

5865

REPORT ON

PROSPECTING & GEOLOGICAL RECONNAISSANCE

LANG # 16 - 21 GROUP OF MINERAL CLAIMS

MARSHALL CREEK AREA, BRITISH COLUMBIA

N.T.S. AREA 92 J 16

50° 55' N. LATITUDE, 122° 29' W. LONGITUDE

CONDUCTED BY: WOLLEX EXPLORATION LTD.

APRIL, 1976

FOR: COMAPLEX RESOURCES INTERNATIONAL LTD. (N.P.L.)

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5865 MAP.....

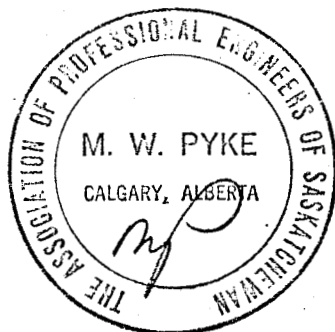
M. Pyke
W. James

C E R T I F I C A T E

I, MURRAY W. PYKE, of the City of Calgary, in the Province of Alberta, certify as follows:

1. that I am a geologist residing at 401 Woodland Crescent S.E., Calgary, Alberta.
2. that I have practiced my profession continuously since being graduated in Geology, from the University of Saskatchewan, Saskatoon Campus, in the Province of Saskatchewan, B.A., 1955, M.A., 1958.
3. that I am registered as a Professional Engineer in the Province of Saskatchewan.
4. that I have continuously worked in geological and mining exploration for the past seventeen years.

DATED AT CALGARY, ALBERTA THIS 2ND DAY OF MAY, 1976



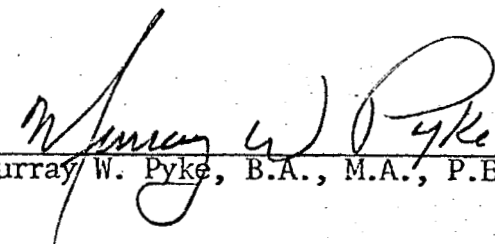

Murray W. Pyke, B.A., M.A., P.Eng.

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CLAIM AREA MAP # 2

GEOLOGICAL MAP # 3

Figure 1

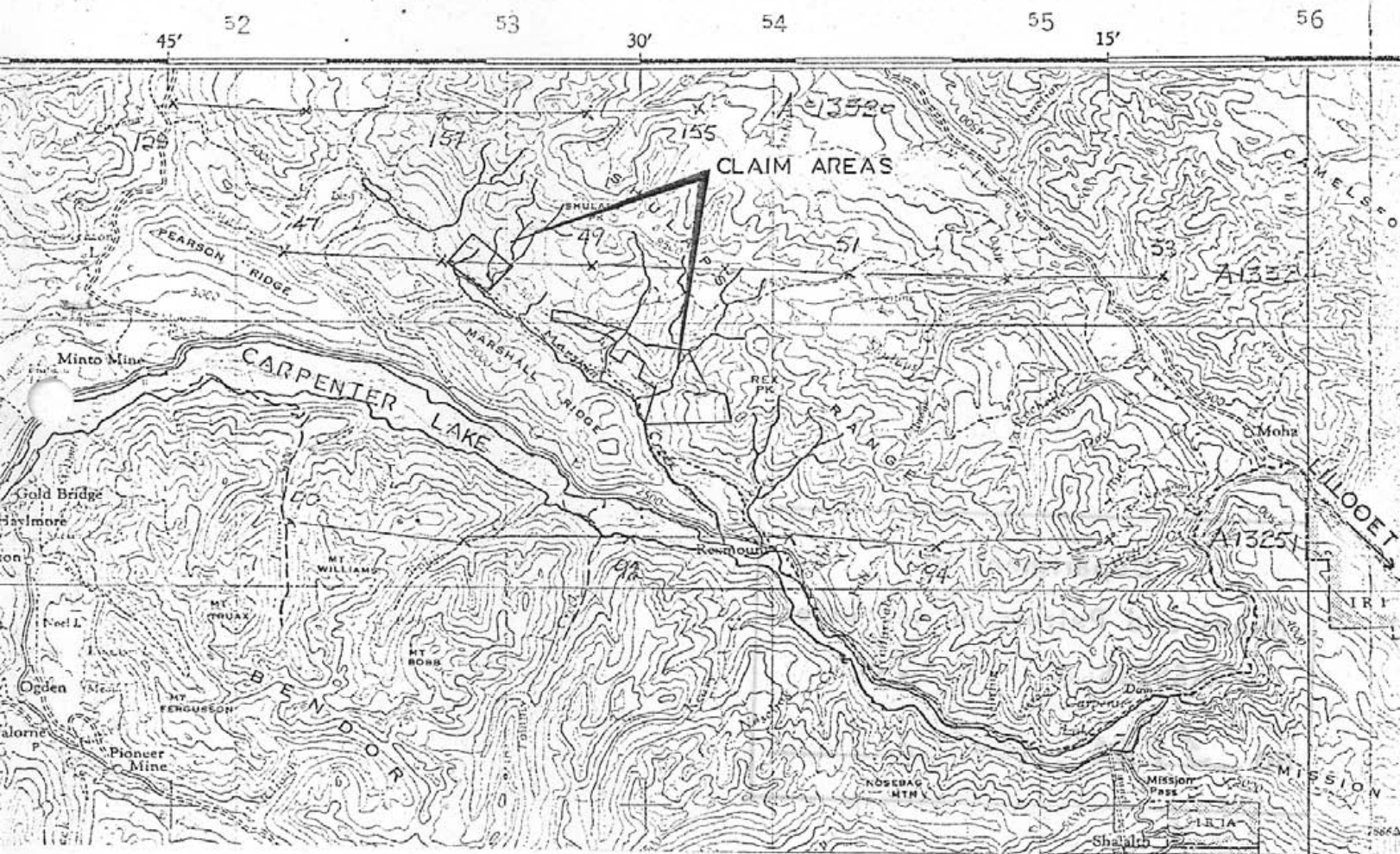
COMAPLEX RESOURCES INTERNATIONAL LTD. (N.P.L.)

LOCATION MAP
of
CLAIM AREAS

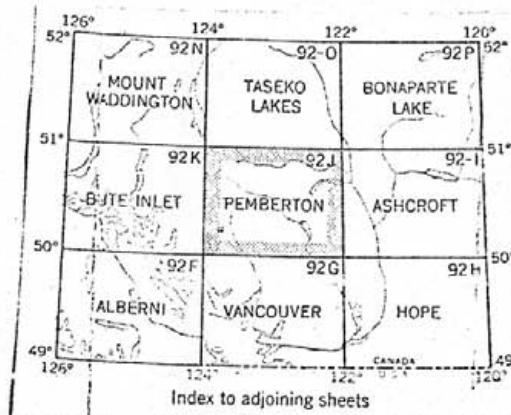
N.T.S. 92J N.E.

MARSHALL CREEK

SCALE 1 Inch = 4 Miles



INDEX MAP



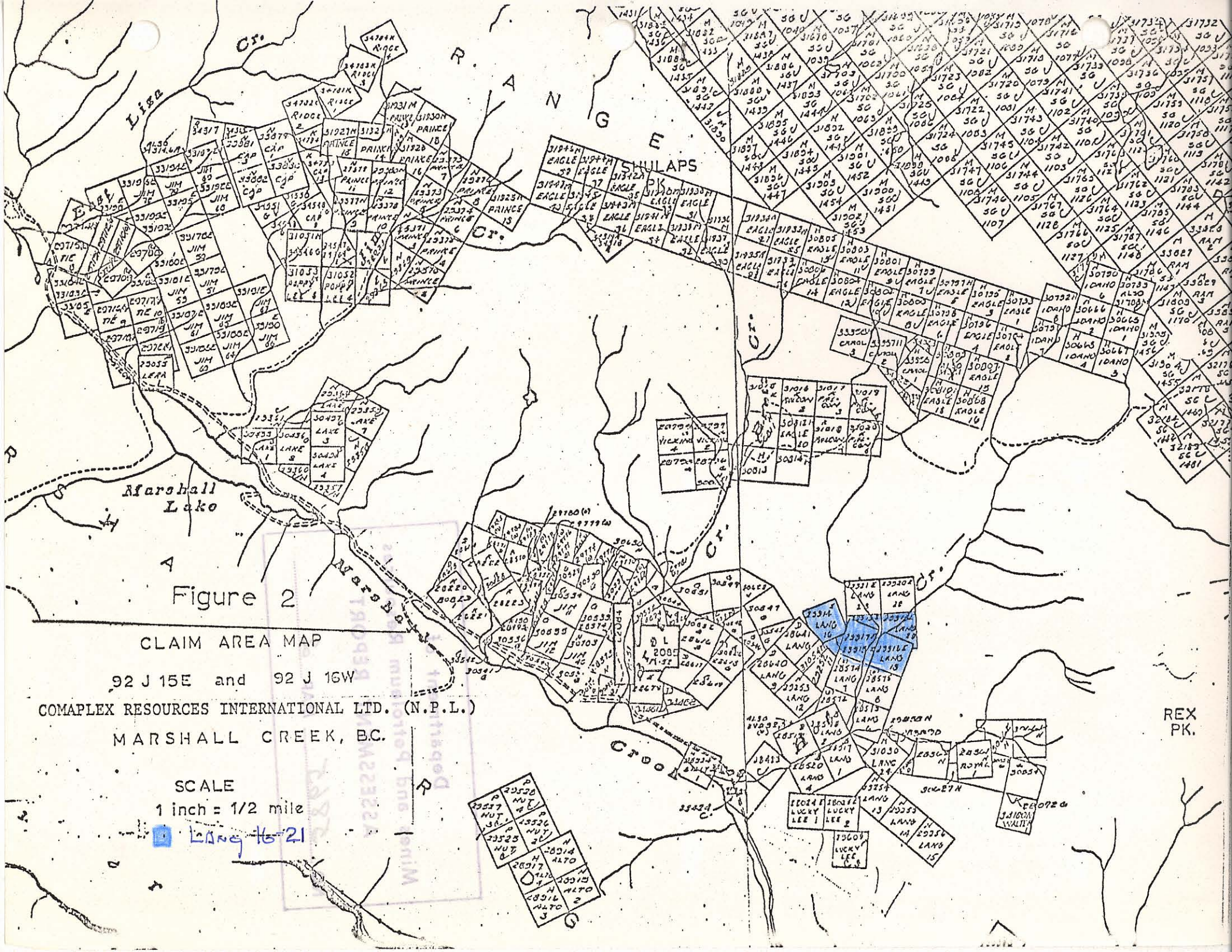


Figure 2

CLAIM AREA MAP

92 J 15E and 92 J 16W

COMPLEX RESOURCES INTERNATIONAL LTD. (N.P.L.)

MARSHALL CREEK, B.C.

SCALE

1 inch = 1/2 mile

Lang 16-21

P 23530
 P 23537
 P 23538
 P 23539
 P 23540
 P 23541
 P 23542
 P 23543
 P 23544
 P 23545
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 P 23599
 P 23600

REX PK.

REPORT ON
PROSPECTING & GEOLOGICAL RECONNAISSANCE
LANG # 16 - 21 GROUP OF MINERAL CLAIMS
MARSHALL CREEK AREA, BRITISH COLUMBIA
N.T.S. AREA 92 J 16
50° 55' N. LATITUDE, 122° 29' W. LONGITUDE

INTRODUCTION

During the period April 26 to April 29, 1976, a reconnaissance geological mapping and prospecting program was conducted by Wollex Exploration Ltd., on the Lang #16 - 21 mineral claims in the Marshall Creek Area of British Columbia, at the request of Comaplex Resources International Ltd. (N.P.L.).

The objective of the program was to outline any ultrabasic serpentinite bodies which might be potential host of nephrite lode jade deposits.

Two days were spent on the property by Mr. E. Meyers, and four days by Mr. E. W. James.

CONCLUSIONS

Three ultrabasic zones were outlined (See Map #1). All are intrusive (peridotite?) sills, highly sheared and altered to serpentinite.

Zone A is partially exposed over a surface width in excess of 400 feet, and in one exposure shows local alteration to nephrite in association with talc-chlorite schist.

Zones B and C are not well exposed and are probably less than 100 feet in width. No direct evidence of nephrite development was noted.

RECOMMENDATIONS

A grid of magnetic profiles should be surveyed (perhaps 50 foot stations with 400 foot line spacings) with a north/south orientation to delineate the eastward extension of ultrabasic Zones A and B across Lang 16 and 17 claims and into Lang 20 and 21.

Reconnaissance magnetic profiles should also be surveyed on the Lang 18 and 20 claims to determine the existence of any ultrabasic zones east of Hog Creek.

Dependent upon the results of the magnetometer survey, trenches should be cut across Zones A and B at several locations along their extension to examine the serpentinite for development of nephrite zones.

Tractor trenching of Zone C would require construction of a new road, which might be feasible if other ultrabasic zones are indicated on Lang 18 and 20 claims. Further prospecting and hand trenching would otherwise be recommended.

LOCATION AND ACCESS

The Marshall Creek property is located 50 miles west-northwest of Lillooet, British Columbia (Figure 1). Access to the property is via 45 miles of all-weather gravelled road between Lillooet and Bralorne, then 5 miles of the Marshall Lake Road.

The Lang #16 - 21 claims are accessible from the Comaplex camp on Brett Creek by a steep switchback road passable to 4-wheel drive vehicles.

PROPERTY DESCRIPTION

The group of six mineral claims examined consist of Lang #16 - 21 (Record Nos. 29914 - 29919) as shown on Map 92 J 16W (M) in the Lillooet Mining Division (Figure 2.)

The subject claims are part of a group of 76 contiguous claims located by International Jade Ltd. in 1968, and transferred to Comaplex Resources International Ltd. (N.P.L.) of Calgary, Alberta, under the terms of a Memorandum of Agreement dated September 30, 1972.

REGIONAL GEOLOGY

The Marshall Creek property of Comaplex Resources International Ltd. (N.P.L.) is located on the south flank of the Shulaps Mountain Range. The area lies about 10 miles east of the Main Coast Range Batholith.

Most of the northern portion of the Shulaps range is underlain by an ultrabasic intrusive mass of probably Upper Triassic age. The southern portion is comprised of a sequence of complexly folded and faulted sedimentary and volcanic strata which range from Upper Cretaceous to Upper Triassic age. The sequence is cut by late Mesozoic or Tertiary hypabyssal intrusives and has been metamorphosed to the Greenschist facies with varying degrees of dynamic alteration.

These rocks exhibit complex folding, and form part of a regional anticline plunging gently northwestward.

A more detailed description is included in a previous report on the property (Pyke & LaBine, 1973).

LOCAL GEOLOGY (See Map #A)

The major rock-type underlying the claims is argillaceous shale; generally a dark grey or black fine-grained fissile shale variably arenaceous or with thin sand interbeds, and locally calcareous. Near intrusives, the unit becomes chloritized, sub-phyllitic with the sand stringers grading to chert. The peaks adjoining the claims to the north are composed of dacite porphyry.

The sedimentary rocks are cut conformably by ultrabasic intrusives as exposed in outcrops and by an old road cut on Lang #16 and 17; and a steep face at the southeast corner of Lang #18. Smaller intermediate to basic sills or flows occur in middle of the claim group, and one acidic sill or flow is poorly exposed.

The general structure of the area is defined by bedding and foliation in the argillites and by foliation of the ultrabasic units, all of which trend within 10° of east/west and dip steeply to the north.

Minor "Z" and "M" folds in altered argillite on Lang #20 may indicate recumbent folding, or may be drag folds resulting from local shearing or intrusion.

Strong shearing as noted in serpentinites, and as indicated by topography, occurs in easterly and northeasterly directions.

Three main ultrabasic units were located. All are very fine-grained dense black peridotite (?) which has been highly sheared and almost wholly metamorphosed to serpentinite with local alteration to talc-chlorite schist.

Ultrabasic Zone A (Map #1) is exposed in several outcrops and old road cuts over a surface width in excess of 400 feet, and may be a single intrusive unit. It is highly altered to serpentinite by shearing along the easterly structural grain and by narrow, intense vertical shears with a northeast trend. Several talc-chlorite schist zones occur within the unit, and several pieces grading to poor quality sheared nephrite were found in the road bed material.

Ultrabasic Zone B is exposed over nearly 100 feet of width in outcrop and outcrop rubble. It appears to be conformable and probably a peridotite sill, although no contact is exposed. It is highly sheared and serpentinized, but no evidence of nephrite alteration is exposed.

Zone C occurs on a steep face perhaps 400 or 500 feet above the east boundary of Lang #18. It intrudes the argillite conformably and may have a true width of 50 feet.

REFERENCES

- Pyke, M.W., and LaBine, G.O., 1975; Report on Investigations Conducted on the International Jade Property, Marshall Creek Area, B.C.
- Saunders, C.R., 1969, Marshall Creek Jade Deposit, B.C. Department of Mines and Petroleum Resources.

INVOICE

WOLLEX EXPLORATION LTD.

XXXXXXXXXXXXXXXXXXXX
 XXX 500 Dentall Building
 XXX 715 5th Avenue S.W.
 XXX CALGARY, ALBERTA
 XXX T2P ON2
 XXXXXXXXXXXXXXXXXXXX

810 Norcen Tower
 715 - 5th Avenue S.W.
 CALGARY, Alberta
 T2P ON2

Telephone 265-2846
 Area Code 403

COMAPLEX RESOURCES INTERNATIONAL LTD. (N.P.L.)
 810 Norcen Tower
 715 - 5th Avenue S.W.
 CALGARY, Alberta
 T2P ON2

No. 5-9
 Date May 27, 1976
 File: 3.120.B
 Int'l Jade

Re: RECONNAISSANCE GEOLOGY - Marshall Creek, B.C.
Lang 16-21

PROFESSIONAL SERVICES

Eugene P. Meyers, P.Geol.

April 25-29, 1976
 4 days @ \$250.00 per day \$1,000.00

William James

April 24-30, 1976
 8 days @ \$125.00 per day 1,000.00

TRANSPORATION

1150 miles - Calgary-Marshall Creek-return
 @ \$.20 per miles 230.00

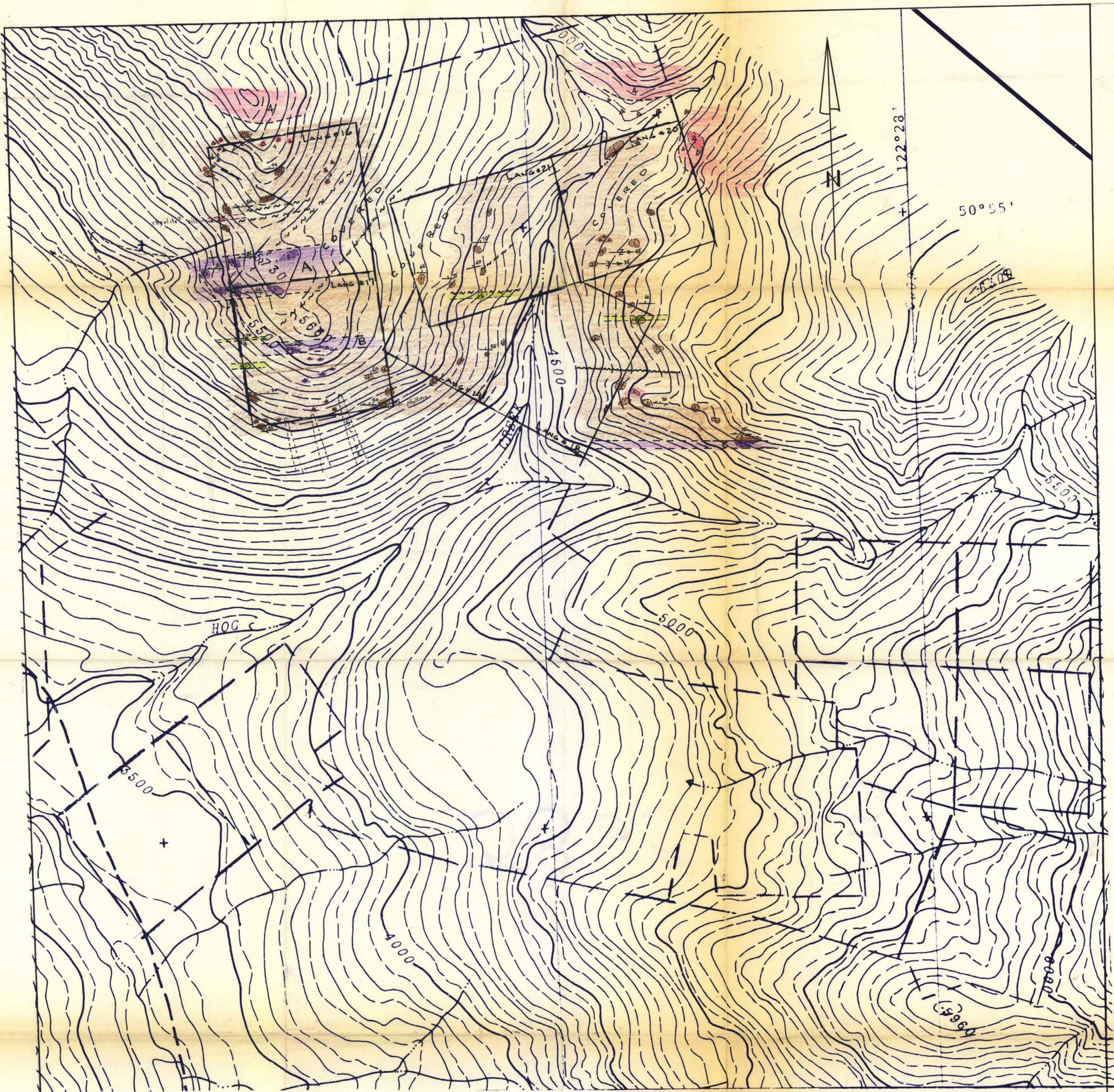
LODGING 35.00

FUEL 109.75

FOOD
 22 man days @ \$10.00 per day 220.00

EQUIPMENT RENTAL 30.00

TOTAL AMOUNT OF THIS INVOICE \$2,624.75



LEGEND

- 1 ARGILLITE black, often thin bedded
cherty interbeds. Green;
phyllite near intrusives
- 2 ULTRABASIC peridotite; intrusive;
highly sheared, serpentinized
- 3 BASIC to INTERMEDIATE intrusive
generally massive andesitic sills
lt to med. green in colour
- 4 DACITE massive porphyritic
lt grey in colour
- ATTITUDE foliation; bedding
- CONTACT defined; assumed
- FAULT defined; assumed
- Rock Exposure outcrop, float

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SCALE: 1" = 500 feet (152 metres)

MAP # 1

GEOLOGICAL RECONNAISSANCE
LANG # 16-21 MINERAL CLAIMS
MARSHALL CREEK AREA, B.C.

M-3

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5865 MAP 3