

NELSON

87-476-16180

8/88



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) PROSPECTING	TOTAL COST \$1863.65
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AUTHOR(S) L. Komperdo  
W. Wright

SIGNATURE(S) *L. Komperdo*  
*W. Wright*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED August 5, 1987 YEAR OF WORK 1986.

PROPERTY NAME(S) ...  
SLAVE

COMMODITIES PRESENT .....

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN .....

MINING DIVISION ... Slokan

LATITUDE ... 50° 26' 24" LONGITUDE ... 117° 11' 36" NTS 82K/6E

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:  
Slave (12 Units)

OWNER(S)  
(1) L. Komperdo  
W. Wright (2) .....

MAILING ADDRESS  
#177,6915 Ranchview Dr. N.W.  
Calgary, Alberta T3G 1R8

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

OPERATOR(S) (that is, Company paying for the work)  
(1) L. Komperdo  
W. Wright (2) .....

MAILING ADDRESS  
#177,6915 Ranchview Dr. N.W.  
Calgary, Alberta T3G 1R8

**16,180**

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):  
Paleozoic Phyllite and Metavolcanics are part of a) ...  
Large regional fold and ...  
are slightly to moderately metamorphosed.  
Mineralization consisting of Pyrite, gold, and silver are predominantly associated with stress fractures.

REFERENCES TO PREVIOUS WORK .....

**FILMED**

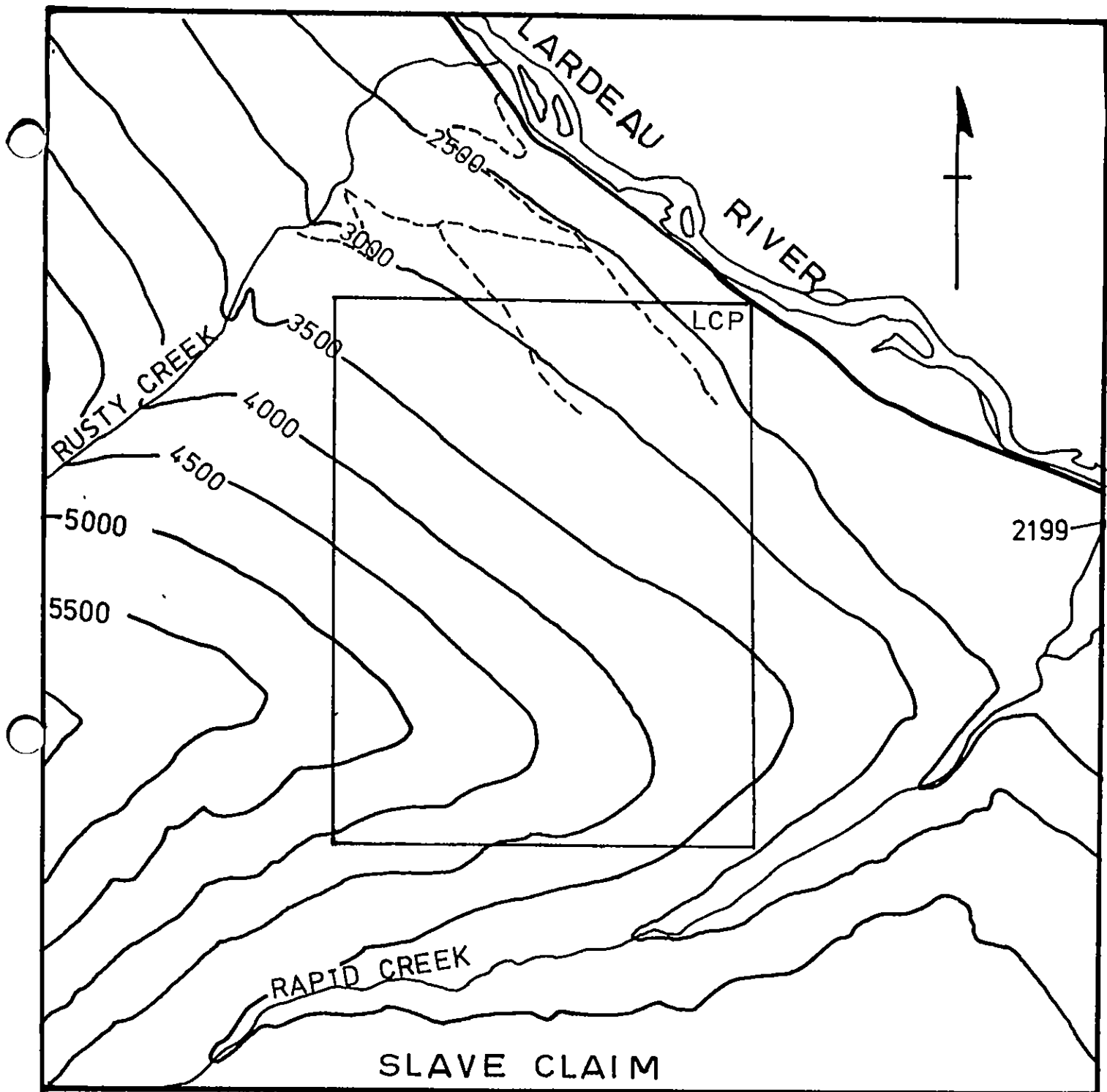
INTRODUCTION

The Slave Claim is located on the south west side of the Lardeau River between Rapid and Rusty Creeks. The longitude is  $117^{\circ}11'$  west and the latitude is  $50^{\circ}26'$  north. Access to the claim is approximately one mile by logging road from the junction of Rusty Creek and Highway 31.

Originally the area was prospected from 1904 to 1920 for gold and lead-silver bearing quartz veins. Very little work was done from 1920 to 1980. In 1980 and 1981 Westmin Resources Ltd, did a regional soil geochemical program. This program resulted in several anomalies.

Currently the Slave Claim is owned and operated by L. Komperdo and W. Wright of Calgary, Alberta. The claim was staked to evaluate the gold showing in the area and the soil geochemical anomalies found by Westmin Resources.

As a preliminary step to evaluating the Slave Claim the area was prospected to try to locate mineralization in either bed rock or in float. The prospecting entailed about 5600 meters of traverses, 12 Au, Ag assays and 2 rock geochemical analysis. All work was performed on the Slave Claim.



SLAVE CLAIM

SCALE

1: 20,000




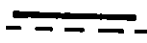
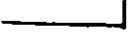
Alberta

British Columbia

GENERAL LOCATION

Nelson

USA

-  Creek
-  Roads
-  Claim block

### DETAILED TECHNICAL DATA

The purpose of prospecting the Slave Claim was to firstly evaluate quartz veins and quartz float found on the property for gold and silver content. Secondly metavolcanics were prospected to locate mineralization and to analyse background levels of Au, Pt, Ag, Cu, Pb, Zn, Ni, and As. This would be a preliminary step in further evaluation of the soil geochem anomaly on the property.

Samples 1 through 11 were collected in and around adits of the old Mobbs Mine, while RS-1 was collected on traverse. Sample locations are shown on the detailed map at the back of the report. All samples were assayed for Au, and Ag, with the results given below.

<u>Rock Sample</u>	<u>Au (oz/ton)</u>	<u>Ag (oz/ton)</u>	<u>Rock Type</u>
#1	Trace	0.02	Quartz vein
2	Trace	0.04	Quartz vein
3	0.002	Trace	Quartz vein
4	0.004	Trace	Quartz vein
5	0.012	0.02	Quartz vein
6	Trace	0.02	Quartz vein
7	Trace	0.04	Quartz vein
8	0.002	Trace	Quartz vein
9	0.002	Trace	Quartz vein
10	Trace	Trace	Quartz vein
11	0.006	0.02	Quartz vein
12	Trace	Trace	Metavolcanic
RS-1	0.002	0.08	Quartz vein

The rock geochemical analysis on the metavolcanics are as follows:

<u>Rock Sample</u>	<u>Au</u> (ppb)	<u>Pt</u> (ppb)	<u>Pd</u> (ppb)	<u>Ag</u> (ppm)	<u>Cu</u> (ppm)	<u>Pb</u> (ppm)	<u>Zn</u> (ppm)	<u>Ni</u> (ppm)	<u>As</u> (ppm)
#12		Trace	Trace						
RS-2	Nil	0.3		0.3	18	11	55	40	8

## RESULTS AND CONCLUSIONS

Grey and green phyllites with minor limy phyllites and greenstones of the Index Formation (lower to middle Paleozoic), and the meta-andesites with minor metadiorites of the Poplar Creek Greenstones (Permian and/or Triassic) are the only major rock groups on the Slave Claim.

The only significant mineralization is associated with faults in the phyllites which have been filled with quartz. There are two distinct series of quartz veins on the Slave Claim. The first system conforms to the lineation of the surrounding phyllites, striking north-northwest. These veins are mineralized with pyrite and galena. The second series of veins cuts across the lineation of the phyllites with strikes generally in a northeasterly direction, and dips from 40° to vertical. This set of veins is mineralized with pyrite, minor patches of galena, and free gold.

The metavolcanics of both the Index Formation, and the Poplar Creek Greenstones were found to be void of mineralization except for occasional showings of pyrite.

The quartz veins on the claim although usually mineralized are a poor exploration target due to the very low and erratic gold and silver values. The metavolcanics have some potential but further exploration should be located near contacts and/or around faults and shear zones.

ITEMIZED COST STATEMENT

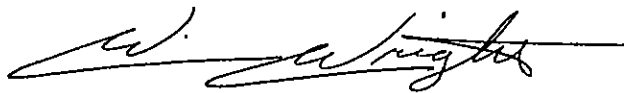
GEOLOGIST: \$300.00 per man/day for 3 days. (Aug. 6 and Sept. 10 and 11, 1986)	\$900.00
SAMPLER: \$60.00 per man/day for 3 days. (Aug. 6 and Sept. 10 and 11 1986)	\$180.00
GEOCHEMICAL ANALYSIS: 1 Pt,Pb analysis @ \$13.00 1 Cu,Pb,Zn,Ni,Ag,Au,Pt,As, analysis @ \$24.65	\$ 37.65
ASSAY ANALYSIS: 13 Au,Ag assays @ \$12.00 per sample.	\$156.00
FOOD AND LODGING: \$40.00 per man/day for 3 days for 2 men	\$240.00
TRAVEL EXPENSES: (vehicle expenses for travel in British Columbia)	\$150.00
REPORT PREPARATION: \$100.00 per man/day for 2 days.	\$200.00
TOTAL COST	<u>\$1863.65</u>

AUTHOR'S QUALIFICATIONS

I, William M. Wright of the city of Calgary hereby certify that:

1. I am a graduate of the University of Western Ontario 1976.
2. I have a B.Sc. degree in Geology.
3. I have previously worked as a Geologist in mineral exploration.

Dated this 16th. day, July, 1987.

A handwritten signature in cursive script, appearing to read 'W. M. Wright', with a long horizontal flourish extending to the right.

William M. Wright

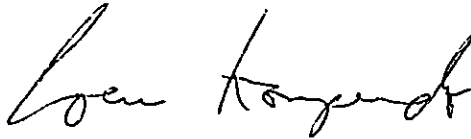


AUTHOR'S QUALIFICATIONS

I, Loren S. Komperdo of the city of Calgary hereby certify that:

1. I am a graduate of the University of Alberta 1979.
2. I have a B.Sc. degree in Geology.
3. I am a registered Professional Geologist of the Province of Alberta.
4. I have previously worked as a Geologist in mineral exploration.

Dated this 16th. day, July, 1987.

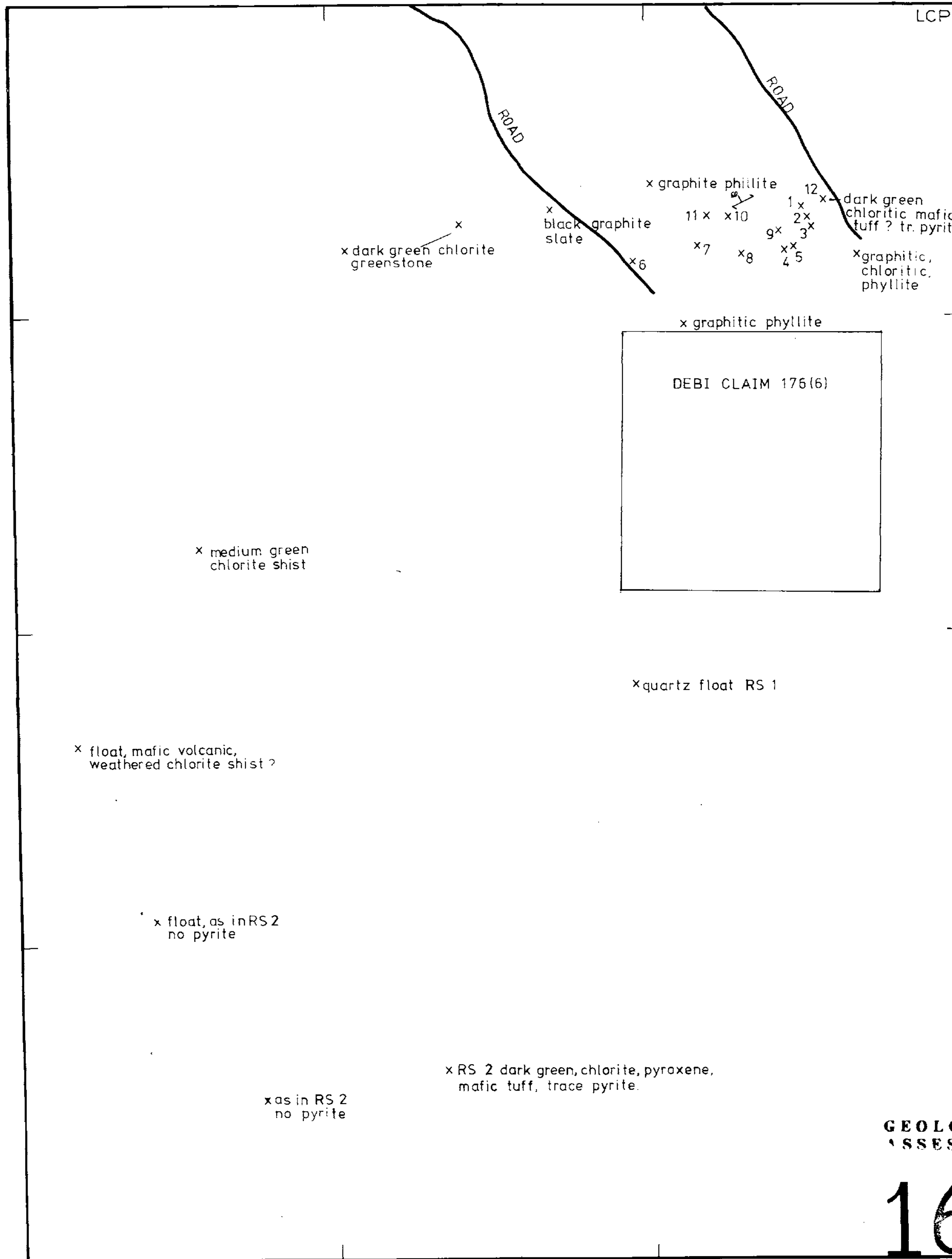
A handwritten signature in cursive script that reads "Loren Komperdo". The signature is written in dark ink and is positioned above the printed name.

Loren S. Komperdo; P.Geol.

SLAVE CLAIM

RUSTY CREEK

LARDEAU RIVER



0 800 ft. 244 m.

Samples 1 to 11 are quartz veins or float.

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,180

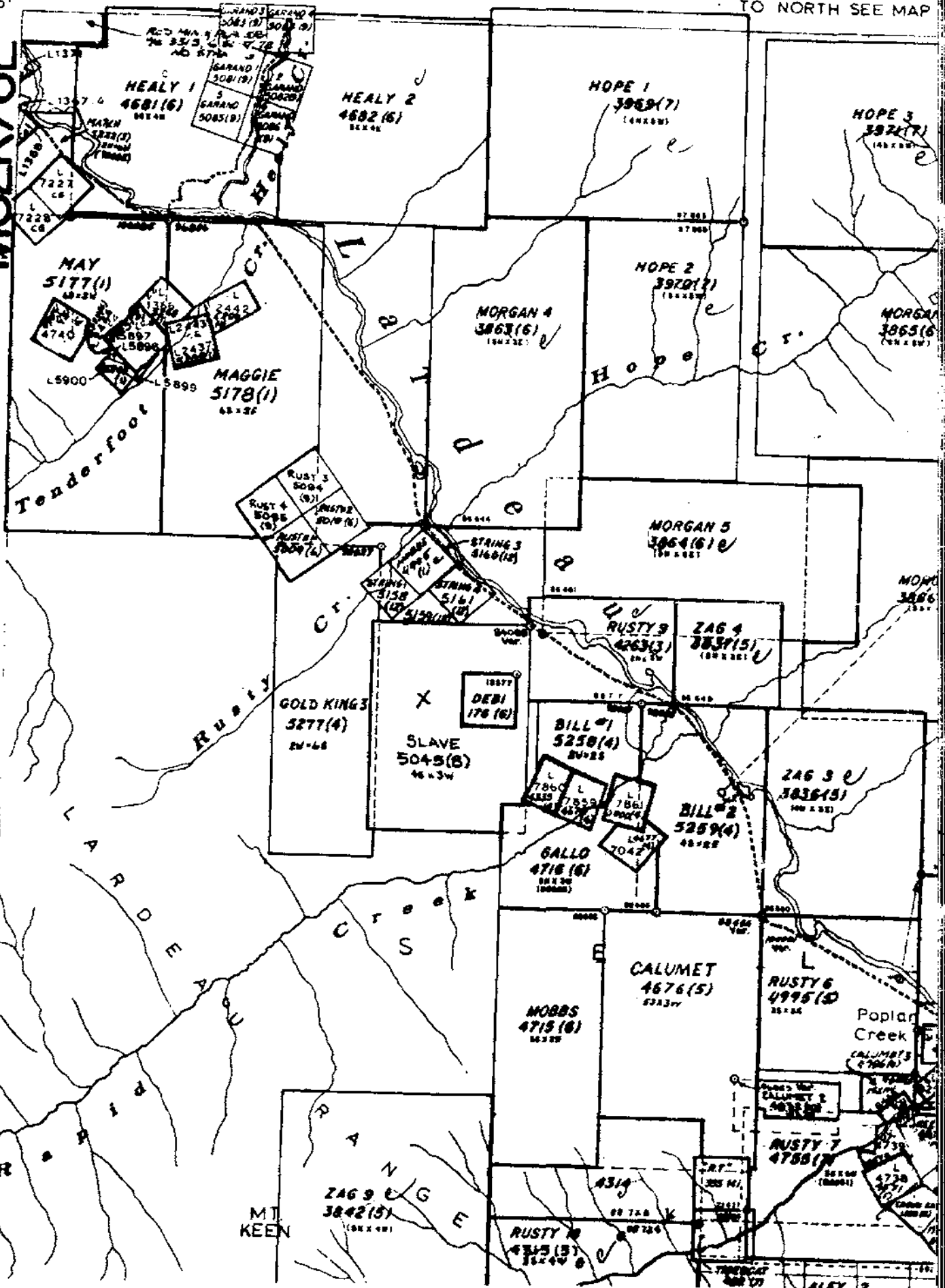
50°30' 117°15'

A

B

TO NORTH SEE MAP

M82K/6E



5

4

MT KEEN

Poplar Creek

CALUMET'S (2706A)

CALUMET'S (2706A)

CALUMET'S (2706A)

CALUMET'S (2706A)

CALUMET'S (2706A)

CALUMET'S (2706A)

CALUMET'S (2706A)