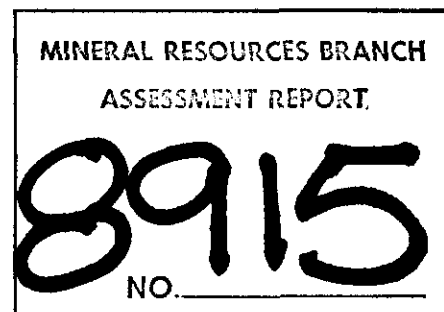


PROSPECTING and  
GEOCHEMICAL ASSESSMENT  
REPORT  
on the



K. J. MINERAL CLAIM

Located 15 miles N. W.  
of the Junction of  
St. Mary River and Redding Creek  
in the

FORT STEELE MINING DIVISION

NTS Location 82F/15E

Latitude & Longitude

50<sup>0</sup> 117<sup>0</sup> S. E.

on behalf of  
Gerhardi Holding  
of  
Nelson, B. C.

Report by: *D. J. Gallagher*

Pearson Gallagher Ltd

February 1981

TABLE OF CONTENTS

LOCATION MAP	Page 1
LOCATION & ACCESS	Page 2
GENERAL SETTING	Page 2
PROPERTY INFORMATION	Page 3
WORK SUMMARY	Page 3
PROSPECTING	Page 4
INTERPRETATION & RECOMMENDATIONS	Page 5
INDEX MAP	Page 6
GEOLOGICAL MAP - in envelope	Map "B"
ASSAYS	Page 7
"	Page 8
"	Page 9
"	Page 10
GEOLOGY REPORT ON PROPERTIES	Page 11
ITEMIZED COST STATEMENT	Page 12
AUTHOR'S QUALIFICATIONS	Page 13
"	Page 14

White Horse

YUKON

NORTHWEST TERRITORIES

ALBERTA

BRITISH  
COLUMBIA

Prince Rupert

• Prince George

Edmonton

Calgary

PROPERTY

Nelson

Trail

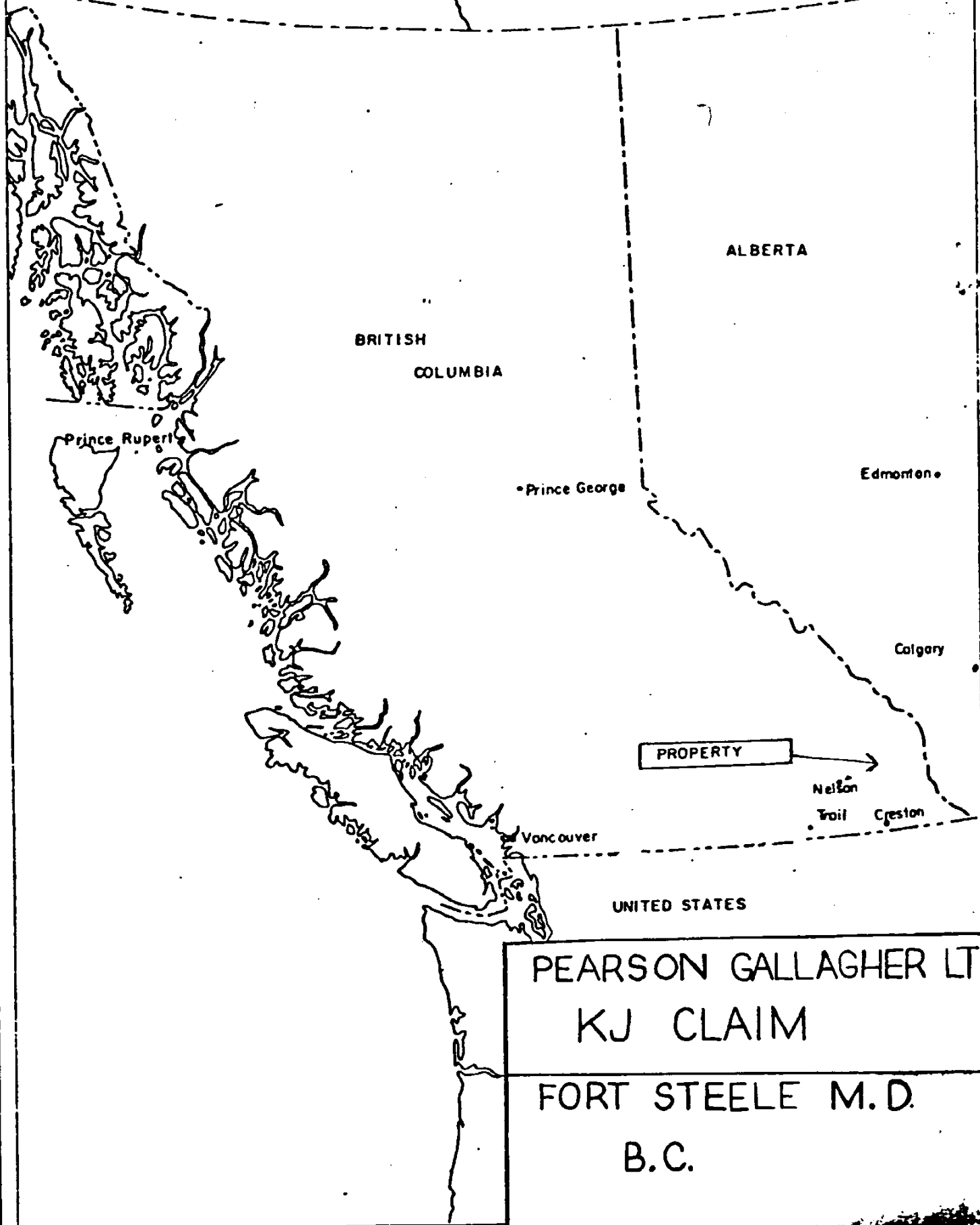
Creston

Vancouver

UNITED STATES

PEARSON GALLAGHER LTD.  
KJ CLAIM

FORT STEELE M.D.  
B.C.



LOCATION & ACCESS

The K. J. mineral claim is located 15 miles N. W. of the junction of the St. Mary River and Redding Creek, situated  $\frac{1}{2}$  mile to the west of the St. Mary River on the Rose Pass Trail. The claim can be reached by four-wheeled drive vehicles via a road and trails up the Crawford Creek and its tributaries or the St. Mary River on the east.

The NTS location is 82F/15E.

GENERAL SETTING

This claim is situated near the summit of Rose Pass at an elevation of approximately 5,800 feet above sea level.

The claim covers the contact of the Toby Formation consisting of conglomerate. Also, the Horsethief Creek Series, containing green argillaceous quartzite, blue-grey limestone, arkose and pebble conglomerate; and the Mount Nelson formation of laminated argillite, magnesium limestone and quartzite.

The vegetation is alpine forest cover with varying underbrush from extremely thick to sparse and alpine meadows.

PROPERTY INFORMATION

The Rose Pass prospect was staked in the 1890's, allowed to lapse, staked again in 1936, and lapsed again. In the early 1960's, Rose Pass Mines acquired this property and during the years 1965 - 1968, began working the claim. In 1968, the Rose Pass prospect was drilled.\*

In February of 1980, Robin Pearson, agent for Gerhardi Holdings, staked the K. J. Mineral Claim, which covers the old workings and surrounding area. During July of 1980, Pearson Gallagher Ltd. was contracted to take a geochemical survey and prospect the property. The results of these surveys follow.

WORK SUMMARY

On July 7, 1980, a helicopter was contracted and the property was sampled, mapped and prospected.

A total of 12 chip and rock samples were taken as shown on the accompanying map "B" and assay result sheet (PG. 7 ). The samples were moiled across the vein containing galena, sphalerite and other sulphides about two feet wide. The hanging wall and footwall sediment consists of black argillite and schists

\* - Geology Report on Properties of Rose Pass Mines

intruded by fine grained manganese stained granite porphyry.

On September 3, 1980, the property was again visited, at which time further prospecting, mapping and sampling were done. Nine samples were taken as shown on accompanying map "B" and assay result sheet (Page 10 ). The same techniques used July 7 were applied once again over the vein structure 6 metres to the south.

#### PROSPECTING

The area immediately surrounding the old workings was prospected to locate extensions of the vein. The vein outcrops in three places to the south of the old shaft, which had been filled with water. An unsuccessful attempt was made to locate the vein in the small creeks draining east-west into the main creek. However, mineralized float was located downstream of the projected vein strike, indicating a possible continuance of the structure. See map "B". Other float was collected to the north of the shaft including box work samples, sent for assay. Results of these assays are recorded on page 10.

INTERPRETATION & RECOMMENDATIONS

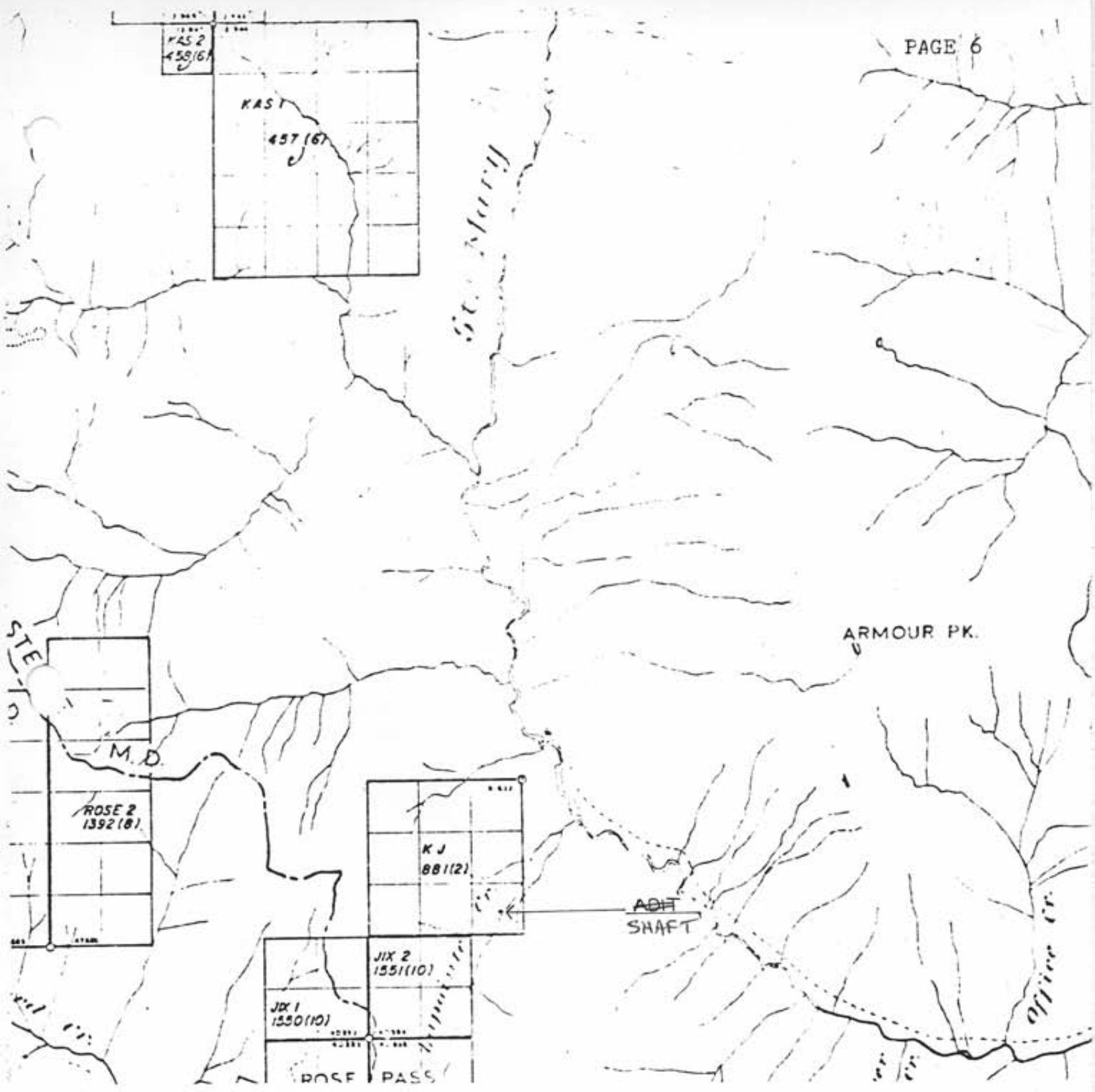
With the high grade results obtained from the vein and the results obtained from the hanging wall and footwall structure being indicative of grades favourable over mineable widths, coupled with excerpts from S. A. Mouritsen's Geology report (page 11), we feel that continued exploration is warranted. We recommend a comprehensive mapping program of the geology with the aid of a magnetometer, geochemical soil sampling survey covering the most favourable geology and an E.M. V.L.F. Geophysical survey to trace the strike length of the known structure and to locate possible other conductive structures which could host mineralized zones.

We also recommend trenching across the projected vein structure strike as indicated on map "B".

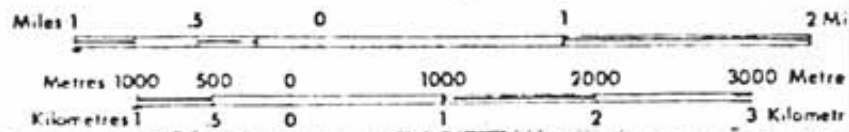
PROPERTY: ROSE PASSDATE RECEIVED/SAMPLED: September 15th, 1980ASSAY LAB: CIEMEX LABS LTD.

Sample No.	Location	Lithological Description	Assays					
			Cu ppm	Pb ppm	Zn ppm	Ag ppm	W ppm	Sn ppm
23851	Rose Pass vein	Hanging wall sediments 2 feet	140	2600	240	8.2	--	8
23852	Rose Pass vein	Main vein, surface chips 1 - 2 feet	96	495	210	2.1	--	5
23853	Rose Pass vein	Foot wall sediments 2 feet	192	1850	1400	6.0	--	4
23854	Rose Pass vein	Grabs, rusty schist below vein	440	2000	2000	3.1	--	3
23855	Rose Pass Creek	Fine grain granite dyke	26	114	90	0.4	--	2
23856	Rose Pass Creek	Manganese stained granite: - float fine grained quartz eye porphyry	12	52	40	0.1	--	3
23857	Rose Pass Creek	Float: box worked phyllite	425	>4000	1000	> 20.0	--	>1000
23858	Rose Pass Creek	Carbonate rich phyllite float	24	76	102	0.5	--	16
23863	Rose Pass character	Massive sulphide	2450	>4000	> 4000	> 20.0	--	>1000





M82F/15E





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 697-0004 984-0221  
AREA CODE 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

### ROSE PASS ASSAYS

CERTIFICATE NO. 68929  
INVOICE NO. 37436  
RECEIVED July 8/80  
ANALYSED July 30/80

SAMPLE NO.	% Pb	% Zn	oz/ton Ag	oz/ton Au	% Sn
77851	0.04	0.03	0.01	<0.003	
77852	1.12	0.63	0.82	<0.003	<0.01
77853	1.68	0.15	1.30	<0.003	0.05
77854	0.78	3.97	1.10	<0.003	0.13
77855	0.71	0.13	0.88	<0.003	<0.01
77856	0.19	6.94	0.22	<0.003	
77857	0.18	0.15	0.10	<0.003	<0.01
77858	0.04	0.08	0.02	<0.003	<0.01
77859	0.01	0.02	0.11	<0.003	<0.01
77860	0.01	0.01	0.01	<0.003	<0.01
77861	<0.01	<0.01	0.01	<0.003	
77862	0.02	0.01	0.01	<0.003	

*Country  
Rock*



MEMBER -  
CANADIAN TESTING  
ASSOCIATION

*[Signature]*  
REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

Do not film



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER B.C.  
CANADA V7J 2C1  
TELEPHONE (604)984-0221  
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TEST NO. : 101-101-101-  
INVOICE NO. : 101-  
DATE : 10-10-70

Sample description	N	Gr		
	ppm	gms		
23851	--		--	--
23852	--		--	--
23853	--		--	--
23854	--		--	--
23855	--		--	--
23856	--		--	--
23857	--	>10	--	--
23858	--		--	--
23859	--		--	--
23860	--		--	--
23861	--		--	--
23862	--		--	--
23863	--		--	--
23864	--		--	--
23865	--		--	--
23866	--		--	--
23867	--		--	--
23868	--		--	--
23869	--		--	--
23870	--		--	--

Hart Biddle

Do not film



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE (604)984-0221  
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

Lab. # : 4801029-1001-1  
Function # : 30737  
Date : 15-10-74

Sample description	Cu ppm	Pb ppm	Zn ppm	Ag ppm
23851 ✓	140	1000	240	0.2
23852	76	400	210	0.1
23853	132	1000	140	0.0
23854	440	2000	2000	0.1
23855	25	110	50	0.4
23856	17	0	40	0.1
23857 ✓	425	>4000	1700	>20.0
23858 ✓	24	70	100	0.5
23859	2400	>4000	>4000	>20.0

Certified by Hart Biddle





ENERGY

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... DAN CALLAGHER.....

ADDRESS..... 619 Mill Street, Nelson, B. C. V1L 4S3.....

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
3289	4236 E <u>ROSE</u> = Rep pres G.M. Collins "KJ" Collins	Spectrographic Analysis: Zinc; Lead; Copper; Tin; 0.1% Antimony; 0.2% Cadmium 0.01% Indium and a trace of Molybdenum were found. No Tungsten was detected. The other base metals found, and their percentages, were those occurring normal in rocks.  Gold - Trace Silver - 21.4 oz. per ton  Zinc - 23.35% Lead - 22.85% Copper - 0.52% Tin - 1.07%

THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED FOR PROMOTIONAL OR ADVERTISING PURPOSES.

DATE..... December 7, 1979.....

*[Signature]*  
CHIEF ANALYST



DATE ... August 14, 1980 .....

**Province of British Columbia**  
**Ministry of Energy, Mines and Petroleum Resources**

SAMPLE RECEIVED FROM ..... DAN GALLAGHER .....

ADDRESS ..... 280 Baker Street, Nelson, B. C. .... V1L 4H3 .....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
3756	6031 K.J. ROSE PASS	<p>Spectrographic Analysis: Lead; Zinc; 0.4% Tin; 0.15% Antimony; 0.25% Copper and 0.05% Cadmium were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - Trace  Silver - 49.1 oz. per ton  Lead - 44.0%  Zinc - 10.9%</p>

GEOLOGY REPORT ON PROPERTIES OF ROSE PASS MINES

- by: S. A. Mouritsen, P. Geol., P. Eng.  
Consultant  
Calgary, Alberta

ROSE PASS

Nine holes were drilled along the showings. These holes appear to have crossed underground workings. The core recovery was poor because of the fractured nature of the rocks. The main mineral zones are made up of quartz veins in Mount Nelson schist with an aggregate thickness of approximately nine feet. There is an additional eleven feet of mineralized schist. The recovered core gave an average assay of 3.5 oz. of silver, 3.6% lead, and 4.6% zinc. The core from numbers 8 & 9 holes has not been assayed at the time of this report.

The quartz veins are injected in the bedding planes of the schistose Mount Nelson formation. Additional mineralizing solutions have penetrated the planes of schistosity of the Mount Nelson.

The Rose Pass showing is a high-grade vein in Mount Nelson schist. This appears to be an interbed vein and is exposed for only a few feet. The showing is not impressive but the drilling results are. This showing appears to be underlain by quite extensive underground workings. However, these workings are flooded. The dip of the vein is near vertical.

ITEMIZED COST STATEMENT

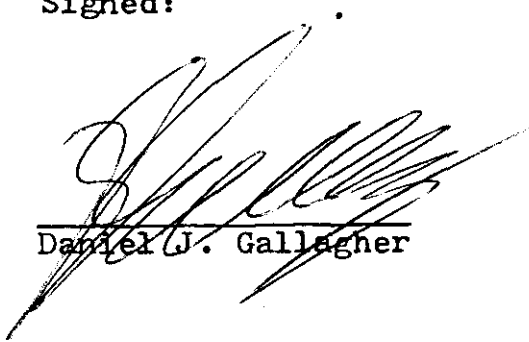
<u>WAGES</u>	- 4 days; June 7, 8, Sept. 3, 4; 2 prospectors @ 250.00 per day	\$2,000.00
	- 4 days; June 7, 8, Sept. 3, 4; 1 assistant @ 160.00 per day	640.00
<u>FOOD</u>	- 4 days; June 7, 8, Sept. 3, 4; 3 people @ 15.00 per day	180.00
<u>TRANSPORTATION</u>	- 1 day; June 7; fee for helicopter	326.33
	- 3 days; June 8, Sept. 3, 4; truck rental @ 50.00 per day	150.00
<u>OFFICE WORK</u>	- 3 days; Feb. 16, 19, 20 @ 50.00 per day	150.00
<u>ASSAYS</u>	- 13 soil, silt samples - analyzed for Ag, Zn, Pb, Cu, W, Sn; @ 3.50 per sample	45.50
	- 12 rock chip samples - analyzed for Pb, Zn, Ag, Au, Sn; @ 18.50 per sample	<u>222.00</u>
		<u>\$3,713.83</u>



AUTHOR'S QUALIFICATIONS

I, Daniel J. Gallagher, have completed the "Mineral Exploration for Prospectors" course offered by the Ministry of Energy, Mines & Petroleum Resources in April/May of 1979. I have been a prospector for the past ten years, have completed and passed the Rocks & Minerals Course given by George Addy, District Geologist for the Ministry of Energy, Mines & Petroleum in Nelson, BC

Signed:

  
Daniel J. Gallagher

SELKIRK



COLLEGE

CASTLEGAR, B. C., CANADA

COMMUNITY EDUCATION SERVICES

THIS IS TO CERTIFY THAT

DAN GALLAGHER

HAS PARTICIPATED IN

"MINERAL EXPLORATION FOR PROSPECTORS"

120 Hour Course

Sponsored by: Ministry of Energy, Mines & Petroleum  
Resources, & Ministry of Education, Science & Technology

April 29 - May 12, 1979



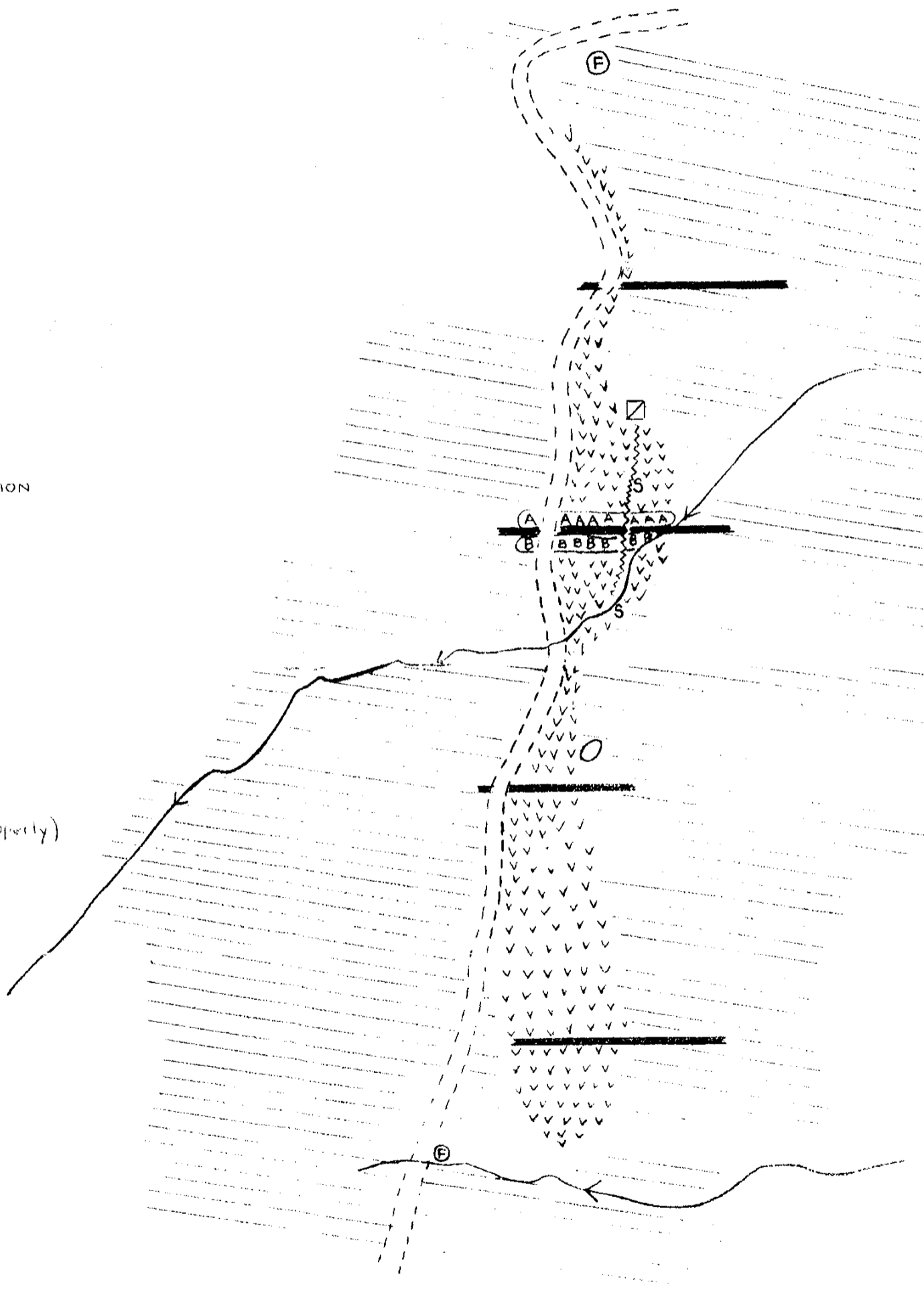
*A. Frank Stephens*  
INSTRUCTOR / PROGRAM COORDINATOR

*D. C. Baker*  
DIRECTOR OF COMMUNITY EDUCATION SERVICES

N

**LEGEND**

- ROAD
- ← CREEK (SHOWING DIRECTION OF FLOW)
- PIT
- PROPOSED TRENCH
- ~~~~ VEIN
- - - - OVERBURDEN
- VVVVV BLACK ARGILLITES AND SCHISTS
- S SHOWING
- ⓔ FLOAT SAMPLE TAKEN
- ⊠ ADHT (refer to index map for location on property)
- ⓐ SOIL SAMPLES, CHIP (JULY, 1980)
- ⓑ SOIL SAMPLES (SEPT, 1980)



MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8915**  
 NO. \_\_\_\_\_

PEARSON GALLAGHER LTD  
 PROSPECTING & GEOLOGY  
 MAP  
 of the  
 KJ MINERAL CLAIM  
 SCALE: 10m  
 FIELD WORK BY: D.GALLAGHER  
 DATES: JULY, SEPT, 1980