 157**

SECURITY DEPOSIT/RECEIPT NO. \$
 RETURN ADDRESS FOR MAILING REFUND: STATE PHONE No.

ADDITIONAL DRIVER: **all authorized & licensed**
 LICENSE No.: **Employee one 25-400** EXPIRATION:
 DRIVER TO BE ONLY AUTHORIZED DRIVER
John Gannon

THE VEHICLE HEREBY DESCRIBED MUST NOT BE USED, OPERATED OR DRIVEN, NOR DOES BUDGET GIVE ITS CONSENT, EXPRESSED OR IMPLIED, TO THE VEHICLE BEING USED, OPERATED OR DRIVEN BY ANY PERSON OTHER THAN THE RENTER OR SUCH OTHER PERSONS AS HEREIN SPECIFICALLY NAMED.

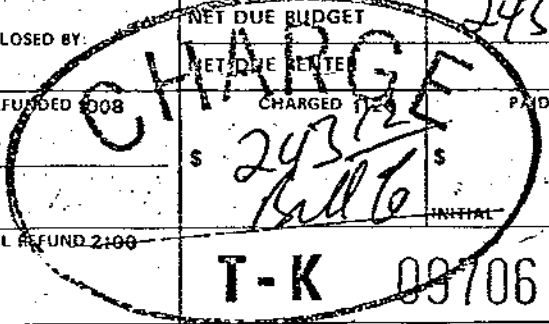
COLLISION COVERAGE BY SIGNING, CUSTOMER AGREES TO PAY BUDGET FOR ALL LOSS OR DAMAGE TO VEHICLE REGARDLESS OF NEGLIGENCE LIMITED, HOWEVER TO \$250 PER ACCIDENT PROVIDED VEHICLE IS OPERATED OR USED IN CONFORMANCE WITH RENTAL AGREEMENT.	\$250.00 LIABILITY BY SIGNING, CUSTOMER AGREES TO PAY BUDGET FOR ALL LOSS OR DAMAGE TO VEHICLE REGARDLESS OF NEGLIGENCE LIMITED, HOWEVER TO \$250 PER ACCIDENT PROVIDED VEHICLE IS OPERATED OR USED IN CONFORMANCE WITH RENTAL AGREEMENT.	\$250.00 LIABILITY CAB AND CHASSIS ONLY BY SIGNING, CUSTOMER AGREES TO PAY BUDGET FOR ALL LOSS OR DAMAGE TO CAB AND CHASSIS REGARDLESS OF NEGLIGENCE, LIMITED HOWEVER TO \$250 PER ACCIDENT PROVIDED VEHICLE IS OPERATED OR USED IN CONFORMANCE WITH RENTAL AGREEMENT. DAMAGE TO VAN NOT INCLUDED IN THIS AGREEMENT. RENTER IS RESPONSIBLE FOR ANY AND ALL IN-VEHICLE DAMAGE NOT OTHERWISE CAUSED. IF DAMAGE OF \$250 PER DAY IS PAID CAB AND CHASSIS LIABILITY OF \$250.00 ONLY APPLIES.
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CUSTOMER SIGNATURE: *John Gannon*
 DATE BACK BY: **5** AM PM DAY OF **Aug 74**
 ADDRESS: **855 Kingsway Van**

I AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ON BOTH SIDES OF THIS RENTAL AGREEMENT AND TO RETURN VEHICLE TO BUDGET ON OR BEFORE DUE BACK DATE AND AT PLACE SPECIFIED.
 RENTER'S SIGNATURE: *John Gannon*
 SIGNATURE AUTHORIZED BUDGET REPRESENTATIVE: *R. Smith*

MILEAGE RATE DOES NOT INCLUDE GASOLINE	MILES @ 15	124.31	3430
TOWED VEHICLES ARE NOT COVERED BY BUDGET INSURANCE. SEE ITEMS 3F & 18 ON REVERSE SIDE HEREOF.	DAYS @ 45.00	15.00	3030
	HOURS @ \$		3030
	WEEKS @ \$	90.00	3030
			3030
REMARKS	TOTAL TIME AND MILEAGE CHARGES	229.35	
	COLLISION PROTECTION		3032
	SUB TOTAL		
	LESS REFUND FOR		
	SUB TOTAL		
	DOLLY		3825
	BLANKETS		3025
	DROP		5026
	TAILGATE		3025
	OTHER		
	OTHER		
	SUB TOTAL	229.35	
	SALES TAX 5%	11.47	2407
	GAS 3.3	2.30	5000
RETURNED AT:	TOTAL CHARGE	243.12	
CALLED IN BY:	LESS DEPOSITS		1006
CONTRACT CLOSED BY:	NET DUE BUDGET	243.12	
REFUNDED \$008	NET DUE RENTER		
	CHARGED \$	243.12	
	PAID \$1009		
	INITIAL		
	MAIL REFUND 2:00		
	T-K	09706	

Spurs



AUG 1 1974 In Account With

H. E. SANDERS LTD.

LOGGING CONSTRUCTION

Box 80 - Lower Nicola, B.C.

M Patrick J. Gannon
 Brascan Resources Ltd.

SPURS - 304

TD 25B Tractor Rental - July 1974

Spurs Creek Project
 N.T.S. 92H14, 49° 55' N -- 121° 15' W.
 Nicola Mining Division

Tues.	July 23	Walk in cat	5 hrs.
Wed.	" 24	Repair road	5 hrs.
Thurs.	" 25	Trenching	10 hrs.
Fri.	" 26	" "	10 hrs.
Sat.	" 27	" "	10 hrs.
Mon.	" 29	" "	9 hrs.
Tues.	" 30	" "	5 hrs.

54 hrs. @ \$46.00/hr. \$2,484.00
 One-way hauling charge 100.00
\$2,584.00

AUG 1 1974 In Account With

H. E. SANDERS LTD.

LOGGING CONSTRUCTION

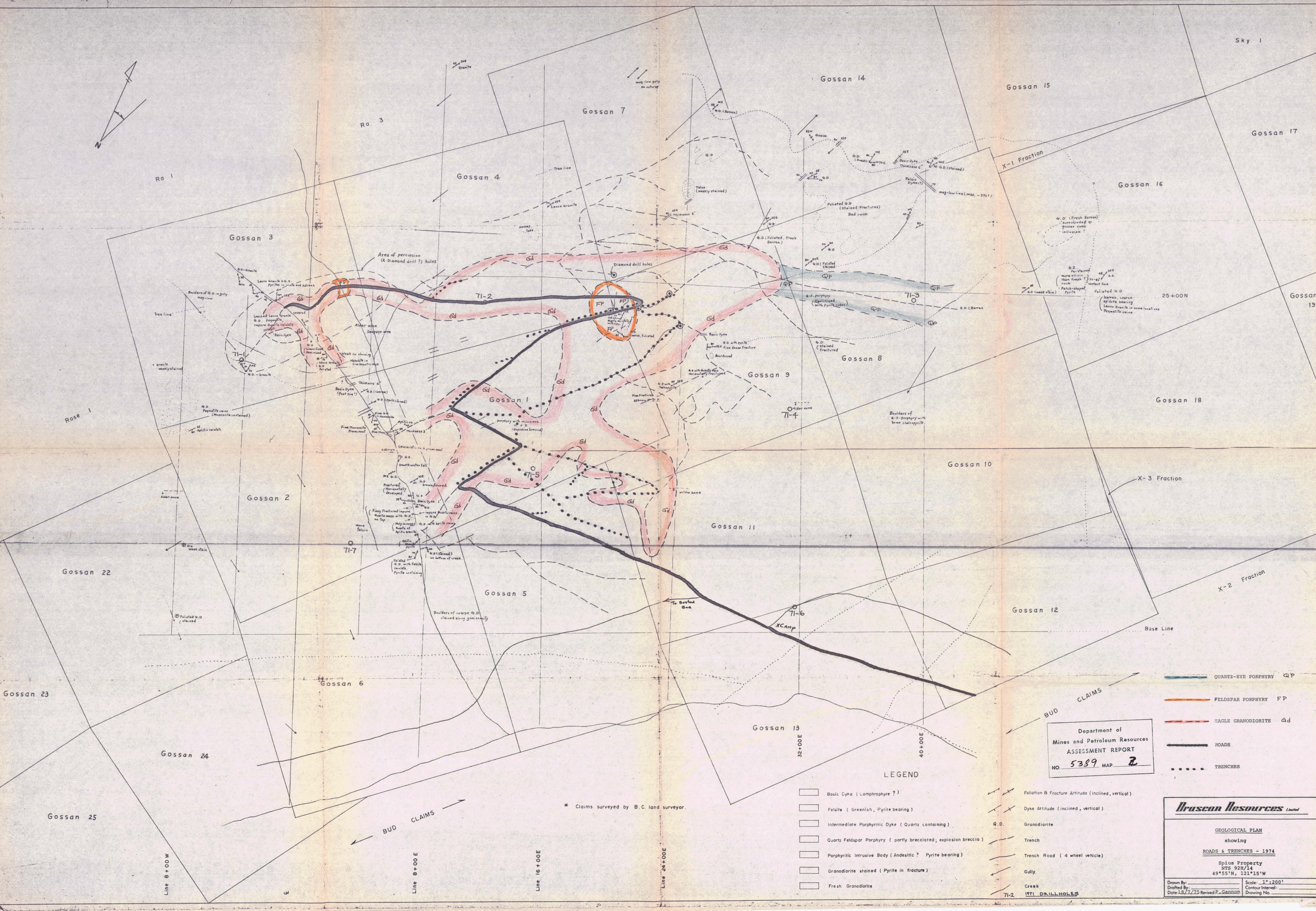
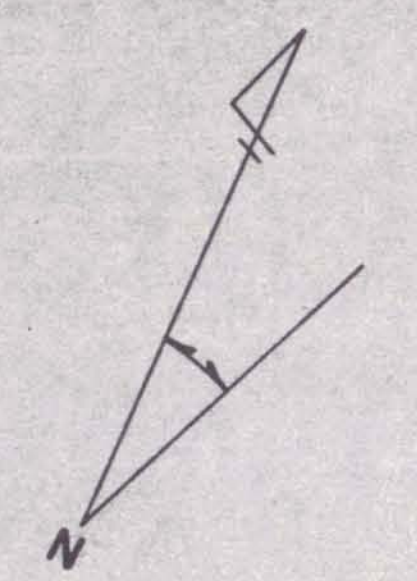
Box 80 - Lower Nicola, B.C.

M Patrick J. Gannon
 Brascan Resources Ltd.

Spurs Creek Project
 N.T.S. 92H14, 49° 55' N -- 121° 15' W.
 Nicola Mining Division

July 1974
 To supply labour -

6 days @ \$50.00/day	\$300.00
+ 20% for workmen's benefits	\$60.00
	<u>\$360.00</u>



QUARTZ-EYE PORPHYRY QP
 FELDSPAR PORPHYRY FP
 EAGLE GRANODIORITE Gd
 ROADS
 TRENCHES

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5389 MAP 2

LEGEND
 Basic Dyke (Lamprophyre ?)
 Felsite (Greenish, Pyrite bearing)
 Intermediate Porphyritic Dyke (Quartz containing)
 Quartz Feldspar Porphyry (partly brecciated; explosion breccia)
 Porphyritic Intrusive Body (Andesitic? Pyrite bearing)
 Granodiorite stained (Pyrite in fracture)
 Fresh Granodiorite
 Foliation B Fracture Attitude (inclined, vertical)
 Dyke Attitude (inclined, vertical)
 G.D. Granodiorite
 Trench
 Trench Road (4 wheel vehicle)
 Gully
 Creek
 1971 DRILL HOLES

* Claims surveyed by B.C. land surveyor.

Muscov Resources Limited
GEOLOGICAL PLAN
 showing
 ROADS & TRENCHES - 1974
 Spius Property
 NTS 92H/14
 49°55'N, 121°15'W
 Drawn By: _____ Scale: 1"=200'
 Drafted By: _____ Contour Interval: _____
 Date 18/7/75 Revised E. Gannon Drawing No. _____