

A Report On
GEOLOGICAL MAPPING

Of The

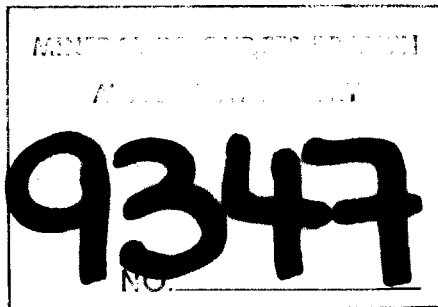
JACKPOT #1172 & JACKPOT FR #1185

SLOCAN MINING DIVISION

NTS - 82FR/10W

LAT - 49°44'

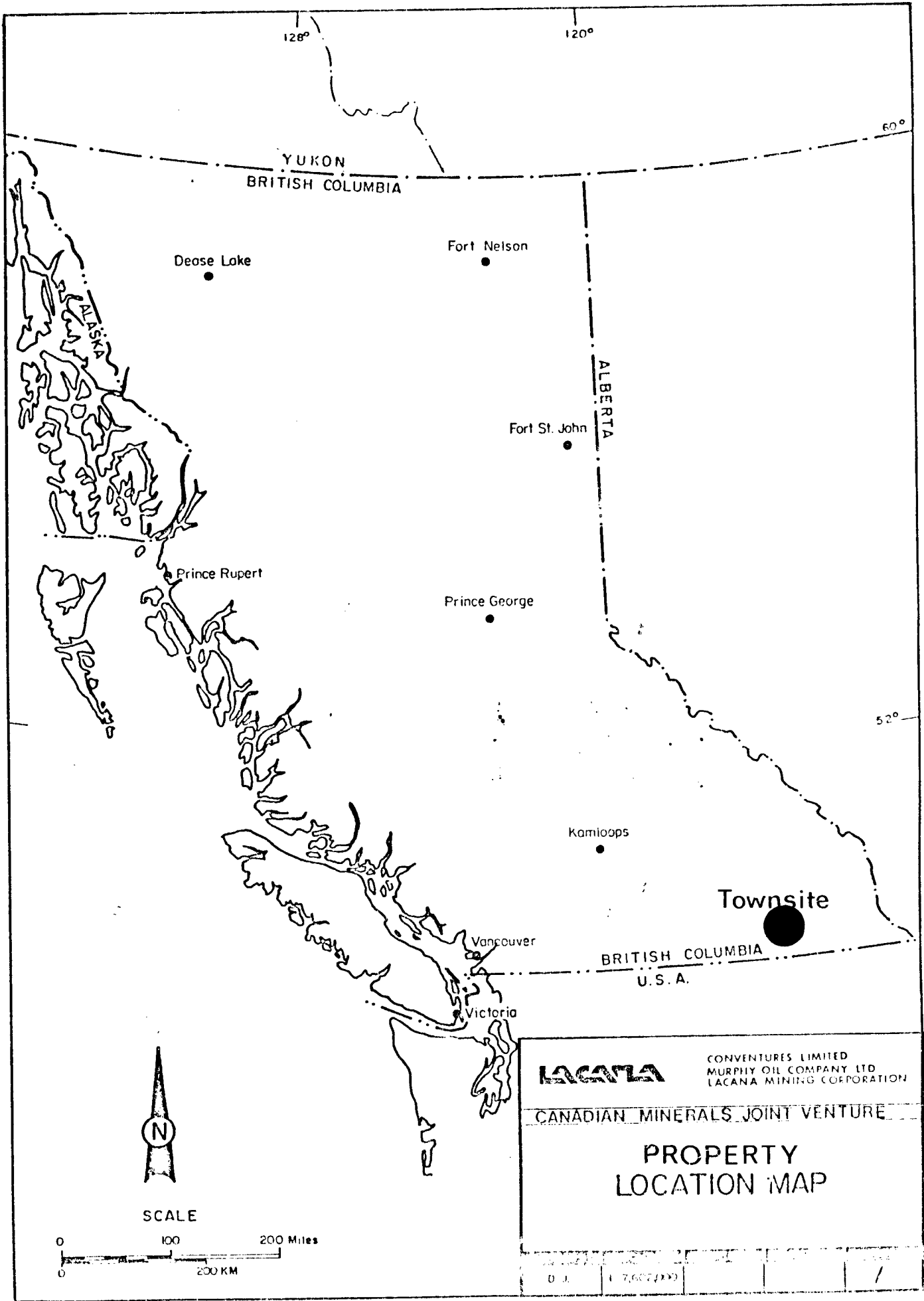
LONG - 117°12'



Owner and Operator: D. Currie

Authors: D. Currie and S.C. Gower

Date: May 21, 1981



128°

120°

60°

YUKON
BRITISH COLUMBIA

Dease Lake

Fort Nelson

ALASKA

ALBERTA

Fort St. John

Prince Rupert

Prince George

52°

Kamloops

Townsite

Vancouver

BRITISH COLUMBIA
U.S.A.

Victoria

LACANA

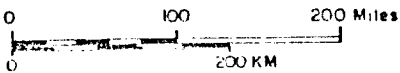
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

**PROPERTY
LOCATION MAP**



SCALE



0	100	200 Miles
0	200 KM	
0	17,607,000	

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SUMMARY

The claims overlie two previous mineral workings the Jackpot and Townsite adits. Production from these workings was achieved by the Yale Company during 1952-53. The property is presently held by D. Currie of Ainsworth B.C. and was examined and mapped during 1980 by S.C. Gower and Lacana Mining Corporation.

CONCLUSIONS

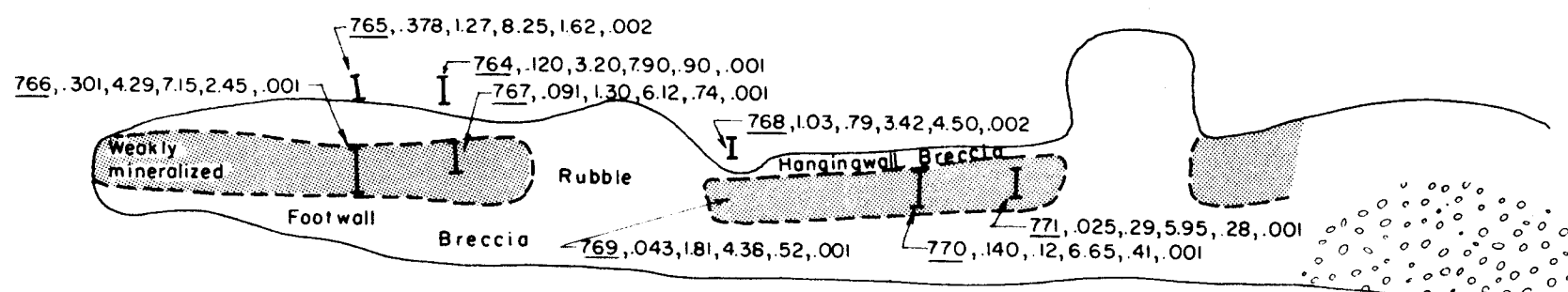
Significant values of lead and zinc are still present over 1 metre thicknesses in the Jackpot workings, however silver values are generally less than 2 oz/ton. A stratibound seam of massive pyrite with minor sphalerite and chalcopyrite is present in the Townsite workings which contain approximately 3 oz/ton Ag. If silver values exceed \$25.00 per/oz the remaining mineralization may become economic. Significant pods of massive galena may still exist at depth in the vein system then could be discovered by diamond drilling.

RECOMMENDATIONS

The property should be retained and if metal prices improve diamond drilling should be utilized to test the vein structure down dip of the old workings.

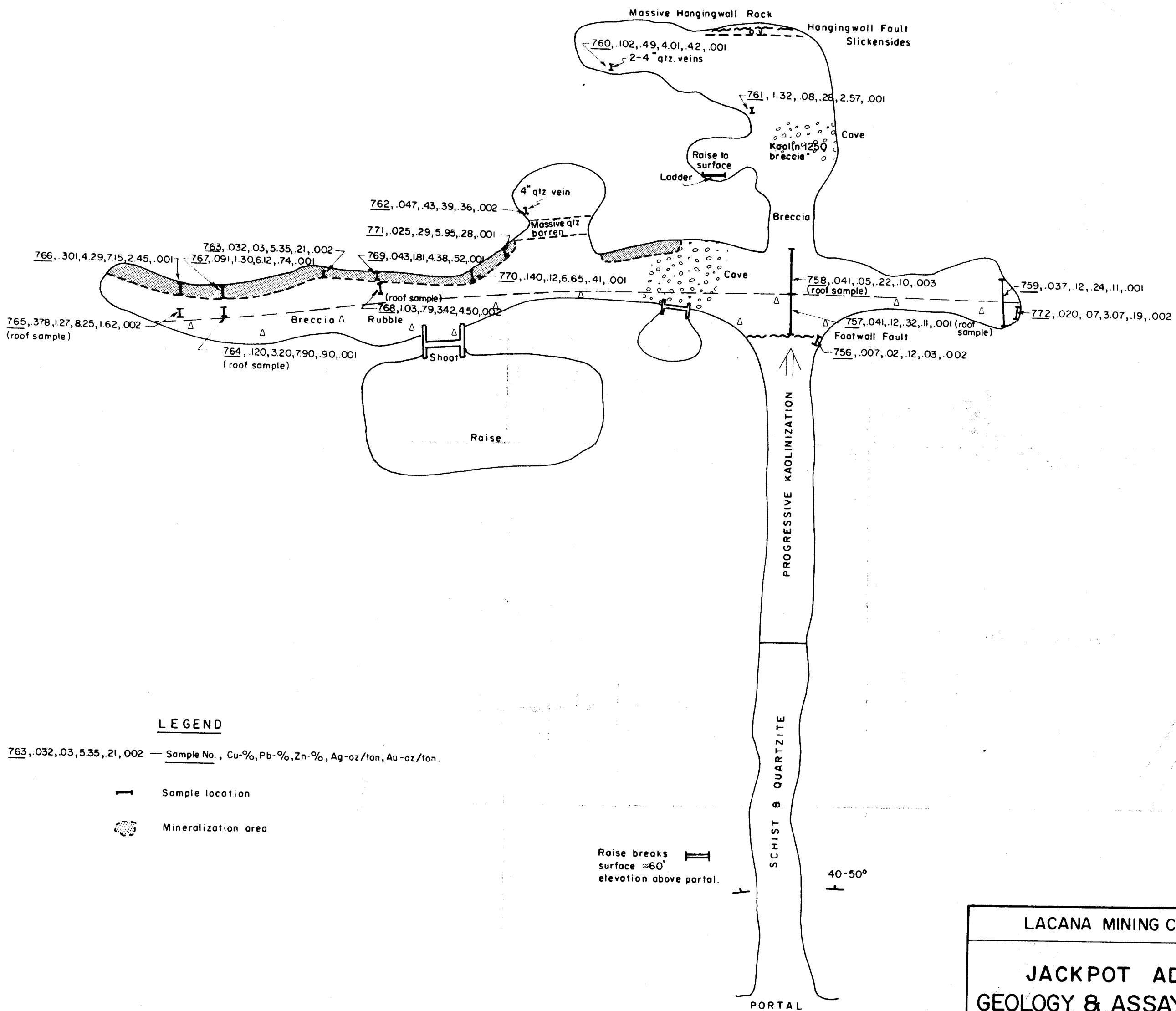
INTRODUCTION

This report documents the findings during geological examination of the Jackpot and Townsite mineral workings. The workings are in generally good shape although timber is rotten in the Townsite adit. Poor air conditions were encountered in the south extension of the Townsite adit near the end of the working (sample A-80-2213).



CROSS SECTION

MIN. RES. REPORTS BRANCH
 ASSAY REPORT
9347
 NO.



LEGEND

763, 032, 03, 5.35, 21, 002 — Sample No., Cu-%, Pb-%, Zn-%, Ag-oz/ton, Au-oz/ton.

- Sample location
- Mineralization area

Raise breaks surface ≈ 60' elevation above portal.

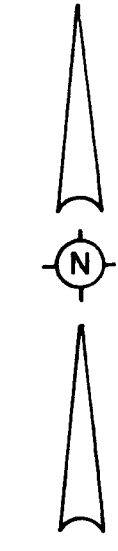
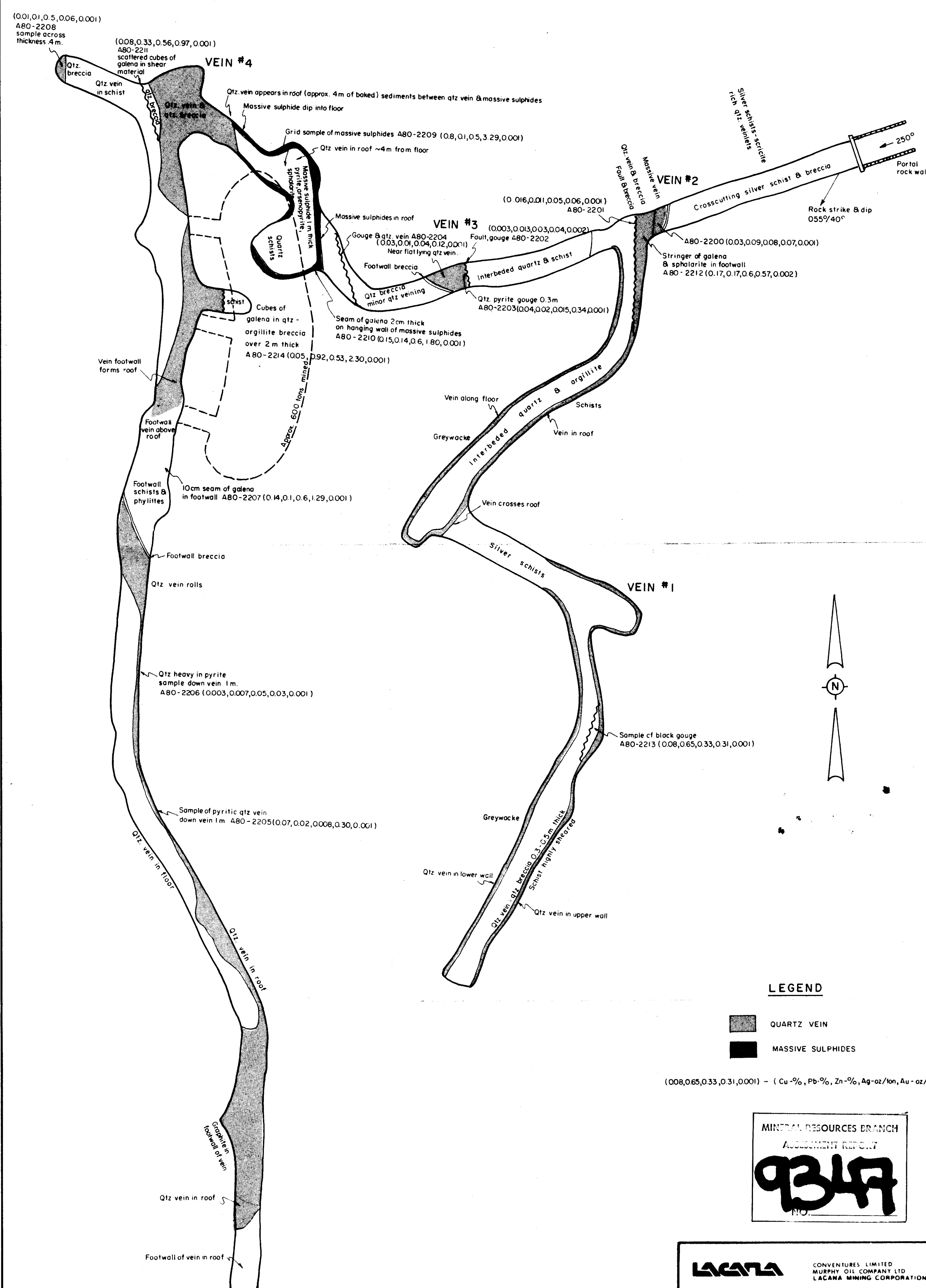
40-50°

PLAN VIEW

LACANA MINING CORP.

**JACKPOT ADIT
 GEOLOGY & ASSAY PLAN**

Scale 1" = 10'
 0 10 20 FEET



LEGEND

- QUARTZ VEIN
- MASSIVE SULPHIDES

(0.08, 0.65, 0.33, 0.31, 0.001) - (Cu-%, Pb-%, Zn-%, Ag-oz/ton, Au-oz/ton)

MINERAL RESOURCES BRANCH
 ASSIGNMENT REPORT
9317
 NO.

LACANA CONVENTURES LIMITED
 MURPHY OIL COMPANY LTD
 LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

**AINSWORTH CAMP
 TOWNSITE ADIT
 CROSS - SECTION**

0 12 metres

S. G.	1:200	OCT. 1980	4
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HISTORY OF THE AREA

The Jackpot and Townsite adits are situated approximately 400 metres west of the town of Ainsworth. Underground workings were developed during early exploration by prospectors and subsequently by the Yale Consolidated Lead And Zinc Mines. Production from the workings was achieved by the Yale Company during 1952-1953 with 400 tons of ore milled at a complex near Kootenay Lake. The claim covering the showings and working is currently held by Dennis Currie of Ainsworth, B.C. The present report was written as part of a geological evaluation of the mineral potential of the claim by Lacana Mining Corporation during 1980-1981.

PROPERTY STATUS, LOCATION & ACCESS

The property is situated 2.7 km from Ainsworth on Loon Lake road on the third switchback from the junction along the powerline.

The property consists of the Jackpot FR #1185 and the Jackpot 2 post claim #1172, covering the ground from the Banker C.G.#147 on the south to Munn Cr on the north.

The vein covered in part by these claims yielded a large part of the PbAgZn ore from the mountain. As the portion of vein under these claims has not yet been explored at depth, there is some possibility that another ore shoot may be discovered.

GENERAL GEOLOGY

The underground and surface workings are located on the northerly extension of the Highlander vein system. Based on geological observations from the underground workings the vein system is hosted in a silicified member formed from granitization of the enclosing silver schists. The main vein consists of massive and brecciated quartz averaging about two metres in thickness which follows bedding planes in the schist. A brief description of rock units observed is as follows.

Vein Quartz

This rock consists mainly of coarse grained quartz containing inclusions of silicified and carbonized schists. The vein walls are gradational into silicified schists on both foot and hanging wall. Spotty occurrences of galena and sphalerite are present generally as coarse crystals in the vein however the major sulphide present is pyrite.

Lamprophyre

The Lamprophyre dykes observed on the property are generally 1 to 4 metres thick which dip west across the foliation of the surrounding rocks. They are light grey to greenish-grey color, medium to fine grained and mafic in composition. The dykes are commonly mineralized and silicified near the quartz vein systems.

Aplitic Granite

This unit grades from Silver schist to aplitic granite and appears to have formed by granitization. It is cut by quartz vein and lamprophyre. In hand specimen, it is a whitish to pinkish sugary textured fairly massive rock.

Quartz Schist

The margins of the vein consist of sheeted veinlets of quartz and silicified schists. These rocks are fairly dense and form a competent hanging wall for the vein system.

DESCRIPTION OF THE WORKINGS

Jackpot Working

The Jackpot adit was driven at azimuth 250° for a distance of 23 metres at which point it intersected the extension of the Highlander vein system north of the Banker working. The working drifted along the vein for a distance of 26 metres south and 7 metres north. Values of 5.0-10.0% combined lead and zinc were discovered over a thickness of 1-2 metres and several hundred tons of ore were removed by Yale Consolidated. Significant values in zinc are still present in the workings however lead and silver are generally low.

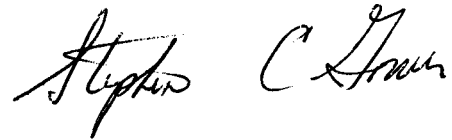
Townsite Working

The townsite workings are much more extensive than the Jackpot. The adit drifts in for 55 metres on an azimuth of 250° at which point it turns south and follows the main Highlander Vein for a distance of 90 metres. A secondary vein system 25 metres from the portal has been drifted on for about 70 metres in a generally southerly direction. Rock and air conditions in both workings are good, except for the southerly drift in the Townsite adit where state air was encountered.

STATEMENT OF COSTS


Sept. 8,9	2 days @ \$150.00	S.C. Gower	\$ 300
Sept. 8,9	2 days @ \$ 50.00	A. August	100
Support Sept. 8,9,	4 days @ 50/man/day		200
Truck Rental	2 days @ 50/day		100
Report Writing			50
Typing and Drafting			65
Assays	14 assays (W, PB, Zn, Au, Ag)		266
			<hr/>
		Total	\$1,081

S.C. Gower



STATEMENT OF QUALIFICATIONS

I, hereby certify I have received a B.Sc in geology from the University of British Columbia in 1970. I have also completed various Masters courses in geology at UBC during the period 1971-72. I have been employed in exploration on a permanent basis since 1970 and during the period 1978 to the present have been working for Lacana Mining Corporation.


Stephen C. Gower