

#452

82E

REPORT

- on -

THE RIVERSIDE PROPERTY
GREENWOOD MINING DIVISION

British Columbia

- for -

ALBERNI MINES LTD. (N.P.L.),

319 Argyle Street,

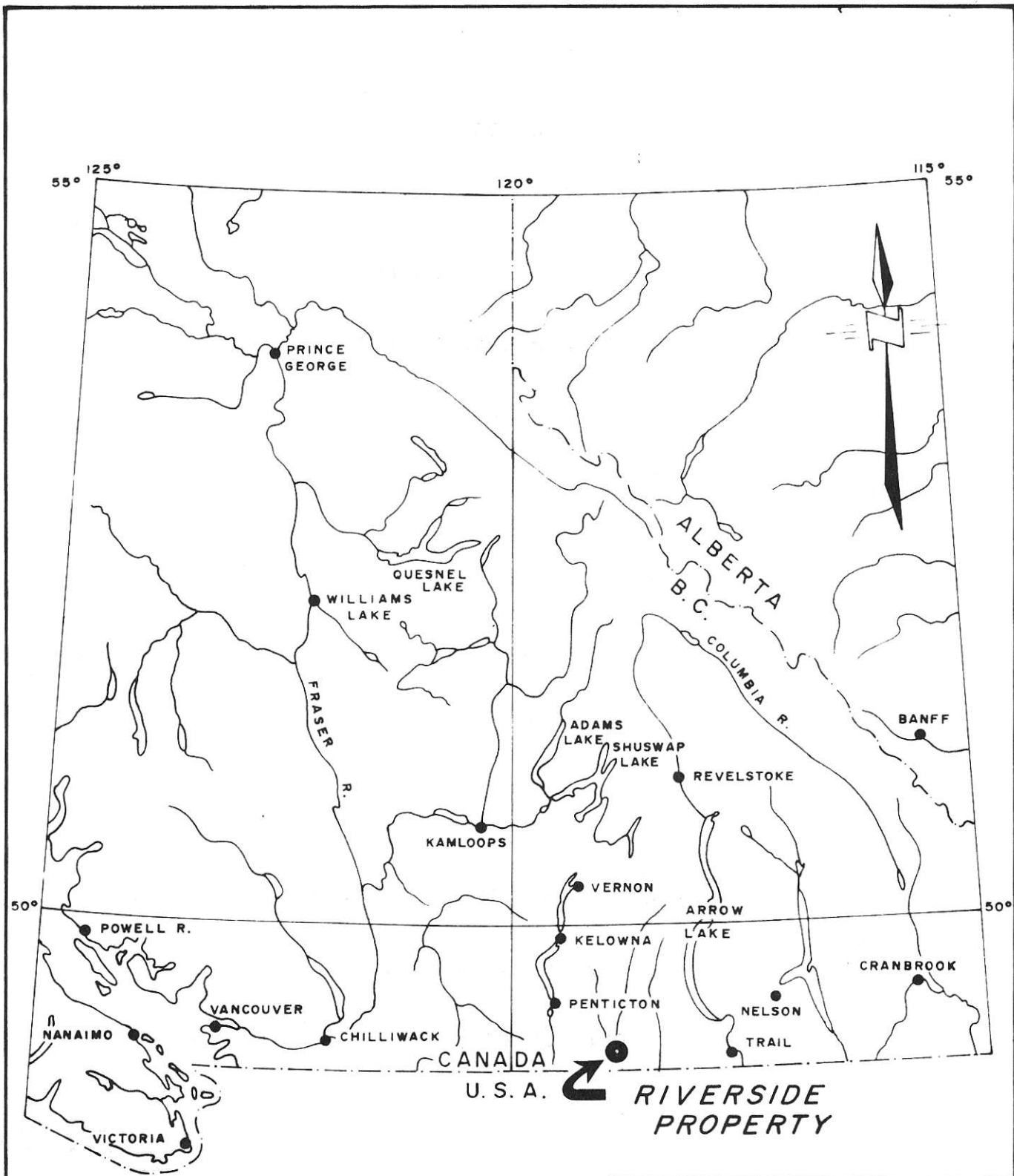
PORT ALBERNI, B. C.

Prepared by:

KERR, DAWSON & ASSOCIATES LTD.,
#1 - 219 Victoria St.,
KAMLOOPS, B. C.

J. M. Dawson, P. Eng.,
December 31st., 1975.





ALBERNI MINES LTD. (N.P.L.)

LOCATION MAP

RIVERSIDE PROPERTY

**GREENWOOD MINING DIVISION
BRITISH COLUMBIA**

Date: DEC. 17, 1975.

Scale: 1" = 64 Miles

Dwn by: T.V.

Dwg no. 122 - 1

TO ACCOMPANY A REPORT BY J.M. DAWSON, P. Eng.

TABLE OF CONTENTS

	<u>Page No.</u>
INTRODUCTION	1
SUMMARY AND CONCLUSIONS	1
RECOMMENDATIONS	3
PROPERTY	4
LOCATION AND ACCESS	5
PHYSIOGRAPHY AND VEGETATION	5
HISTORY	6
GEOLOGY	8
MINERALIZATION	10
ECONOMIC POTENTIAL	17

APPENDICES

APPENDIX A: Estimated Cost of Recommended Programme

APPENDIX B: Assay Results

APPENDIX C: References

APPENDIX D: Writer's Certificate

APPENDIX E: Maps

Figure #122 - 1: Location Map

Figure #122 - 2: Claim Map

Figure #122 - 3: Underground Workings

and Sample Locations

INTRODUCTION

This report has been prepared at the request of the directors of Alberni Mines Ltd. (N.P.L.). It describes the results of examinations of the subject property by the writer on April 10th. & 11th., 1973, and December 5th., 1975.

During the earlier examination, the writer made several reconnaissance traverses across the property and examined all of the accessible underground workings. A number of samples were taken from the old workings. On December 5th., 1975, the writer examined the No. 2 adit which had just recently been cleaned out by Alberni Mines personnel. Several character samples were taken from this tunnel system.

Maps showing the location of the subject claims, the underground workings and sample locations have been prepared and are included with this report.

SUMMARY AND CONCLUSIONS

(1). The Riverside property consists of a mineral lease covering three surveyed mineral claims totalling 134.02 acres. It is located about 4 miles north of the village

of Rock Creek, Greenwood Mining Division, British Columbia and is road accessible.

(2). The property has been worked sporadically since the early 1900's and a few hundred tons of high grade ore was shipped by leasors. Approximately 1,100 feet of underground workings were driven; however, there is no record of work having been carried out since 1921.

(3). The property is underlain by a sequence of greenstones and detrital sediments of the Anarchist Group, intruded by a few highly altered lenses of ultrabasic rock. Veins of quartz and calcite with varying amounts of sulphide mineralization are found along two sets of fractures or shear zones: one set strikes northeasterly and dips moderately to steeply southeast and the other strikes north-northwesterly and dips shallowly northeast. Faulting appears to be an important ore control.

(4). The mineralization consists of scattered bunches and grains of pyrite, sphalerite and galena, primarily concentrated in the quartz veins but also present in envelopes of sheared wall rock or gouge. The quartz veins are generally between 2" and 8" wide but the mineralized zones may be in

excess of 5 feet wide (and as much as 15 feet wide) locally because of the mineralized pyritic gouge and wall rock.

(5). The mineralized zones contain relatively high silver values over widths varying from several inches to as much as 15 feet and significant amounts of zinc, lead, and gold are usually present. In the writer's opinion, there is a good possibility of developing small tonnages of high grade material along strike and down dip on the presently known veins or shear zones as well as for the discovery of new mineralized zones presently blind or obscured by overburden. Further exploration is definitely warranted.

(6). The property is ideally situated for a small tonnage, high grade mining operation being close to major transportation routes, water, timber, power, and labour supplies as well as to custom milling and smelting facilities.

RECOMMENDATIONS

PHASE I

(1). The presently accessible workings should be cleaned out, geologically mapped and sampled accurately.

(2). The entire claim area and some of the surrounding ground should be geologically mapped to get an idea of structural trends and possible ore controls. An EM-16 survey may be useful in assisting in the tracing of mineralized zones.

(3). Systematic bulldozer trenching should be carried out along strike from the known mineralization and in areas where little outcrop is visible.

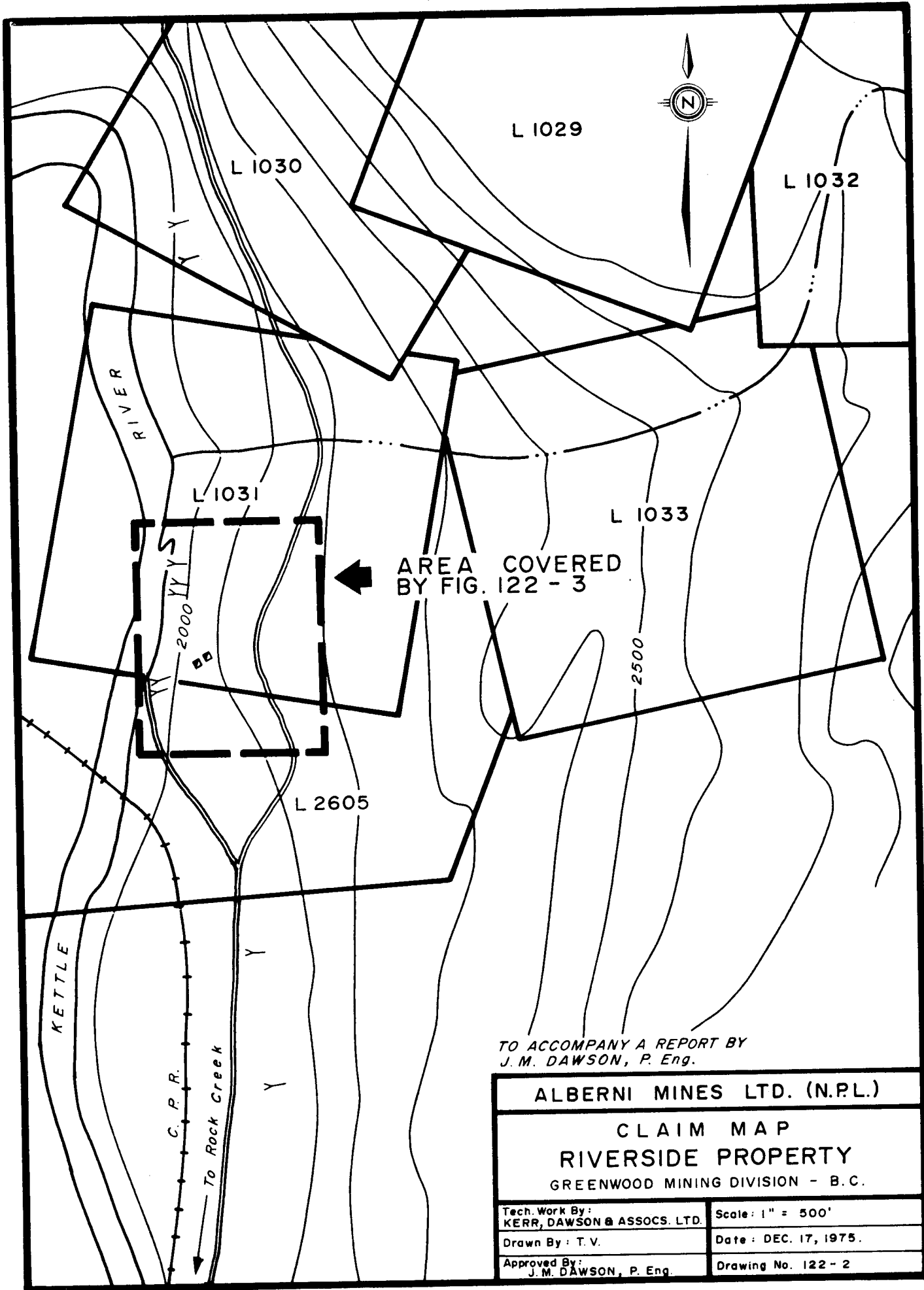
(4). A series of short diamond drill holes should be drilled to test the continuity and thickness of the mineralization both along strike and down dip.

PHASE II

Contingent upon the success of Phase I, a systematic diamond drilling programme should be carried out to establish ore reserves in a preliminary way.

PROPERTY

The property consists of Mineral Lease No. M-415 which contains 3 lots: Lot No. 1031 "Riverside", Lot No. 1033 "H.R." and Lot No. 2605 "Riverside No. 2 Fr." The total area of the property is 134.02 acres.



TO ACCOMPANY A REPORT BY
 J. M. DAWSON, P. Eng.

ALBERNI MINES LTD. (N.P.L.)	
CLAIM MAP	
RIVERSIDE PROPERTY	
GREENWOOD MINING DIVISION - B. C.	
Tech. Work By: KERR, DAWSON & ASSOCS. LTD.	Scale: 1" = 500'
Drawn By: T. V.	Date: DEC. 17, 1975.
Approved By: J. M. DAWSON, P. Eng.	Drawing No. 122 - 2

The owner of this property is Alberni Mines Ltd. (N.P.L.).

LOCATION AND ACCESS

The property is located in southernmost British Columbia about 3 1/2 miles north-northeast of the village of Rock Creek and roughly 7 1/2 miles north of the international boundary. The approximate geographic co-ordinates of the center of the property are 49°07' north latitude and 118°58' west longitude.

It is accessible from the city of Penticton as follows: 38 miles south via B. C. Highway #97 to Osoyoos and thence 23 miles east via B. C. Highway #3 to Rock Creek. From Rock Creek, an unpaved forest access road leads north on the east side of Kettle River, for a distance of 3 1/2 miles to the property. A number of trails and old logging roads provide facile access to all parts of the property.

PHYSIOGRAPHY AND VEGETATION

The subject claims are located along a moderately sloping hillside on the east side of the Kettle River. Total relief on the property is in the order of 800 feet, being slightly less than 2,000 feet along the shore of

Kettle River and rising to 2,800 feet at the eastern boundary.

The claims are moderately forested with stands of pine, spruce, and fir. Cottonwood and willow are prevalent along the river and open meadows of grass and low brush are commonly found.

Outcrop is not abundant and the ratio of mineralized zones to total rock exposure suggests that there are almost certainly other mineral occurrences presently obscured by overburden.

HISTORY

The area in which the Riverside property is located has undoubtedly been well prospected over the years as it is surrounded by such well known mining camps as McKinney to the west, Beaverdell to the north and Greenwood to the east.

The first reference to work on the property is made in the Minister of Mines Annual Report for 1900. In 1901 "10 tons of selected ore was shipped . . . a sample taken of the clean ore gave an assay of \$2.40 in gold and 47 oz. silver to the ton". This material was reportedly taken from 4 sets of workings (one of which is one of the

two old shafts) and is described as "a seam of decomposed quartz about six inches thick varying as to dip and strike and carrying galena and lead carbonate from which an assay of 119 oz. of silver to the ton is reported."

The 1913 Annual Report of the Minister of Mines describes the property as having "two (main) parallel veins . . . in places these veins are almost horizontal and again they have a pitch of 45° . . . in some places the veins are well defined with distinct walls, and in others they are more irregular and indefinite. The main vein is developed by a 200 foot tunnel (adit #2) at the end of which it has disappeared; probably faulted. A short distance from the face of the tunnel a winze has been sunk 35 feet (note decline near end of adit #2 workings in figure #122-3) . . . it is claimed that the vein shows up nicely at the bottom of the winze and carries good values. The other vein is developed by a very flat incline (adit #4) . . . this vein is not as well developed as the other . . . throughout the workings seen, consisting of the incline and drifts to either side, with a few small stopes, the vein probably averages about 4 feet in width."

In 1921 the property was controlled by the Jack Paul Mining Company of Spokane, Washington and some work was done in the two shafts located northeast of and along

strike with adit #2. These shafts are now caved so that only the top 15 to 25 feet is visible. "Average samples taken over 3 feet of lead matter near the collar of the inclined shaft gave 0.08 to 0.12 oz. in gold, 29.5 to 34 oz. in silver, 3.5% lead and 7% zinc to the ton."

There is no further record of work having been done on the property.

GEOLOGY

The property is underlain by greenstones and detrital sedimentary rocks of the Anarchist Group which have been intruded by small, pod-like bodies of highly altered ultrabasic rocks.

On the Riverside property, the Anarchist Group consists predominantly of fairly massive "greenstones", interbedded with lesser amounts of grayish, impure quartzite, and calcareous siltstone. The greenstones vary from very fine grained, well sorted tuffs or tuffaceous sediments to coarse grained, andesitic flows in which hornblende crystals up to .5 cm long are commonly seen.

The rocks have been subjected to varying degrees of regional metamorphism as well as thermal effects from surrounding small outliers of the Nelson Batholith. A

propylitic type of alteration is commonly observed, consisting of varying degrees of chloritization, abundant veinlets and blebs of calcite and lesser amounts of epidote.

Faulting and shearing was noted in many of the underground workings and in such cases the country rock is intensely chloritized or bleached. Zones of gouge up to several feet wide may be produced. Such zones may contain one or more quartz veins varying from 2 to 8 inches wide, as well as veins and stringers of calcite.

Most of the outcrops of Anarchist rocks are fairly massive and it is difficult to detect bedding except where there is a substantial lithology change. However, several attitudes were obtained and the sequence appears to strike northwesterly and dip moderately northeast.

In the eastern part of the property and on the Imperial claim to the south, there are a number of lenses of highly altered ultrabasic rock. In some places, this rock resembles a serpentinite; however, it typically occurs as an orange-brown weathering, silica-talc-carbonate rock with frequent greenish mariposite on shear surfaces.

MINERALIZATION

The mineralization consists of varying amounts of pyrite, galena, and sphalerite in quartz veins, in calcite veins and stringers and also to a lesser extent as minor disseminated blebs along fractures in the wallrock.

The quartz veins are erratically mineralized, varying from completely barren to fairly well mineralized over a few feet. The sulphides occur as irregular clots and blebs up to a foot wide. The usual type of occurrence consists of one or more quartz veins varying from 2 to 8 inches wide with an envelope of altered, limonitic and/or pyritic, sheared wallrock surrounding them. Irregular stringers of calcite are common within the envelope of altered material. The sulphide mineralization is always of higher grade within the quartz veins but occurs also in calcite stringers or as fine grained, disseminated material within the envelope of altered rock.

The veins or mineralized zones seem to occur in two separate sets: one striking northeasterly and dipping moderately to steeply southeast and the other striking north - northwesterly and dipping shallowly northeast. Similar occurrences were noted on the properties north

and south of the Riverside group.

In adit #1 (see figure #122-3) an irregular zone centered around a narrow quartz vein strikes northeast and dips 60° to the southeast. It horsetails into several small stringers near the portal. Scattered pyrite, galena and sphalerite were noted in quartz and calcite stringers. A chip sample across a two foot zone consisting of a 3" quartz vein and shattered country rock with calcite stringers and sparse pyrite and sphalerite assayed:

0.01	oz.	Au
0.67	oz.	Ag
0.02	%	Cu
0.21	%	Pb
0.49	%	Zn

Adit #2 was driven on a mineralized zone which strikes northeast and dips moderately southeast. It varies from about a foot to more than 15 feet in thickness and some stoping was done on the wider sections (see figure #122-3). About 30 feet in from the portal at the first bend of the tunnel a chip sample (#30709) was taken across 2 feet of rusty pyritic gouge. It assayed as follows:

0.02	oz.	Au
7.9	oz.	Ag
0.04	%	Cu
0.69	%	Pb
3.65	%	Zn

Twenty feet east of this point, a grab sample (#14873) across 3 1/2 feet of the same material assayed:

0.01	oz.	Au
5.0	oz.	Ag
0.02	%	Cu
0.75	%	Pb
0.95	%	Zn

A further twenty feet beyond sample #14873, a selected sample from a 5" quartz vein, heavily mineralized with sphalerite and galena (#30711) assayed:

0.09	oz.	Au
31.0	oz.	Ag
0.11	%	Cu
2.42	%	Pb
13.6	%	Zn

Sample #30710, a chip sample across 1 1/2 feet of material which is primarily limonite-stained wallrock assayed:

0.01	oz.	Au
2.8	oz.	Ag
0.02	%	Cu
0.25	%	Pb
0.86	%	Zn

Approximately 150 feet beyond the portal of adit #2, there is a small underhand stope which is partly filled with water. A grab sample (#14872) from the wallrock of this stope, which is mostly sheared and recemented greenstone with scattered fine grained pyrite assayed:

0.005	oz.	Au
0.73	oz.	Ag
0.03	%	Cu
0.05	%	Pb
0.10	%	Zn

About 230 feet inside the portal of adit #2, an area of about 30' x 30' has been stoped out. The vein-shear zone seems to have swelled out here, possibly because of the intersection of several faults which are visible in the walls and back. An up-dip area above this stope has also been mined but is presently jammed with broken muck so that access is impossible. Some underhand stoping and a 35 foot decline or winze have been sunk on the down-dip portion of this mineralized section. A chip sample across a 15 foot width of the mineralized zone assayed:

0.010	oz.	Au
9.0	oz.	Ag
0.02	%	Cu
0.45	%	Pb
0.30	%	Zn

Immediately adjacent to the hanging wall of the 15' wide zone, there is an 8" wide section of semi-massive galena and sphalerite in a gangue of white calcite with some disseminated pyrite. A selected sample (#14869) of this material assayed:

0.30	oz.	Au
203.4	oz.	Ag
0.06	%	Cu
17.10	%	Pb
7.20	%	Zn

The footwall of the 15' wide zone is composed of sheared, greenish-gray volcanic rock with some minor

disseminated pyrite. A grab sample of this material (#14871) assayed:

0.005	oz.	Au
0.38	oz.	Ag
0.01	%	Cu
0.10	%	Pb
0.10	%	Zn

A decline or winze has been sunk for about 35 feet down the dip of the 15' wide zone. A grab sample from the floor of this decline (#14868) of material which is basically a calcite-greenstone breccia with abundant fine grained pyrite, assayed:

0.005	oz.	Au
0.98	oz.	Ag
0.01	%	Cu
0.05	%	Pb
0.05	%	Zn

On surface, about 300 feet northeast of the portal of adit #2, two small shafts are located on what is presumed to be the extension of the adit #2 mineralized zone. However, the zone is faulted and the extension is displaced about 60 - 80 feet southeast of where it should plot on surface (see figure #122-3). In the adit #2 workings, the mineralized vein-shear zone is cut off just beyond or northeast of the decline or winze. It is obvious from the splitting of the tunnel at this point that the old-timers were searching for the faulted extension.

Both of the old shafts on the adit #2 vein extension are now caved but the vein or zone as exposed appears to vary from 6 inches to 3.5 feet wide. A chip sample (#30708) taken across 6 inches of the best mineralized material in the 15 foot shaft assayed:

0.29	oz.	Au
77.0	oz.	Ag
0.05	%	Cu
2.87	%	Pb
0.13	%	Zn

A chip-channel sample taken by Mr. G. C. Gutrath, P. Eng. on January 29th., 1974 across a 3.5 foot mineralized zone in the 25 foot deep shaft assayed:

0.10	oz.	Au
35.6	oz.	Ag
1.46	%	Pb
1.54	%	Zn

Adit #3 appears to be a haulage way and exploratory tunnel. Some stringers of mineralized material are noted in crosscuts but no sampling was done. The walls and back are quite dirty and there may be additional mineralization which was not noticed by the writer.

Adit #4 was driven as a decline for some distance on a very shallowly dipping, northwest-striking vein. This

vein varies from almost flat lying to rolls which dip at 40° locally. It varies from less than one foot to over five feet in thickness, consisting of one or more quartz veins aggregating 4 to 10" wide and a rusty to blue-gray pyritic gouge material. Galena and sphalerite are visible only in the quartz vein material. A chip sample (#30713) across 18" of the pyritic gouge near the portal of adit #4 assayed:

0.04	oz.	Au
9.6	oz.	Ag
0.02	%	Cu
1.30	%	Pb
1.20	%	Zn

Another sample was taken at the east end of the flat stope in adit #4. This sample (#30714) is a chip sample of 2 feet of the zone, consisting primarily of the blue-gray, pyritic, gouge material. It assayed:

0.07	oz.	Au
22.3	oz.	Ag
0.02	%	Cu
1.15	%	Pb
2.25	%	Zn

A third sample (#30715) was taken in a cross-cut about 70 feet from the portal of adit #4. A chip sample over a 14" section of blue-gray to orange-brown, pyritic gouge assayed:

0.06	oz.	Au
19.2	oz.	Ag
0.04	%	Cu
2.40	%	Pb
3.70	%	Zn

Adit #5 is filled with water and could not be investigated. There are three shallowly dipping quartz veins present at the portal of this tunnel. The uppermost vein is the largest, varying from 2" to 6" in width, but having altered and limonite-stained wallrock surrounding it. This altered zone sometimes swells to as much as 2 feet in width. Below this main vein are two others, paralleling it and averaging 1" to 2" wide. All these veins are separated by 2 to 2.5 feet of country rock, portions of which are limonite-stained and mineralized with scattered pyrite. The veins themselves contain scattered pyrite, sphalerite and galena. A 5" chip sample across the best mineralized section in the main vein assayed:

0.08	oz.	Au
22.3	oz.	Ag
0.10	%	Cu
1.59	%	Pb
5.85	%	Zn

ECONOMIC POTENTIAL

High grade silver values are present over narrow widths in a number of veins and/or shear zones on the Riverside property. In places the mineralization swells to widths of 4 to 5 feet and as much as 15 feet in one instance. The mineralized zones are found in a relatively

small portion of the total property area (approximately 1/15). This area contains more outcrop than most of the remainder of the property. Similar mineralization is found on the claims to the north and south of the Riverside property. It seems likely, therefore, that additional mineralized zones are present but are currently masked by overburden.

Two possibilities exist for the development of small tonnages of high grade material in addition to that which already exists along strike and down dip from the present workings:

- (1). The intersection of 2 different sets of mineralized fracture systems sometimes produces a situation favourable to the localization of larger volumes of mineralized material. (This situation has produced the 15' wide mineralized section near the end of the adit #2 workings.)
- (2). Since there are at least 4 parallel, mineralized veins of the gently dipping set, it is possible that other blind veins exist below those exposed at the portal of adit #5. If additional high-grade veins were present and if the spacing between them was similar to that seen at adit #5, it might be worthwhile mining larger tonnages of lower grade material rather than selectively mining the high grade zones.

Therefore, there is a good potential for the discovery of additional amounts of high grade material on

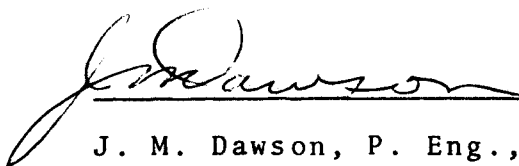
at least two of the zones presently known at the Riverside property and possibly from additional mineralized veins as yet undiscovered.

The property is ideally situated for a small, selective, high grade mining operation: (1). It is close to major highways, rail lines and service centers; (2). ample supplies of water and timber occur nearby, (3). a major power line lies within one mile of the property, (4). there is an ample supply of experienced miners in this district of B. C., (5). ore may be custom milled at the Dankoe Mines facility near Keremeos, and (6). two major smelters are located within 150 miles of the property.

Respectfully Submitted by:

KERR, DAWSON & ASSOCIATES LTD.,




J. M. Dawson, P. Eng.,
GEOLOGIST

Kamloops, B. C.,
December 31st., 1975.

APPENDIX A

ESTIMATED COST OF RECOMMENDED PROGRAMME

ESTIMATED COST OF RECOMMENDED PROGRAMME

Phase I

(Two Month Programme)

(A). Labour:

1 Geologist - Supervisor		
2 months @ \$3000/month	\$6,000.00	
1 Assistant		
2 months @ \$1500/month	<u>3,000.00</u>	\$9,000.00

(B). Truck Rental:

1 Standard Pick-up		
2 months @ \$400/month		800.00

(C). Supplies and Disbursements:

Board and Lodging	\$ 750.00	
Travel	200.00	
Assays	2,500.00	
Telephone, freight, and miscellaneous supplies	300.00	
Fuel and Minor Repairs	200.00	
Pump, hose, and mining equipment rentals.	<u>1,000.00</u>	4,950.00

(D). Trenching:

D-8 Cat c/w hydraulic blade and rippers fueled and operated - 60 hours @ \$60/hour	3,600.00	
Mob and Demob of Cat	<u>800.00</u>	4,400.00

(E). Diamond Drilling:

1,000 feet BQ wireline all inclusive @ \$14/foot		<u>14,000.00</u>
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CARRIED FORWARD \$31,100.00

Estimated cost of Recommended Programme continued.

BROUGHT FORWARD	\$31,100.00
(F). Cleanout, Retimbering, and Dewatering of Workings	15,000.00
(G). Consulting and Preparation of Reports	<u>1,500.00</u>
TOTAL ESTIMATED COST OF PHASE I	<u><u>\$47,600.00</u></u>

PHASE II

(Contingent upon Success of Phase I)

(A). Diamond Drilling:	
3,000 feet BQ wireline all inclusive @ \$14/foot.	\$42,000.00
(B). Engineering, Supervision, Assays, and Report	<u>7,000.00</u>
TOTAL ESTIMATED COST OF PHASE II	\$49,000.00
TOTAL COST OF PHASE I & PHASE II	96,600.00
CONTINGENCY @ 10%	<u>9,660.00</u>
TOTAL ESTIMATED COST OF PROGRAMME	\$106,260.00
ROUNDED	<u><u>\$106,000.00</u></u>



APPENDIX B

ASSAY RESULTS

To: Kerr-Dawson & Assoc.

REPORT No A25 - 952

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: December 19, 1975

1 - 219 Victoria Street
Kamloops, B.C.

CERTIFICATE OF ASSAY

Samples submitted: December 18, 1975
Results completed: December 19, 1975

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Pb	Zn					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
14868	0.005		0.98	0.01	0.05	0.05					
14869	0.30		203.4	0.06	17.10	7.20					
14870	0.010		9.0	0.02	0.45	0.30					
14871	0.005		0.38	0.01	0.10	0.10					
14872	0.005		0.73	0.03	0.05	0.10					
14873	0.010		5.0	0.02	0.75	0.95					



Registered Assayer, Province of British Columbia

9 - 219 Victoria Street
Kamloops, B. C.

CERTIFICATE OF ASSAY

Samples submitted: April 13, 1973
Results completed: April 16, 1973

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Pb	Zn					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
30707	0.01		0.67	0.02	0.21	0.49					
30703	0.29		77.0	0.05	2.37	0.13					
30709	0.02		7.9	0.04	0.69	3.65					
30710	0.01		2.5	0.02	0.25	0.86					
30711	0.09		31.0	0.11	2.42	13.6					
30712	0.03		22.3	0.10	1.59	5.85					
30713	0.04		9.6	0.02	1.30	1.20					
30714	0.07		22.3	0.02	1.15	2.25					
30715	0.06		19.2	0.04	2.40	3.70					

APPENDIX C

REFERENCES

REFERENCES

- Gutrath, G. C., (1974): - Report on Riverside Property
for Alberni Mines Ltd. (N.P.L.).
- Dawson, J. M., (1973): - Report on Riverside Property
for Viking Mines and Petroleums
Ltd. (N.P.L.).
- Hedley, M. Sc., (1940): - Geology of Camp McKinney and of
the Caribou-Amelia Mine; B.C.
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- Little, H. W., (1961): - Kettle River (west half), British
Columbia; G.S.C. Map 15-1961.
- Annual Reports of B. C. Minister of Mines for years 1901, 1905, 1907,
1913, and 1921.

APPENDIX D

WRITER'S CERTIFICATE

**JAMES M. DAWSON, P.ENG.
GEOLOGIST**

9-219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

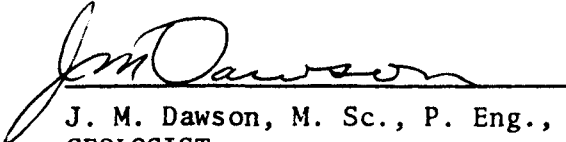
CERTIFICATE

I, JAMES M. DAWSON OF KAMLOOPS, B. C., DO HEREBY CERTIFY THAT:

- (1). I am a geologist residing at 1523 Robinson Crescent, Kamloops, B. C. and employed by Kerr, Dawson and Associates Ltd., of Suite #1-219 Victoria Street, Kamloops, B. C.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association of Canada and a Member of the Association of Professional Engineers of B. C. I have practised my profession for twelve years.
- (3). I am the author of this report which is based on personal examinations of the Riverside property on April 10th. & 11th., 1973, and December 5th., 1975 as well as a review of all pertinent literature on the district.
- (4). I have no beneficial interest in Alberni Mines Ltd. (N.P.L.), or in the property discussed in this report nor do I expect to receive any.



KERR, DAWSON & ASSOCIATES LTD.,


J. M. Dawson, M. Sc., P. Eng.,
GEOLOGIST

December 31st., 1975,
KAMLOOPS, B. C.

APPENDIX E

MAPS

REPORT

- on the -

STUMP LAKE PROPERTY

Nicola Mining Division

British Columbia

- for -

ALBERNI MINES LTD. (N. P. L.),

4913 Argyle Street,

PORT ALBERNI, B. C., V9Y 1V6.

Prepared by:

KERR, DAWSON AND ASSOCIATES LTD.,

#1-219 Victoria Street,

KAMLOOPS, B.C.

J. M. Dawson, P. Eng.,

April 3rd., 1976.

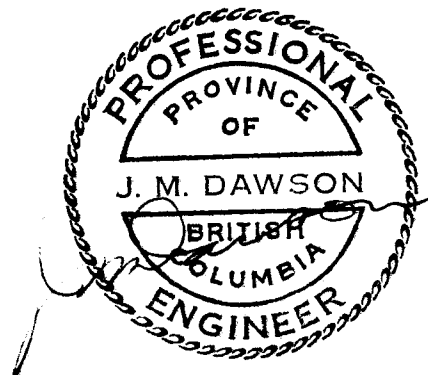


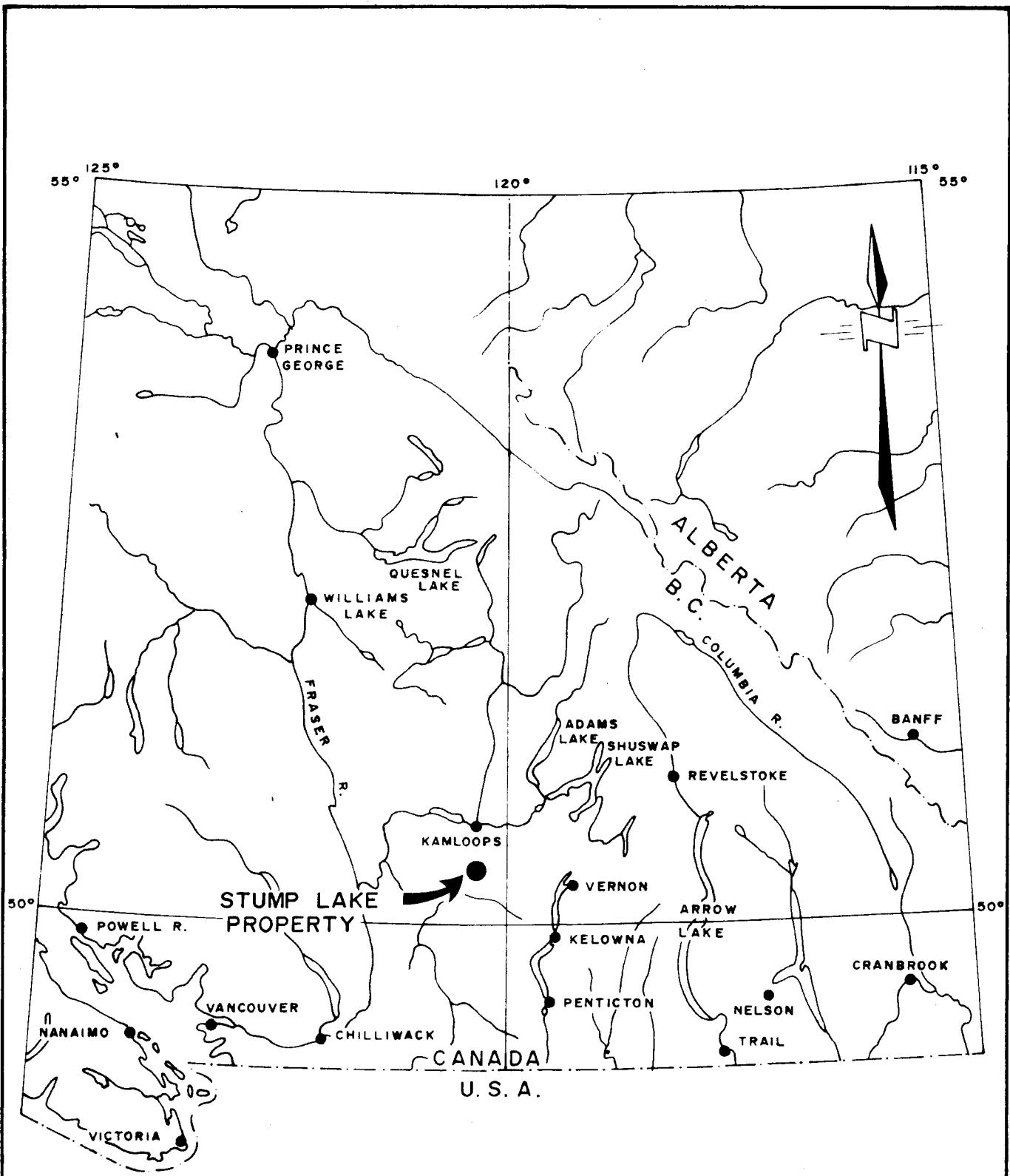
TABLE OF CONTENTS

	<u>Page No.</u>
INTRODUCTTION	1
SUMMARY AND CONCLUSIONS	1
RECOMMENDATIONS	2
PROPERTY	3
LOCATION AND ACCESS	3
PHYSIOGRAPHY AND VEGETATION	4
HISTORY	4
GEOLOGY	5
MINERALIZATION	5
ECONOMIC POTENTIAL	6

APPENDIX	A:	Estimated Cost of Recommended Programme
APPENDIX	B:	Assay Results
APPENDIX	C:	References
APPENDIX	D:	Writer's Certificate
APPENDIX	E:	Maps

Figure #131 - 1 Location Map

Figure #131 - 2 Claim Map



ALBERNI MINES LTD. (N.P.L.)

LOCATION MAP

STUMP LAKE PROPERTY

NICOLA MINING DIVISION
BRITISH COLUMBIA

Date: MARCH 27, 1976	Scale: 1" = 64 Miles
Dwn by: G. R.	Dwg no. 131-1

To Accompany A Report By J.M. DAWSON, P. Eng.

INTRODUCTION

The report has been prepared at the request of Alberni Mines Ltd. (N.P.L.). It is based on the results of a brief examination of the property by the writer on March 24th. and 25th., 1976, as well as various published and unpublished reports on the district.

Several character samples of the mineralization were taken and the assay results are herein appended. Maps showing the location and disposition of the claims were prepared and are included in the text of this report.

SUMMARY AND CONCLUSIONS

(1). The Alberni Mines Stump Lake property consisting of nine metric units in four claims is located east of the north end of Stump Lake about 22 miles south of the City of Kamloops. The property is road accessible, essentially devoid of trees and is snow-free from April through November.

(2). The first recorded work on the property was carried out by Vananda Mines in 1956 and consisted of geological mapping and shallow hand trenching. At least one drill hole was drilled on the property but no assays are available on any of this work. No exploration has been done on the property since the mid 1950's.

(3). The general area is underlain by volcanic and sedimentary

rocks of the Nicola and Cache Creek Groups. No intrusive rocks were noted on the property but granitic rocks of the Wildhorse Batholith and the Central Nicola Batholith outcrop five miles east and west of the property respectively.

(4). A prominent east - northeasterly trending alteration zone reported to be approximately 3,000 feet long and up to 300 feet wide occurs in the northwest portion of the claim block. Extensive quartz-carbonate veining as well as shearing and fracturing is noted in this zone. Scattered fine grained, disseminated chalcopryrite and tetrahedrite is found in the veins and altered country rock and copper carbonate staining of fracture surfaces is common.

(5). Low grade but significant silver and copper values are present in material assayed from some of the trenches. The zone is a strong persistent feature which is capable of hosting moderate tonnages of silver - copper ore and exploration work to test the potential is recommended.

RECOMMENDATIONS

PHASE I:

- (1). Geologically map and prospect the property in a reconnaissance fashion.
- (2). Delineate the main area(s) of interest by geochemical sampling for copper and silver.
- (3). Trench any significant geochemical anomalies with a bulldozer.
- (4). Test the mineralization at depth with a series of shallow, percussion drill holes.

PHASE II:

Contingent upon the success of Phase I, further percussion and diamond drilling should be carried out.

PROPERTY

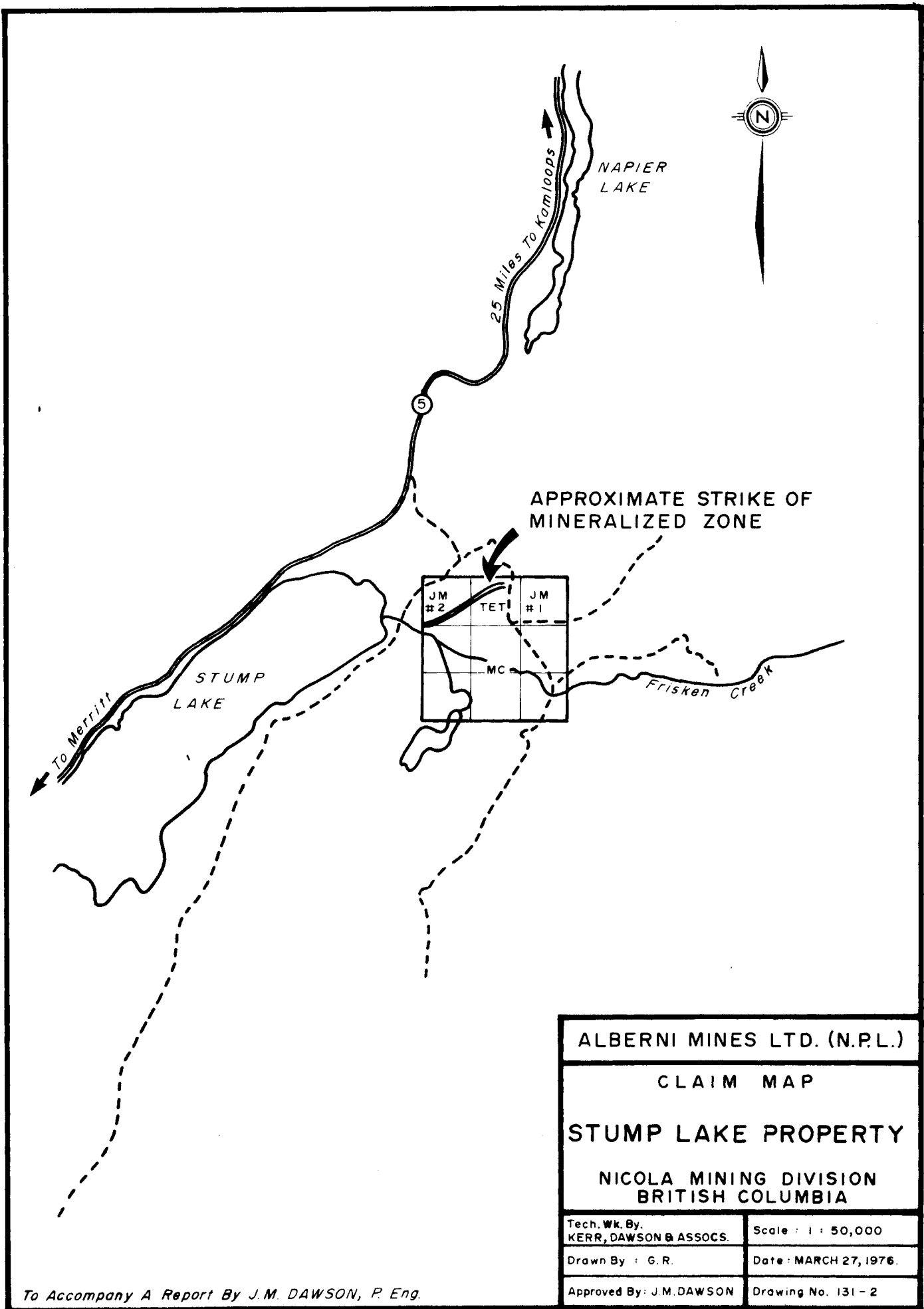
The property consists of a contiguous block of nine metric units in four claims as follows:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Tet #1	1	64	January 21st., 1977
MC	6	74	February 23rd., 1977
JM #1	1	87	March 29th., 1977
JM #2	1	88	March 29th., 1977

LOCATION AND ACCESS

The property is located in south central British Columbia about 22 miles due south of the City of Kamloops. The approximate geographic centre of the claims is at 50° 23' north latitude and 120° 19' west longitude.

The claims are road accessible via Highway No. 5 south from Kamloops for about 25 miles to the north end of Stump Lake. From this point a gravel road leads south - westerly for about 1 1/2 miles to the claim block. All parts of the property are readily accessible on foot.



ALBERNI MINES LTD. (N.P.L.)

CLAIM MAP

STUMP LAKE PROPERTY

NICOLA MINING DIVISION
BRITISH COLUMBIA

Tech. Wk. By.
KERR, DAWSON & ASSOCS.

Scale : 1 : 50,000

Drawn By : G. R.

Date : MARCH 27, 1976.

Approved By : J.M. DAWSON

Drawing No. 131 - 2

To Accompany A Report By J.M. DAWSON, P. Eng.

PHYSIOGRAPHY AND VEGETATION

The claim block occupies a portion of the southeast slope of the valley containing Stump Lake. Topography is moderate to gently rolling with relatively few bedrock exposures. Elevations vary from just under 2,500 feet A.S.L. at the northwest corner of the property to about 3,100 feet A.S.L. along the eastern boundary.

The property is essentially rolling grassland with a few trees along the valley of Frisken Creek.

HISTORY

The Stump Lake area has seen much intermittent mining activity over the years, most of it concerned with the gold, silver, and base metal occurrences around the old Stump Lake Mine some 3 miles southwest of the subject claims. There has been considerable recent staking in this area and the entire area between the Alberni property and the old Stump Lake Mine is now tied up.

There is no record of work on the property in any government publications; however, an old assessment report of Vananda Mines dated July, 1956, describes the geology and mineralization very briefly. There are a number of shallow hand trenches and pits along the strike of the mineralization and presumably they date from this era. One old diamond drill site was noted; however, no records of sampling from the trenching or drilling are recorded.

GEOLOGY

The property is underlain by volcanic and sedimentary rocks of the Nicola and Cache Creek Groups. The Nicola rocks consist of intermediate volcanic flows and tuffs or "greenstones". They are usually medium to fine grained, greenish to dark gray in colour and sometimes finely porphyritic. The Cache Creek rocks were not examined by the writer but are reported by Elliot (1956) to occur south of an interpreted fault which occupies the valley of Frisken Creek. Elliot (1956) notes that these rocks consist of dark aphanitic, basaltic flows as well as finely banded, tuffaceous beds.

There is a prominent alteration zone reported by Elliot (1956) to be approximately 3,000 feet long and up to 300 feet wide. This zone strikes approximately N 64°E and can be easily noticed because of the distinctive orange-brown colour of outcrops within it. This zone has been extensively fractured, bleached, and impregnated with irregular veinlets and stringers of quartz and carbonates.

MINERALIZATION

Mineralization consists of fine grains and blebs of chalcopyrite and tetrahedrite in quartz and quartz-carbonate stringers within the prominent zone of alteration. Frequent coatings of malachite and azurite are found on fracture surfaces in vein material and in altered country rock within the alteration zone.

Grab samples of material carrying minor copper carbonates and traces of chalcopyrite and tetrahedrite were taken from five pits over about 1,500 feet of the mineralized zone. They assayed as follows:

<u>Sample No.</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>
K-870-1	0.01 oz/ton	0.12 oz/ton	0.21 %
K-870-2	0.005 oz/ton	0.08 oz/ton	0.07 %
K-870-3	0.005 oz/ton	2.13 oz/ton	0.49 %
K-870-4	0.008 oz/ton	0.89 oz/ton	0.76 %
K-870-5	Tr.	1.46 oz/ton	0.29 %

ECONOMIC POTENTIAL

Copper and silver values occur in quartz-carbonate veins and stringers as well as on fractures in altered country rock within a zone reported to be up to 300 feet wide and about 3,000 feet long (see figure 131-2). It is not known if other parallel zones exist or whether the known zone extends beyond the currently known strike length as outcrop is not plentiful on the property. No data is available on the continuity or grades within the zone at depth. The zone is large enough to host a moderate tonnage of economically significant copper-silver ore and further work to test this possibility is warranted.

Respectfully Submitted:

KERR, DAWSON & ASSOCIATES LTD.,



Kamloops
April 3rd., 1976.

James M. Dawson
James M. Dawson, P. Eng.,
GEOLOGIST

APPENDIX A

ESTIMATED COST OF RECOMMENDED PROGRAMME

PROGRAMME COSTS

PHASE I:

(A).	Geological Mapping and Prospecting		\$ 1,200.00
(B).	Grid work and Geochemical Sampling		1,600.00
(C).	Bulldozer Trenching		
	D-8 Cat 50 hrs. @ \$70/hour	\$3,500.00	
	Mob and Demob of Cat	<u>500.00</u>	4,000.00
(D).	Percussion Drilling		
	1,200 feet all inclusive @ \$3.50/foot		4,200.00
(E).	Supervision, Assays and Final Report		<u>2,500.00</u>
	Sub Total		\$13,500.00
	Contingency @ 10%		<u>1,350.00</u>
	Total Estimated Cost of Phase I		\$14,850.00
	Rounded		<u>\$15,000.00</u>

PHASE II: (Contingent upon success of Phase I)

	Percussion Drilling		
	5,000 feet all inclusive @ \$3.50/foot		\$17,500.00
	Supervision, Assays and Final Report		<u>5,500.00</u>
	Sub Total		\$23,000.00
	Contingency @ 10%		<u>2,300.00</u>
	Total Estimated Cost of Phase II		\$25,300.00
	Rounded		<u>\$25,000.00</u>

TOTAL ESTIMATED COST OF PHASES I & II \$40,000.00

APPENDIX B

ASSAY RESULTS



Kamloops Research & Assay Laboratory Ltd.

WEST TRANS CANADA HIGHWAY - BOX 946 - KAMLOOPS, B.C. V2C 5N4

B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS

CERTIFICATE OF ASSAY

TO Kerr, Dawson & Associates Ltd.,
1 - 219 Victoria St.,
Kamloops, B. C.

Certificate No. K-870
Date April 2, 1976.

I hereby certify that the following are the results of assays made by us upon the herein described chip samples

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
K-870-1	39171	.01	.12	.21						
2	39172	.005	.08	.07						
3	39173	.005	2.13	.49						
4	39174	.008	.89	.76						
5	39175	Tr	1.46	.29						

Tr denotes "trace"

NOTE:

Rejects retained three weeks
Pulps retained three months
unless otherwise arranged.

.....
Registered Assayer, Province of British Columbia

APPENDIX C

REFERENCES

REFERENCES

- Cockfield, W. E. (1961): - Geology and Mineral Deposits of Nicola Map - Area, British Columbia; G.S.C. Memoir #249.
- Elliot, W. J. (1956): - Report on the Stump Lake Area; Private Report to Vananda Mines Ltd.
- Aeromagnetic Map of Stump Lake, British Columbia; Geophysics Paper #5213, Dept. of Energy, Mines and Resources.

APPENDIX D

WRITER'S CERTIFICATE

JAMES M. DAWSON, P. ENG.
GEOLOGIST

9 - 219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

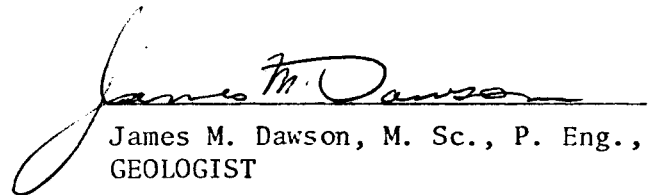
CERTIFICATE

I, JAMES M. DAWSON OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

- (1). I am a geologist, residing at 1523 Robinson Crescent, Kamloops and employed by Kerr, Dawson and Associates Ltd. of Suite #1 - 219 Victoria Street, Kamloops, B. C.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association of Canada and a member of the Association of Professional Engineers of British Columbia. I have practised my profession for 13 years.
- (3). I am the author of this report which is based on my personal examination of the subject property on March 24th. and 25th., 1976, as well as on various published and unpublished data.
- (4). I have no beneficial interest in Alberni Mines Ltd. (N.P.L.) or in the property discussed in this report nor do I expect to receive any.

KERR, DAWSON AND ASSOCIATES LTD.,




James M. Dawson, M. Sc., P. Eng.,
GEOLOGIST

Kamloops, B. C.,
April 3rd., 1976.

April 23, 1976.

The Members of
Alberni Mines Ltd. (Non Personal Liability),
Port Alberni, B. C.

We have examined the Balance Sheet of Alberni Mines Ltd. (Non Personal Liability) as at April 9, 1976 and have obtained all the information and explanations we required. Our examination included a general review of the accounting procedures and such tests of the accounting records and other supporting evidence as we considered necessary in the circumstances.

In accordance with an agreement dated March 26, 1974 the company is obligated to allot 50,000 shares at .60¢ per share.

In our opinion, the attached Balance Sheet is properly drawn up in accordance with generally accepted accounting principles so as to present fairly the financial position of the company as at April 9, 1976 according to the best of our information and the explanations given to us and as shown by the records of the company.

Respectfully submitted,

Power & Clouston,
Chartered Accountants.


C. A. Clouston

CAC/mc

The balance raised will be used for general corporate purposes, and subject to the acceptance by the Vancouver Stock Exchange of a Report on the Cup Group, expended on that property. The work to be performed on properties will, in general, be expended equally on the Riverside Property and the Cup Group (subject to the filing of an acceptable Report) before any work, other than assessment work, is performed on the Stump Lake Property.

None of the proceeds of the offering will be used for operations on other properties without the consent of the Vancouver Stock Exchange.

Item 6 - Directors and Officers

The names, addresses and chief occupations for the past five years of the directors and officers of the Company are:

<u>Name, Address, Position with Company</u>	<u>Occupation for Past Five Years</u>
Alfred Louis (Mike) Andrews Box 10, R.R. #1, Seacrest, Qualicum, B.C. President and Director	President - A.L. Andrews & Sons Ltd. (Logging) President - Alberni Mines Ltd. (N/P.L.)
Melvin Clark Thompson 533 N. 12th Avenue Port Alberni, B.C. Secretary and Director	Geologist, from time to time retained on research by Alberni Mines Ltd. (N.P.L.)
William Frederick McLaren #303-1122 Burnaby Street Vancouver, B.C. Director	President of Viking Mines Ltd. Self-employed prospector and mining man
Abdul Jalil P. O. Box 962 Elberton, Georgia 30635 U.S.A. Director	President, Crescent Development Corporation and Electrowin, Inc.

Item 10 - Agents

Brink, Hudson & Lefever Ltd.

The beneficial shareholders of Brink, Hudson & Lefever Ltd. holding more than 5% of the issued shares are:

Name and Address	No. and Class	% of Class of Shares Held
Harold W. Lefever 4212 Cypress Street Vancouver, B. C.	3271 common	18.3%
Francis A. Lefever 8421 Oak Street Vancouver, B. C.	2606 common	14.6%
Lorne C. Aggett #2410-1644 Nelson Street Vancouver, B. C.	1519 common	8.5%
Donald H. Byers 1308 West 37th Avenue Vancouver, B. C.	2374 common	13.3%
Brian D. Graves #1901-1816 Haro Street Vancouver, B. C.	2606 common	14.6%
G. Douglas MacDonald 6090 Elenheim Street Vancouver, B. C.	1182 common	6.6%

Items 12, 14 and 15 - Properties and Assets

(a) Riverside Lease

By an Agreement dated the 26th of March, 1974 between Andrew Babiy ("Babiy") of 1065 Singh Road, Kamloops, B. C. and the Company, the Company has purchased from Mr. Babiy a mineral lease situated 23 miles east of Osoyoos in the Greenwood Mining Division, Province of British Columbia, known as the Riverside Mineral Lease No. M-415 for a purchase price of \$7,500.00 cash and 75,000 fully paid and non-assessable shares in the Company. The sum of \$7,500.00 has been paid to Mr. Babiy and, in addition, Mr. Babiy has received 55,000 of the shares to which he is entitled, 25,000 from the treasury of the Company and 30,000 from the president of the Company, Mr. A. L. "Mike" Andrews. Application has been made to governing regulatory bodies for the approval of the allotment and issuance to Mr. Babiy of the remaining 20,000 shares to which he is entitled and for the approval to the allotment and issuance of the said 30,000 shares to Mr. Andrews in order to replace the shares that he transferred to Mr. Babiy.

Reference is made to the property in the Minister of Mines Annual Report for 1900, 1913 and 1921. In 1901, 10 tons of selected ore was shipped from the property. In 1913, four cars of ore were shipped from the property, netting about \$300 per car. In 1921, two shafts were sunk on the property.

There is no record of further work having been carried out since 1921, until recently when the Company performed work costing \$10,000 to clear the caved sections in the stope areas and dewater the inclined winze at the end of No. 2 adit.

The Company has also recently staked three mineral claims adjoining the Riverside Lease, described as Ali (6 units), Irene (6 units) and Nona (8 units), Record numbers 212, 240, and 241 respectively, all situated in the Greenwood Mining Division.