

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**10,772**

REPORT

- on the -

LYNX, CAM & FOX CLAIMS  
OSOY00S & GREENWOOD M.D.

- for -

ALLENDALÉ RESOURCES LTD.  
224 West Esplanade St.  
North Vancouver, B.C.  
V7M 1A4

Prepared by:

KERR, DAWSON AND ASSOCIATES LTD.  
#206 - 310 Nicola Street,  
Kamloops, B.C. V2C 2P5

John R. Kerr, P. Eng.

November 5, 1982

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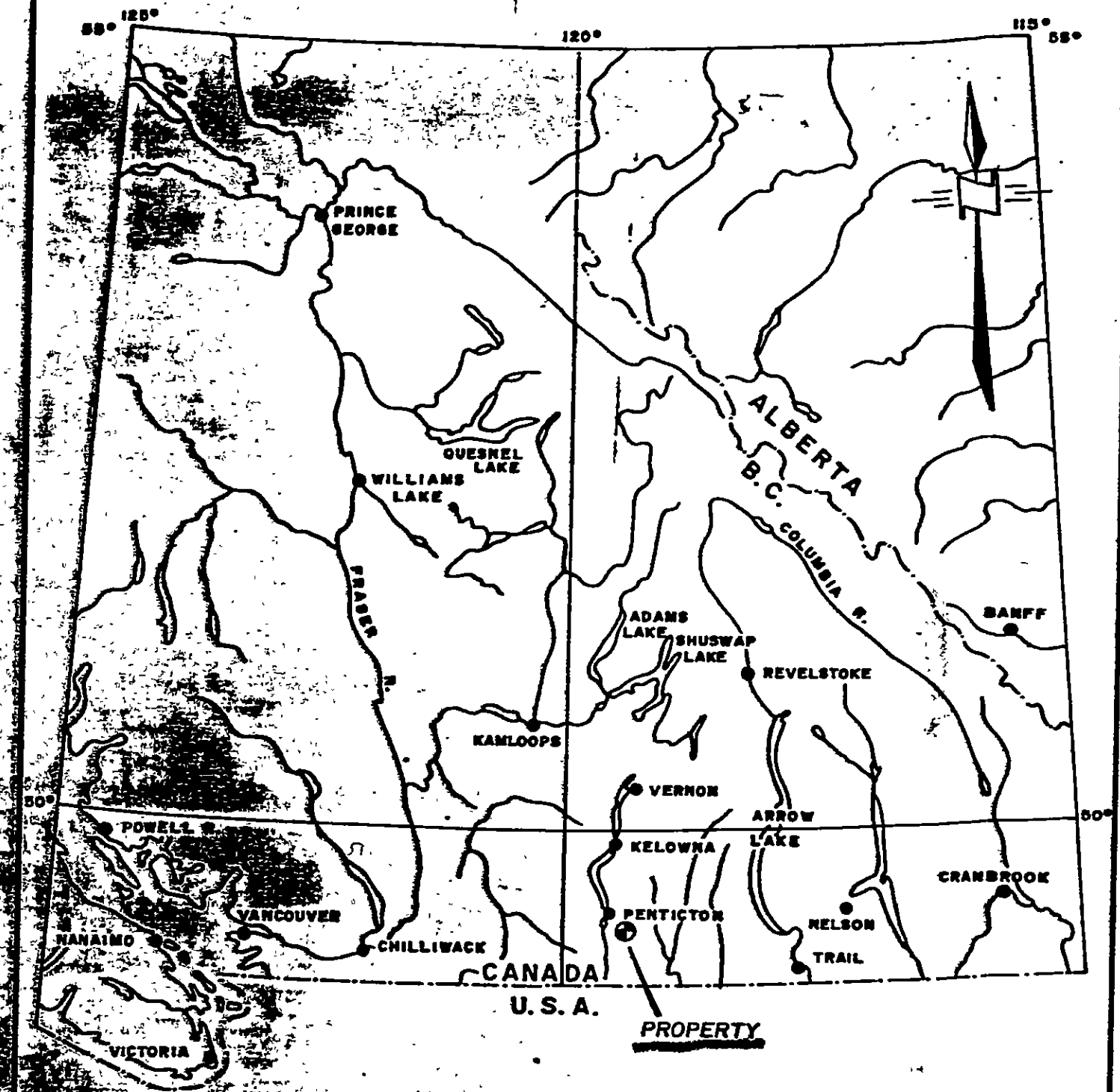
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SUMMARY

- (1). The Lynx, Cam, and Fox claims were staked to cover copper and silver mineralization in a syenite stock, 18km east of the town of Okanagan Falls, B.C. The property was worked on during the early 1970's in attempt to develop known showings. There has been no previous production.
- (2). The principle rock type on the property is a coarse-grained porphyritic, mafic-rich Tertiary syenite stock. Later intrusive phases of the main syenite are weakly-moderately altered and carry disseminated pyrite chalcopryite, bornite, chalcocite, malachite, azurite, and possible tetrahedrite.
- (3). The property offers potential for development of small high-grade copper-silver reserves. Two samples selected from mineralized rock average 4.1% Cu and 2.42 oz./T Ag, over widths of 0.6 - 1.2 meters. If large masses of the favourable altered and mineralized rock exist within the claim block, the potential of developing a large low-grade copper-silver-gold porphyry deposit is considered excellent.
- (4). A two-phase exploration programme is recommended on the property. The initial phase, consisting of geological mapping, geochemistry, magnetics, and an I.P. survey is anticipated to cost \$60,000. The second phase, consisting

Summary ... Continued

- (5). of diamond drilling and bulldozer trenching, is anticipated to cost \$90,000.



# LOCATION MAP ALLENDALE LAKE PROPERTY

OSOYOOS & GREENWOOD M.D., B.C.

Date: Nov. 1982.

Scale: 1" = 64 Miles

Drawn by: W.G.

Dwg no. 283-1

## INTRODUCTION

### General Statement

The Allendale Lake property was staked to cover copper-silver-gold mineralization in a Tertiary coarse-grained syenite stock located on the divide between the Okanagan and Kettle Rivers. The mineral occurrences are located in a later fine-grained altered phase of the syenite, small pockets indicating economic contents of copper and silver, and anomalous contents of gold. During the summer of 1982, Allendale Resources Ltd. drilled five diamond drill holes in areas of obvious mineralized zones.

Mr. M. M. Menzies, President of Allendale, requested that I log the core, review the sampling process and assay data, and examine the various showing area. This report summarizes the results of this examination and all pertinent data.

### Location and Access

The claims are located 18 km east of the community of Okanagan Falls, B.C. on the southern portion of the Okanagan Valley. Geographic coordinates of the center of the property are 49° 23' N, and 119° 21' W.

Access is possible via a well-maintained gravel road to Allendale Lake, a distance of 24 km east of Okanagan Falls, and thence 1.5 km west to the main showing areas along a 4 x 4 dirt road.

### Topography and Vegetation

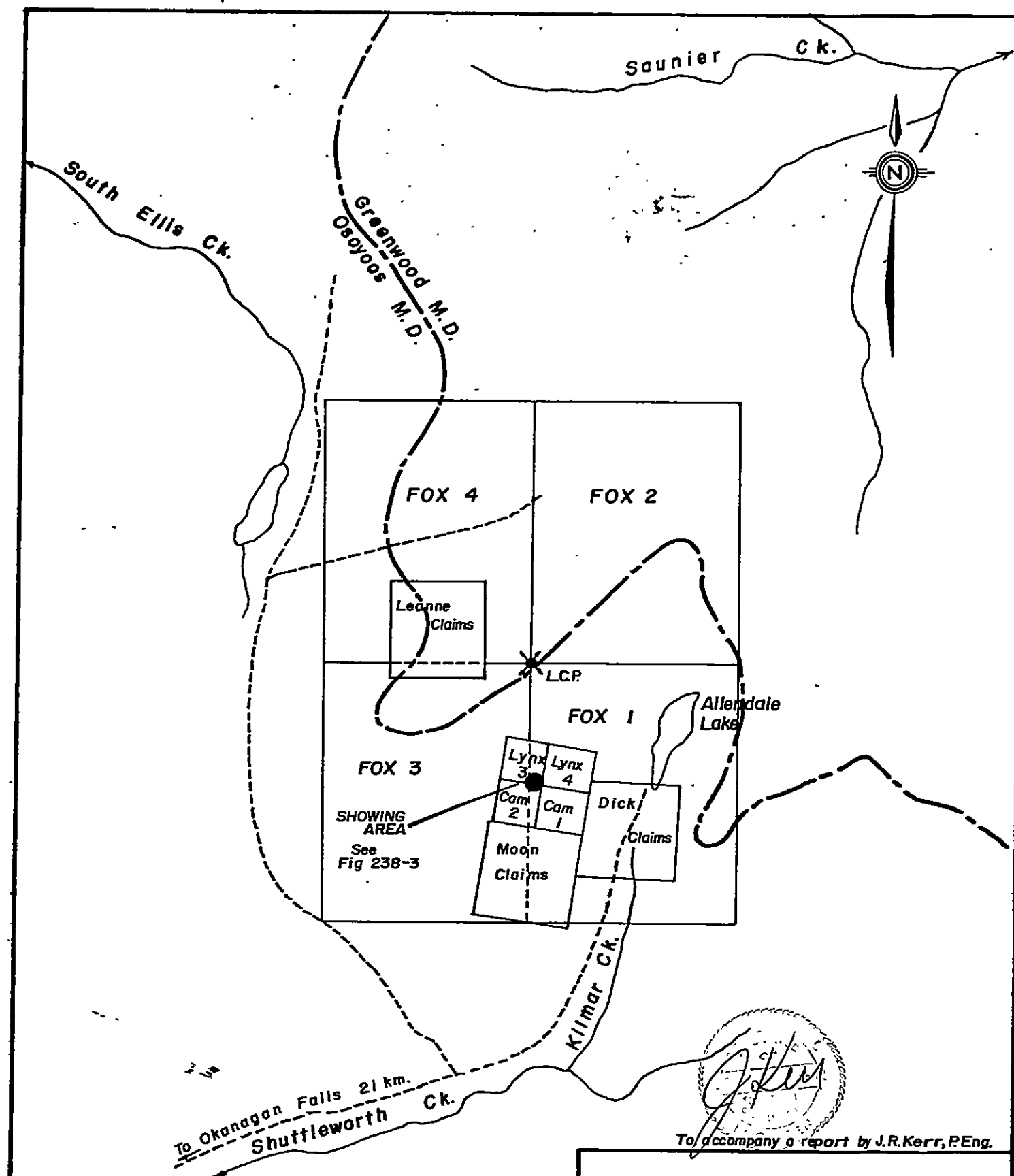
The claims are located on the divide between the Okanagan and Kettle River valleys. Relief is generally moderate, however, local rocky knolls, gives rise to precipitous, hummocky terrain. Elevations range from 1,500 m (a.s.l) to 1,850 m (a.s.l.).

The property is lightly forested, trees being mainly stands of jack pine. Land depressions are generally filled with deep overburden, swamps, and light to moderate underbrush. Rocky knolls are lightly covered with overburden, and are occasionally devoid of vegetation.

### Claims

The property consists of eight contiguous mineral claims, four located by the two post (2-post) method of staking, and four located by the Modified Grid System (M.G.S.) of staking. The following provides information regarding the legal description of each claim:

<u>Claim Name</u>	<u>Type of Claim*</u>	<u>Record No.</u>	<u>No. Units/Mining Div.</u>	<u>Expiry Date**</u>
Cam #1	2-Post	1482	1 Osoyoos	Dec. 2, 1982
Cam #2	2-Post	1483	1 Osoyoos	Dec. 2, 1982
Lynx #3	2-Post	1422	1 Osoyoos	July 16, 1982
Lynx #4	2-Post	1423	1 Osoyoos	July 16, 1982
Fox #1	MGS	3103	20 Greenwood	June 21, 1983
Fox #2	MGS	3104	20 Greenwood	June 21, 1983



To accompany a report by J.R. Kerr, P.Eng.

**INDEX MAP**  
**ALLENDALE LAKE PROPERTY**  
**FOX LYNX AND CAM CLAIMS**  
 OSOYOOS & GREENWOOD MINING DIVISIONS, B.C.

Tech. Work By:  
 Kerr, Dawson & Assoc. Ltd.

Scale : 1:50,000

Drawn By : W.G.

Date : Nov. 1982.

Approved By: J.R.K.

Fig No. 283-2

N.T.S. NO.



Claims ... Continued

Fox #3	MGS	3105	20	Greenwood	June 21, 1983
Fox #4	MGS	3106	20	Greenwood	June 21, 1983

- \* The various types of claims are defined in the Mineral Act for the Province of British Columbia, and accompanying regulations.
- \*\* The assessment work, the data compiled in this report, has been completed, and on approval of this data, the expiry dates will be changed.

A partial title search completed on October 7, 1982, indicated that the Fox claims were recorded in the name of Stephen B. Fox (professional claim staker), and the Cam and Lynx claims were recorded in the name of Florence E. Bechtel (formerly Nidderly). It is my understanding that these claims have subsequently been transferred to Allendale Resources Ltd.

The attached map is based on an updated map obtained from the Mining Recorder's office in Penticton; my personal examination of some the claim posts. Irregularities as to the claim boundary exist due to claims held by other interests at the time the Fox claims were located.

History

It is unknown as to when mineralization was discovered at Allendale Lake, however the property was recognized for its porphyry copper potential during the 1960's. The only

History ... Continued

evidence of work is considerable trenching in the areas of the known showings. Old sills and scattered drill core indicate the presence of at least two diamond drill holes. This work was evidently completed by Selco during the early 1970's. Documentation of this data or results of this work are unavailable. Alledales Resources acquired interest in the property in the spring of 1982, and completed a five hole drill programme during the summer months.

### FIELD PROGRAMME - 1982

Five diamond drill holes were completed, totalling 610 meters (2002 ft.). The drilling was completed by Rosaire Beaupre of Princeton, B.C., utilizing a Longyear Super 38 drill rig. The core was placed in wooden trays, appropriately identified with box and hole number, and depth was marked with tags at each pull of drill core (in feet).

The core was split and sampled by Mr. Robert Bechtel of Okanagan Falls, the samples shipped to Kamloops Research and Assay Laboratories for copper, silver and gold assay. Samples were collected over ten foot intervals from all drill holes.

The writer travelled to the property in October, 1982 and geologically logged all the drill core. In addition a soil traverse was completed across a known mineralized zone to test the geochemical response of copper, silver, and gold in soil over known mineralization. Two selected samples of mineralized rock were collected to study the relationship of gold/silver/copper.

The diamond drill logs are appended to this report (APPENDIX B), and assay and geochemical reports appear as APPENDIX C.

### GEOLOGY

The general geology of the area is documented on the 1";4 mi. G.S.C. map sheet #15-1961. The geological mapping and compilation completed by H. W. Little in 1958 and 1959.

The claim block centers around a small ( $8 \text{ km}^2$ ) syenite stock, one of the several mid Tertiary Coryell intrusions. This stock intruded granodiorite and quartz-monzonite rocks of the Cretaceous Valhalla and Nelson plutonic events, and schists and gneisses of the Precambrian Monashee Group. Outliers of mid-late Tertiary sedimentary and volcanic rocks exist within the general area of the claims.

There is no evidence indicating that the property has been geologically mapped. All rock examined by the writer in the area of the showings belong to the Coryell syenite and related intrusive rocks. All drill holes encountered rocks of the Coryell syenite and related phases. The G.S.C. map indicates that the eastern contact of the syenite stock passes through the eastern portion of the claim block. The stock is bounded on the north and east by granodiorite of the Valhalla intrusions, on the northwest by granodiorite of the Nelson intrusions, and on the south and west by Precambrian gneisses and schists.

Four distinct phases of the Coryell syenite were recognized in surface out crop and the drill core:

Geology ... Continued

1. Coarse-grained, porphyritic, dark grey hornblende/biotite rich syenite, distinguished by coarse phenocrysts of orthoclase. The rock is generally massive, fresh, relatively unfractured, and indicates minor to weak signs of secondary alteration. Alteration when present includes Kaolinization of orthoclase, chloritization of the mafics, and chlorite/epidote along fractures. Occasional pyrite grains are disseminated in the rock and along fractures. A relatively high content of magnetite (1-3%) is throughout the rock.
2. Fine-medium grained, mafic-rich dark grey/black intrusive rock (syenite?). This appears to be an early crystal segregation of the rock magma at the time of emplacement of the batholith. Contacts of this rock with the main syenite mass are very gradational. Weak-moderate chlorite alteration is prevalent in this rock, occasionally containing appreciable (1-3%) pyrite, and traces of Chalcopyrite.
3. Light grey, fine-medium grained syenite or monzonite. The mafic content is appreciably lower than the main syenite mass, and is dominantly biotite. The rock is fresh, massive, dense, and shows very little sign of secondary alteration.

Geology ... Continued

The contacts of this rock are sharp and well-defined, indicating a separate and later intrusive event.

4. Small pods, dykes and sills of fine-grained buff/white/light grey granodiorite, granite or aplite. The rock appears quite variable in original composition and secondary alteration. The common feature of the rock is a moderate content of primary quartz as grains and masses within the rock. Alteration is extremely variable, ranging from weak to high secondary silicification, sericitization, K-feldspar, and kaolinization. Variable content of sulphides, consisting of pyrite, chalcopyrite, chalcocite, bornite, and possibly tetrahedrite exist within the rock. Although these pods and dykes of mineralized rock appear prevalent on the surface, only one 4-6 inch dyke was encountered in any drill hole. In bedrock exposures the rock has been highly oxidized with abundant malachite and azurite.

This rock appears to be intruding all other phases other phases of the syenite, and is probably the last geological event of the syenite intrusion.

Also logged in the drill core were irregular masses of rock believed to be highly thermally altered xenoliths. These rocks are in part very crystalline, and appear to be intrusive. Confusion, therefore, exists in identifying these rocks with the black altered mafic-rich phase of the

Geology ... Continued

syenite.

There are no major structural features present in the area.

LYNX 4

Possible Location  
DDH's (Selco 1973)



LYNX 3

DDH A82-2

DDH A82-1

DDH A 82-4

DDH A  
82-3

A-08  
A-09

DDH A 82-5

CAM 2

CAM 1

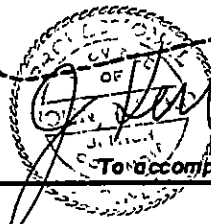
Allendale Lk  
1 km

# LEGEND

- ROAD
- MINERALIZED AREA
- ROCK CHIP SAMPLE
- x SOIL SAMPLE
- DIAMOND DRILL HOLE LOCATION

## Rock Description

- 1 Coarse grained, dark grey  
syenite with fine grained phases.



To accompany a report by J.R. Kerr, P.Eng.

## ALLENDALE LAKE PROPERTY LYNX AND CAM CLAIMS

OSOYOOS & GREENWOOD MINING DIVISIONS, B.C.

Tech. Work By:  
Kerr, Dawson & Assoc. Ltd.

Scale: 1:5,000.

Drawn By: W.G.

Date: Nov., 1982.

Approved By: J.R.K.

Fig No. 283-3

N.T.S. NO.



### ECONOMIC POTENTIAL

The property offers potential for two types of economic ore deposits:

1. Two representative samples of well-mineralized granitic pod were collected, indicating an average content of 4.1% copper, 2.42 oz/T silver, and 130 p.p.b. (.004 oz/T) gold. This dyke or pod is exposed on surface over widths of 0.6 - 1.2 meters. If sufficient reserves of this material could be developed on the property, the potential of a small underground mining operation exists.
2. The primary rock type, alteration, and mineralization is typical of major porphyry deposits. If large masses of this rock do exist within the claim area, major porphyry sized reserves could be developed, which would be mined by open-pit methods.

Preliminary sampling of the mineralized rock, indicates a consistent copper/silver ratio of approximately 1.6%/1 oz/T. There does not appear to be a consistent relationship of gold to either silver or copper. This suggests that the silver and copper are associated with a similar suite of minerals, however, the gold may be erratically distributed throughout the property.

There is no evidence of a normal geochemical, geological or geophysical approach to exploring for mineral deposits

Economic Potential ... Continued

ever having been completed on the property. Regular grid lines for sampling and mapping control do not exist. The work completed was oriented at developing the reserve potential of the obvious mineral showings. A systematic grid approach is strongly recommended as a logical initial exploration phase.

A preliminary soil traverse was completed over a showing area near DDH A 82-01. Soil samples were analyzed for Cu, Ag, and Au. The geochemical response of copper over the known mineralized zone is excellent. Therefore, geochemistry is considered a good exploration tool for locating unexposed mineral deposits.

### RECOMMENDATIONS

A two-phase exploration programme is recommended on the Allendale Lake property:

#### PHASE I

1. Approximately 120 km of grid lines established at 100 and 200 meter intervals over the entire claim area, sample stations designated at 50 meter intervals.
2. Geological mapping of the entire property, using grid coordinates as control.
3. Soil sampling all grid lines at 50 meter intervals. Samples are to be analyzed for copper and silver.
4. A magnetometer survey completed on all grid lines, readings taken at 50 meter intervals.
5. Allow for approximately 14.km of an induced polarization survey over selected targets.
6. Compile all results in report form.

Costs of the initial phase are estimated to be \$60,000 (see Appendix A for details).

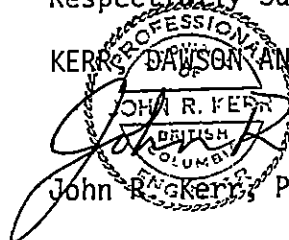
Recommendations ... ContinuedPHASE II

1. Bull dozer trenching and roadbuilding.
2. Allow for 2,000 ft. of diamond drilling of selected targets delineated from Phase I.
3. Compile results in report form.

Costs of Phase II are estimated to be \$90,000 (see Appendix A for details). The total of Phase I and Phase II is \$150,000.

Respectfully Submitted by:

KERRY DAWSON AND ASSOCIATES LTD.,

 *John R. Kerr*  
John R. Kerr, P. Eng.

Kamloops, B.C.

November 5, 1982.

APPENDIX A

COST ESTIMATE

COST ESTIMATE

PHASE I:

1. Grid Establishment	
120 km @ \$150/km . . . . .	\$18,000
2. Soil Sampling . . . . .	6,000
3. Magnetometer Survey. . . . .	4,000
4. I.P. Survey . . . . .	12,000
5. Laboratory Costs . . . . .	8,000
6. Miscellaneous travel, supplies, and equipment rental . . . . .	4,000
7. Report Compilation . . . . .	2,500
8. — 10% Contingencies . . . . .	<u>5,500</u>

Total Phase I . \$60,000

PHASE II:

1. Diamond Drilling	
2,000 feet @ 30.00/ft. (all inclusive) . . . .	\$60,000
2. Bulldozer Rental . . . . .	8,000
3. Supervision . . . . .	7,000
4. Laboratory Costs . . . . .	2,000
5. Miscellaneous travel, supplies and rentals . . . . .	3,000
6. Report Preparation . . . . .	2,500
7. — 10% Contingencies . . . . .	<u>7,500</u>
Total Phase II . . . . .	\$90,000
Phase I . . . . .	<u>\$60,000</u>
Total . . . . .	<u><u>\$150,000</u></u>

APPENDIX B

DIAMOND DRILL LOGS



# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... Allendale Lake .....

HOLE No. A82-1 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BO  
Angle of Hole Vertical  
Fox 2  
Claim.....  
Section.....  
Bearing .....

Total Depth 426'  
% Recovery ~100%  
Elev. Collar .....  
Latitude .....  
Departure .....

Sheet No 1 of 4  
Logged by J. R. Kerr  
Date Begun .....  
Date Finished .....  
Core Stored At Site .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-6'	✓	Overburden (Casing)						
6-40'	0	Coarse-grained, porphyritic, variably altered and coloured dark grey orthoclase rich syenite. Noticeably lacking quartz. Mafics 10 - 30% biotite/hornblende (~ 50/50), locally altered to chlorite. Orthoclase crystals up to 1.5 cm diam. Minor disseminated pyrite. Rock moderately fractured, dominant trend ~40° to core axis.						
		17-19 } Dark, fine grained highly thermally altered						
		30-31 } xenoliths.						
		25-27 -Lighter, higher altered phase of syenite, or possibly later dike intrusion. Some secondary K-feldspar.						
40-101	0	Coarse grained, very weakly altered, gray syenite. Somewhat less content mafics than above. Mafics show alignment in zones.						
		61-64 - Highly fractured, with some shearing on fracture faces.						
		69-70 - Pink aplitic or pegmatite dike, with magnetite clots.						

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY Allendale Lake

HOLE No. A82-1

SHEET No. 2 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
46-101 (cont)		76-79 - Xenolith or zone of secondary biotite alteration with considerable pyrite content.						
		94' - 4" aplite dyke with magnetite clots (possibly some chalcocite).						
101-112	0	Fine - medium grained, light coloured, variably altered syenite. Clearly a later intrusive phase of above. Some secondary sericite & chlorite.						
112-130	0	Gray, coarse-grained, unaltered syenite.						
130-164	0	Variably altered, coarse-grained, grey/green syenite. Alteration includes sericite, chlorite & some K-feldspar. Several dyke like intrusions, as noted below, with some shearing along contacts.						
		131-132 - Pegmatite dyke with magnetite clots.						
		142-144 - Pink/white pegmatitic dyke like intrusions, with magnetite & possibly chalcocite.						
		152' - 6" shear or gouge zone.						
		157-161 - Zone of secondary alteration with several dike-like intrusions. Noticeable quartz in dykes.						
		Some magnetite, pyrite & chalcocite?						
164-172	0	Pinkish/white, fine - medium grained, sugary aplite dyke, with large magnetite clots.						

PROPERTY Allendale Lake HOLE No. A82-1 SHEET No. 3 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
172-234	0	Variably (weak - moderate) altered, coarse grained (somewhat porphyritic) biotite/hornblende syenite. Some minor disseminated pyrite throughout. Several dyke like intrusions, as noted below.						
		175-179 - Fine grained, dark grey altered xenolith.						
		186-189 - Light grey aphanitic, fine grained dike,						
		200-202 - Coarse pegmatitic dyke with coarse magnetite.						
		221-222 - Aplite dyke, with magnetite & possibly chalcocite.						
234-247	0	Dark grey, moderately altered, fine - medium grained intrusive rock, dioritic or gabbro in appearance. Occasional coarse phenocrysts of feldspar. Noticeably higher content of sulphides (dominantly pyrite).						
247-281	0	Light grey, variably (weak - moderate) altered coarse grained syenite, noticeable alignment of mafics (dominantly biotite). Alteration includes chlorite & clay.						
281-376	0	Grey to dark grey, weakly altered, coarse-grained (porphyritic) diorite or syenite?. Alteration is mainly chlorite & confined to fractures @ 20° & 45° to core axis. Section noticeably lacking dyke-like intrusions.						
		320-321 - Dark, fine-grained, highly altered & recemented shear zone.						

**Stewart - 21st Century**  
Kamloops, B.C.  
Phone 374-0544

SHEET No. 4 of 4

[illegible]

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 — 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... Allendale Lake

HOLE No. .... A82-2

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ  
Angle of Hole .... Vertical .....  
Claim..... Fox 1  
Section.....  
Bearing .....

Total Depth ..... 450'  
% Recovery ~ 99.0%  
Elev. Collar .....  
Latitude .....  
Departure .....

Sheet No ..... 1 ..... of ..... 4  
Logged by J. R. Kerr  
Date Begun .....  
Date Finished .....  
Core Stored At .... Site .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-6		Overburden (Casing)						
6-74	0	Variably altered & fractured, medium - coarse grained, grey/green syenite. Alteration includes chlorite & weak sericite & clay, dominant along fracture faces. Fractures dominant trend @ 10° & 50° to core axis. Magnetite and pyrite common associated with altered zones and with small intrusives. 6' - Alteration zone ~ 2" with considerable pyrite (May be boulder). 27-28 - Strong clay alteration. 44-47.5 - White aplitic dyke. Disseminated magnetite & pyrite throughout. Contact zone. 47.5-48 - Very highly altered with magnetite, biotite, pyrite & chalcopyrite.						
74-81	0	Fine - medium grained, grey/green, highly altered intrusive dyke. Alteration includes micas, quartz, sericite & chlorite. Pyrite, magnetite & minor chalcopyrite throughout zone.						

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Summit - 21st Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY Allendale Lake

HOLE No. A82-2

SHEET No. 2 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
81-103	1'	Coarse grained grey biotite-rich syenite (as from 6 - 74'). Chlorite alteration, dominant along fractures. Magnetite & minor pyrite throughout.						
103-112	0	Dark grey/green, moderate - highly altered, medium-coarse grained syenite. Alteration includes chlorite & biotite with abundant pyrite (2-5%) magnetite & minor chalcopyrite. Rock highly fractured, trends 5° & 45° to core axis.						
112-119	0	Coarse grained weak - moderately altered syenite, alteration chlorite & weak clay. Magnetite & minor pyrite throughout.						
119-130	0	Dark grey/green, highly altered, fine-medium grained rock, possibly xenolith or later intrusion. Small zones of coarse syenite in finer-grained rock. Very abundant pyrite as clots, blebs & disseminations (2 - 5%), some magnetite & weak chalcopyrite.						
130-185	0	Moderate - highly altered, dark grey/green, coarse grained (porphyritic) syenite. Large orthoclase phenocrysts ( ~2 cm) in part altered to clay. Chlorite common throughout, dominant on fractures. Magnetite & pyrite (minor) throughout zone. 150-151 - Small pegmatite dyke with magnetite clots. 172' - 4" pegmatite dyke.						

# BERK-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Sul 219 rta 4  
Kamloops, B.C.  
Phone 374-0544

PROPERTY Allendale Lake HOLE No. A82-2 SHEET No. 3 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
185-281	1'	Weak - moderately altered, gray/green coarse-grained syenite, with most of alteration confined to fracture faces, dominant @ 0 - 10° & 45° to core axis.						
		Magnetite & minor pyrite throughout zone.						
		205-209 - Highly fractured & silicified zone, with slickensides & chlorite on fractures. Silica occurs as small seams and appears very chert-like (fine-grained). Pyrite in minor content <1%.						
		228-230 - Chloritized fracture zone.						
		268.5' - 6" alteration zone, with large chlorite clots.						
281-292	0	Dark grey/green highly altered & well fractured, medium - coarse grained syenite. Alteration mainly chlorite, however clay, K-feldspar & sericite present. Magnetite & pyrite (<1%) present.						
		284-286 - Pink pegmatite dyke with clots of magnetite.						
292-345	1'	Gray/green, slightly foliated, coarse grained, variably altered (weak-moderate) syenite, characterized by abundant dyke-like intrusions, noted below.						
		Chlorite dominant along fractures with weak clay & K-feldspar. Magnetite and minor pyrite in zone.						
		320' - 4" aplite dyke.						
		321' - 3" pegmatite dyke with magnetite clots.						
		323' - 2" aplite dyke.						
		334' - 4" aplite dyke.						

PROPERTY Allendale Lake HOLE No. A82-2 SHEET No. 4 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
345-363	0	Conglomeration of several small aplitic like intrusions have caused intense secondary albitization flooding in rock. Zone & dykes appear to show alignment @ 10 - 20° to core axis. Considerable number of magnetite clots in zone.						
633-397	0	Weakly - moderately altered, coarse grained syenite, with chlorite on fractures & clay alteration of feldspar. Some weak K-feldspar alteration. Magnetite & minor pyrite throughout. Noticeable lack of mafic minerals, giving rock a light colour. 381-383 - Pink aplite dyke.						
397-418	½'	Conglomeration of aplite-like intrusions caused intense albitization flooding throughout rock. Similar to section 345-363'. Magnetite & pyrite throughout.						
418-450	1'	Weakly - moderately altered, coarse-grained (porphyritic) syenite. Chlorite alteration dominant on fractures, becoming quite intense towards end of section. Magnetite & pyrite throughout zone, pyrite commonly dominant with chlorite alteration. Rock moderately fractured, with trends dominant @ 20 & 50° to core axis.						
450'		END OF HOLE						



# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... Allendale Lake

HOLE No. .... A82-3

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ  
 Angle of Hole Vertical.....  
 Claim..... Fox 1  
 Section.....  
 Bearing .....

Total Depth ..... 407'  
 % Recovery ..... ~99.5%  
 Elev. Collar .....  
 Latitude .....  
 Departure .....

Sheet No ..... 1 ..... of ..... 3  
 Logged by ..... J. R. Kerr.....  
 Date Begun.....  
 Date Finished .....  
 Core Stored At ..... Site.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-4		Overburden (Casing)						
4-75	1 1/2'	Dark grey, biotite-rich, very coarse grained, (porphyritic) relatively unaltered syenite. Rock only weakly fractured. Magnetite disseminated throughout. Noticeable absence of pyrite. 17.5' - 2" aplite dyke with bornite and malachite 55' - Pink pegmatite dyke (4").						
77-79.5	0	Dark green, moderately altered & highly fractured syenite. Alteration includes clay & chlorite. Fractures trend @ 20° to core. Some minor pyrite.						
79.5-170	0	Weakly altered, coarse-grained, biotite rich syenite, alteration dominantly chlorite on fractures @ 0 - 10° to core axis. 122-123 - fine-grained phase of syenite. 135' - secondary K-feldspar. 137-139 - Fine-grained intrusive phase of syenite. 166' - secondary K-feldspar.						

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Sub. 219-219-1  
Kamloops, B.C.  
Phone 374-0544

PROPERTY Allendale Lake HOLE No. A82-3 SHEET No. 2 of 3

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
170-189	0	Light grey, bleached & weakly - moderately altered, coarse-grained syenite, characterized by several aplite & pegmatite dykes.						
		170-172 - Aplite dyke with magnetite clots, chalcopyrite & bornite.						
		175' - 2" pegmatite dyke.						
		175.5' - 3" pegmatite dyke.						
189-279	0	Dark grey, relatively unaltered coarse-grained (porphyritic), biotite rich syenite. Coarse phenocrysts of orthoclase up to 1.5 cm. Alteration confined to smears of chlorite on occasional fractures, trending @ 5° & 45° to core. Magnetite noted throughout.						
		222 - 3" aplite dyke with magnetite, bornite & chalcocite.						
		231' - Two 1" pegmatite dykes.						
		270-279 - rock becoming slightly altered towards end of section. K-feldspar & clay alteration of orthoclase.						
279-293	0	Dark grey, fine-grained variation (phase) of syenite, probably later dyke-like intrusion. Rock in general quite massive and dense, with only minor alteration. Mafic content (biotite) quite variable, occasionally						
		> 50% content. Magnetite disseminated throughout.						

Sulphur 219 - Kamloops, B.C.  
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[illegible]

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... Allendale Lake

HOLE No. .... A82-4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ  
Angle of Hole ..... Vertical  
Claim..... Fox 1  
Section.....  
Bearing .....

Total Depth ..... 312'  
% Recovery ..... 100%  
Elev. Collar .....  
Latitude .....  
Departure .....

Sheet No ..... 1 ..... of ..... 2 .....  
Logged by ..... J. R. Kerr .....  
Date Begun.....  
Date Finished .....  
Core Stored At ..... Site

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE					
0-2		Overburden (casing).							
2-137	0	Very coarse-grained, porphyritic, totally unaltered, massive, dense, weakly fractured syenite. Coarse phenocrysts of orthoclase up to 2 cm. diameter. Mafics all biotite in clots forming matrix of rocks. Disseminated magnetite throughout rock. Very little variation in rock, noted below.							
		33' - ½" pegmatite dyke @ 10° to core axis.							
		61' - Fracture zone possible dike with finer grain size feldspar & biotite.							
		130-132 - Fine - medium grained phase or separate dyke intrusion.							
137-281	0	Basically similar coarse-grained, biotite-rich syenite as above, however weak tinge of alteration, rock in zones moderately fractured, with alteration on fractures. More abundant small dyke-like intrusions in section. Pyrite & magnetite in trace content. Alteration includes chlorite, dominant on fractures, slight clay and secondary K-feldspar. Fracture trend dominant @ 5 - 10°, 50° & 70° to core axis.							

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[illegible]

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

HOLE No. A82-5

Core Size ..... BQ  
Angle of Hole ..... Vertical  
Claim..... Fox 2  
Section.....  
Bearing .....

Total Depth ..... 407'  
% Recovery ..... 99.5%  
Elev. Collar .....  
Latitude .....  
Departure .....

Sheet No. 1 of 3  
 Logged by J. R. Kerr  
 Date Begun  
 Date Finished  
 Core Stored At Site

[illegible]

PROPERTY Allendale Lake HOLE No. A82-5 SHEET No. 2 of 3

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
113-199	2'	Light grey/white/buffy, fine-medium grained						
		aphanitic syenite, noticeably lacking biotite.						
		Secondary alteration & rusting on fractures @ 0 - 10°						
		& 50° to core axis.						
		Clots of magnetite and pyrite throughout section in						
		low content, also as disseminations.						
		147-152 - Dark grey/black, highly concentrated zone						
		of magnetite, hornblende, biotite, pyrite & chalco-						
		pyrite.						
		199' - Contact very gradational from 190 - 205'.						
199-218	0	Medium grained, weakly altered, variable content of						
		mafics. Some rusting & altered along fractures.						
218-296	0	Weakly altered, coarse grained (porphyritic), massive,						
		dense syenite, very dioritic in appearance. Minor						
		chlorite alteration along fractures @ 0 - 10° to						
		core axis. Section noticeably lacking dikes &						
		sulphides, however some magnetite disseminations.						
		251' - Highly fractured with some shearing.						
		Contact @ 296' very gradational.						
296-354	0	Variably altered, coarse-grained, syenite alteration						
		includes chlorite, K-feldspar and minor sericite.						
		Noticeable increase in fracture density and pyrite						
		content. Magnetite, as above, present as clots and						
		disseminations throughout.						

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Phone 374-0544

Kamloops, B.C.  
Phone 374-054

[illegible]



APPENDIX C

ASSAY RESULTS

*Tom Lapensee*  
Registered Assayer, Province of

[illegible]



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.

V2C 5P5

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYER,  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. Morris Menzies.

Box 438, 4311 Duguesne Drive,

Okanagan Falls, B.C. Vancouver, B.C. V6N 4B1

*Hole #1  
1-288'*

Certificate No. K 4936

Date July 7, 1982.

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

Kral No	Marked	Ag	Cu							
		ozs/ton	per cent							
1	45301	.06	.04	6'-10'						
2	45302	.06	.01	10-20						
3	45303	.03	.01	20-30						
4	45304	.03	.03	30-40						
5	45305	.03	.02	40-50						
6	45306	.03	.02	50-60						
7	45307	.03	.02	60-70						
8	45308	.03	.05	70-80						
9	45309	.03	.02	80-90						
10	45310	.03	.02	90-100						
11	45311	L.01	.01	100-110						
12	45312	.03	.02	110-120						
13	45313	.03	.03	120-130						
14	45314	.03	.03	130-140						
15	45315	L.01	.01	140-150						
16	45316	L.01	.01	150-160						
17	45317	L.01	L.01	160-170						
18	45318	L.01	L.01	170-180						
19	45319	.03	.02	180-190						
20	45320	.03	.02	190-200						

*Must have Gold. Very important.*

### NOTE:

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

  
Registered Assayer, Province of British Columbia

KRAL.

Re Run from  
Chemex.

## KAMLOOPS RESEARCH &amp; ASSAY LABORATORY LTD.

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.

V2C 5P5

PHONE: (604) 372-2784 — TELEX: 048-8320

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

## CERTIFICATE OF ASSAY

KRAL  
Chemex Re run of KRAL Chemex

Box 130, 4311 Musquemois Drive,

Okanagan Falls, B.C. Vancouver B.C. V6N 4B1

Certificate No. K 4936

Date July 7, 1982.

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

Kral No	Marked	Ag	Cu						
		ozs/ton	per cent						
Hole 1.									
21	45321	.03	.01	200-210'	Hole #1				
22	45322	.03	.02	210-220'					
23	45323	.03	.02	220-230'					
24	45324	L.01	L.01	230-240'					
25	45325	L.01	.01	240-250'					
26	45326	.06	L.01	250-260'					
27	45327	.06	L.01	260-270'					
28	45328	.06	L.01	270-280'					
29	45329	.06	.01	280-290'					
30	45330	.06	L.01	290-300'					
31	45331	L.01	.01						
32	45332	L.01	.01						
33	45333	L.01	.01						
34	45334	.03	.02						
35	0081A	.22	.47						
36	0081F #1	1.32	1.40						
37	0081F #2	.06	.03						
38	0084	.06	.01						
39	0085	.03	.01						
40	0086	.03	.02						
41	0087	.27	.35						

Hole #1  
Golds should be run.7. Surface samples  
First run by Chemex  
and then re-run by Kral.NOTE:  
Rejects retained three weeks.  
Pulps retained three months  
unless otherwise arranged.

Registered Assayer, Province of British Columbia

Member  
Canadian Testing  
Association

# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. Morris Menzies

Box 130, 4311 McGregor Drive,

Okanagan Falls, B.C. Vancouver B.C. V6N 4B1

Certificate No. K 4933

Date July 8, 1982.

**I hereby certify**

that the following are the results of assays made by us upon the herein described                      samples

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	46151	.002	.29	.01						
2	46152	.002	.09	.02						
3	46153	L.001	.09	.02						
4	46154	.001	.06	.02						
5	46155	.002	.06	.02						
6	46156	.002	.06	.02						
7	46157	.001	.06	.01						
8	46159	.001	.06	.01						
9	46160	.001	.06	.01						
10	46162	.001	.06	.01						
11	46163	.001	.06	.01						
12	46164	.001	.06	.01						
13	46165	L.001	.06	.01						
14	46166	.001	.06	.01						
15	46167	.001	.06	.02						
16	46168	.001	.06	.02						
17	46169	.001	.06	.02						
18	46170	.001	.06	.02						
19	46171	.001	.06	.02						
20	46172	L.001	.06	.03						

**NOTE:**

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

Registered Assayer, Province of British Columbia



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V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. Morris Menzies

Box 130, 4311 Douglas Drive,  
Okanagan Falls, B.C. Vancouver, B.C. V6N 4B1

Certificate No. K 4933  
Date July 8, 1982.

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

Kral No	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
21	46173	.002	.06	.02	66'	76'				
22	46174	L.001	.06	.03					Hole No. 2	
23	46175	.001	.06	.02						
24	46176	.001	.06	.02						
25	46177	.001	.06	.01						
26	46178	.001	.06	.06						
27	46180	.001	.06	.01						
28	46182	.001	.06	.01						
29	46183	.001	.06	.01						
30	46184	.001	.06	.01						
31	46185	L.001	.06	L.01						
32	46186	L.001	.09	.01						
33	46187	L.001	.03	.02						
34	46188	L.001	.03	.02						
35	10451	L.001	.03	.02	start to 226 ft.					
36	10452	L.001	.03	.02						
37	10453	L.001	.03	.02						
38	10454	L.001	.03	.02						
39	10455	L.001	.03	.02						
40	10456	L.001	.03	.02	276	286			Hole No. 2	

NOTE:  
Rejects retained three weeks.  
Pulps retained three months  
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V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. Morris Menzies.

Certificate No. K 4933

Date July 8, 1982.

Box 130, 4311 McGuire Mine,  
Okanagan Falls, B.C. Vancouver, B.C. V6N 4B1

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
41	10457	L.001	.03	.02	286-296 feet					Hole 3
42	10458	L.001	.03	.02	296-306 feet					Hole 2.
43	K 4835	L.001	.70	.02	Re-run of outcrop chip of cliff. (above run chip)					
44	K 4838-1		1.05	.03	} Re-run of Silco					
45	K 4838-2		.23	L.01						
46	K 4838-3		.28	.02						

### NOTE:

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

  
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V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Bechtel Explorations Ltd.

Box 130

Okanagan Falls, B.C.

*Hole No. 2.*

Certificate No. K-4941

Date July 14, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	10459	.002	.03	L.01	306	-316	Hole No 2			
2	10460	.001	.03	L.01						
3	10461	.002	.06	.01						
4	10462	.008	.03	L.01						
5	10463	.002	.03	L.01						
6	10464	.002	.03	.01						
7	10465	.003	.03	.01						
8	10466	.002	.03	.01						
9	10467	.001	.06	.01						
10	10468	.002	.06	.01						
11	10469	.001	.03	L.01						
12	10470	.002	.03	L.01						
13	10471	.002	.03	L.01						
14	10472	.002	.03	.01						
15	10473	.003	.03	L.01	-436	-450	Hole No. 2			
16	10474	.003	.15	.26	5-15 ft		Hole No 3	Hole No 3		
17	10475	.002	.04	L.01	15-25 ft		Hole No. 3			
18	10476	.003	.06	.01						
19	10477	.002	.06	.02						
20	10478	.002	.06	.04	5.5 - 65		Hole #3			

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

  
Registered Assayer, Province of British Columbia



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2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Bechtel Explorations Ltd.

*Hole # 3*

Certificate No. K-4941 2

Date July 14, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
21	10479	.001	.06	.03	<i>65-75</i>					
22	10480	.001	.09	.03						
23	10481	.002	.06	.01						
24	10482	.002	.06	L.01						
25	10483	.002	.09	.01						
26	10484	.002	.09	L.01						
27	10485	.002	.06	.02						
28	10486	.002	.06	.07						
29	10487	.002	.06	.03						
30	10488	.001	.06	.05						
31	10489	.001	.15	.22	<i>165</i>	<i>175</i>	<i>2' Bonite Min. Hole #3</i>			
32	10490	.002	.06	.03						
33	10491	.002	.03	.02						
34	10492	.002	.03	.02						
35	10493	.001	.06	.03	<i>215</i>	<i>225</i>	<i>10" Bonite Dyke Hole #3</i>			
36	10494	.002	.09	.15						
37	10495	.002	.03	.02						
38	10496	.002	.06	.04						
39	10497	.002	.03	.03						
40	10498	.001	.03	.02	<i>255</i>	<i>265</i>				

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

*[Signature]*  
Registered Assayer, Province of British Columbia



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V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

*Hole #3*

TO Bechtel Explorations Ltd.

Certificate No. K-4941 3

Date July 14, 1982

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

Kral No	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
41	10499	.006	.03	.01	265	275	#3			
42	10500	.002	.06	.03						
43	10501	.002	.06	.01	285	295				
44	0084	.002	.03	.01	{ selco.		old core.			
45	0085	.003	.03	.01						
L means "Less than"										

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

Registered Assayer, Province of British Columbia



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V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

*Hole #3*

TO Bechtel Explorations Ltd.

Box 130

Okanagan Falls, B.C.

Certificate No. K-4946

Date July 14, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	10502	.002	.06	.02	295	-301		#3.		
2	10503	.003	.06	.02						
3	10504	.002	.06	.02						
4	10505	.002	.06	.01						
5	10506	.001	.06	.02						
6	10507	.001	.06	.01						
7	10508	.001	.06	.02						
8	10509	.001	.06	.02						
9	10510	.001	.06	.02						
10	10511	.002	.06	.03	Black Dyke					
11	10512	.001	.06	.03	395	405		#5	End	visible Cu.
12	10513	.001	.03	L.01	2 -	15'		Hole #4	for 10 ft.	
13	10514	.002	.06	.01						
14	10515	.002	.03	L.01						
15	10516	.002	.03	L.01						
16	10517	.002	.03	L.01						
17	10518	.002	.06	.01						
18	10519	.002	.06	L.01						
19	10520	.003	.06	L.01						
20	10521	.001	.06	L.01						
21	10522	.005	.06	L.01	95'	105'				
L means "less than"										

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

Registered Assayer, Province of British Columbia



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

*Hole #4*

TO Mr. M. Menzies

4311 Musqueam Drive

Vancouver, B.C. V6N 4B1

Certificate No. K-4952

Date July 23, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	10523	.0061	.03	.01	105 - 115 #4					
2	10524	.003	.06	.06						
3	10525	.0061	.06	.05						
4	10526	.004	.06	.03						
5	10527	.005	.06	.03						
6	10528	.003	.06	.06						
7	10529	.003	.03	.03						
8	10530	.003	.06	.05	195 - 205 #4					
9	10531	.004	.06	.01						
10	10532	.003	.06	.03						
11	10533	.003	.03	.02	205 - 215 #4					
12	10534	.003	.03	.03						
13	10535	.003	.06	.03						
14	10536	.003	.03	.02	300 - 312 #4					
15	10537	.003	.06	.06						
16	10538	.002	.06	.04						
17	10539	.002	.06	.06						
18	10540	.001	.06	.03						
19	10541	.003	.03	.02						
20	10542	.003	.03	.02						

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

*Spas for PGR*  
\_\_\_\_\_  
Registered Assayer, Province of British Columbia



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

*Hole #5 complete.*

TO Mr. M. Menzies

4311 Musqueam Drive

Vancouver, B.C. V6N 4B1

Certificate No. K-4961

Date July 22, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	10543	.009	.01	.04	<i>10-25-#5</i> <i>25-40</i>					
2	10544	.005	L.01	.05						
3	10545	.006	L.01	.04						
4	10546	.005	L.01	.04						
5	10547	.005	.01	.05	<i>80-90 Chalco + Bonito.</i>					
6	10548	.005	.01	.07						
7	10549	.006	.01	.07						
8	10550	.006	.01	.06						
9	10551	.006	L.01	.04	<i>110-120 #5</i>					
10	10552	.006	L.01	.04						
11	10553	.005	L.01	.02	<i>140-150 #5 white Dyke.</i>					
12	10554	.005	.03	.11						

L means "Less than"

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

  
Registered Assayer, Province of British Columbia



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

*Hole #5*

TO Mr. M. Menzies  
4311 Musqueam Drive  
Vancouver, B.C. V6N 4B1

Certificate No. K-4968

Date July 23, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	10555	.003	.03	.04	150	160	#5			
2	10556	.003	.01	.02						
3	10557	.003	.01	.01						
4	10558	.004	.01	.02						
5	10559	.004	.01	.01						
6	10560	.004	.01	.01						
7	10561	.003	.03	.01						
8	10562	.003	.03	.02						
9	10563	.004	.03	.02	230	240	#5			

### NOTE:

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

*Spas for P23B*

Registered Assayer, Province of British Columbia





[illegible]



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.  
V1S 1A7

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. M. Menzies  
4311 Musqueam Drive  
Vancouver, B.C. V6N 4B1

*Recons from Chemex*

Certificate No. K-4956

Date July 22, 1982

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

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	1 (358-368)	.002	.03	.01						
2	1 (388-398)	.002	L.01	.01						
3	2 (126-136)	.002	L.01	.01						
4	2 (146-156)	.002	L.01	.01						
5	46158B	.003	.03	.01						
6	46161B	.002\	.03	.01						
7	46179B	.003	.03	.01						
8	46181B	.003	.03	.01						

L means "Less than"

*Sulco holes #1, #2 ??  
Re-Recons*

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

*[Signature]*  
Registered Assayer, Province of British Columbia

APPENDIX D

WRITER'S CERTIFICATE

**JOHN R. KERR, P. ENG.**

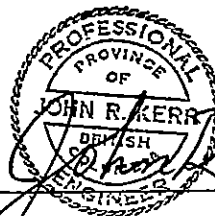
Geological Engineer

#1-219 VICTORIA STREET • KAMLOOPS, B.C. V2C 2A1 • TELEPHONE (604) 374-0544

CERTIFICATE

I, JOHN R. KERR, OF THE CITY OF KAMLOOPS, BRITISH COLUMBIA  
DO HEREBY CERTIFY THAT:

- (1). I am a member of the Association of Professional Engineers of British Columbia and a fellow of the Geological Association of Canada.
- (2). I am employed by Kerr, Dawson and Associates Ltd., with my office at #206 - 310 Nicola Street, Kamloops, B.C.
- (3). I have practised continuously as a geologist since graduation from the University of British Columbia in 1964 with a B.A. Sc. in Geological Engineering.
- (4). I do not hold any interest directly or indirectly to title of the Cam, Fox or Lynx claims (as referred to in this report), or in the securities of Allendale Resources Ltd.
- (5). This report is based on an exhaustive study of all available data, published and unpublished reports and my examination of the claims and core logging during the period October 6 - 8, 1982.
- (6). Permission is hereby granted to Allendale Resources Ltd. to use this report for financing purposes, and to satisfy the requirements of the Securities Commission, the Stock Exchange, and the B.C. Ministry of Mines.



John R. Kerr, P. Eng.  
GEOLOGIST

November 5, 1982

Kamloops, B.C.

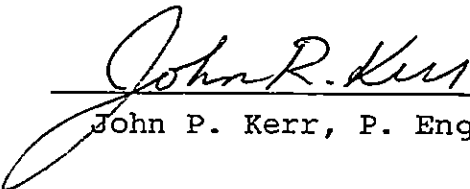
APPENDIX E

COST STATEMENT

COST STATEMENT

Diamond Drilling (NQ) . . . . .	\$41,577.46
Rosaire Beaupre, Princeton, B.C.	
2002 ft.	
Assays & Analytical Work. . . . .	3,950.00
Supervision - R. Bechtel	
12 days @ \$150.00/day . . . . .	1,800.00
Truck Rental	
12 days @ \$40.00/day. . . . .	480.00
Core Logging & Report Preparation	
J.R. Kerr, P. Eng.           \$2,625.00	
Related Expenses <u>901.75</u>	
	3,526.75
	<u>\$51,334.21</u>

These costs are based on invoices, reviewed by myself as submitted to me by the directors of Allendale Resources Ltd.

  
\_\_\_\_\_  
John P. Kerr, P. Eng.