

MAP NO.:
105 F 16

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092996
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: DIAMOND DRILLING

REPORT FILED UNDER: MCA MANAGEMENT CONSULTING LIMITED

DATE PERFORMED: DECEMBER 12-22, 1991

DATE FILED: JANUARY 28, 1992

LOCATION: LAT.: 61°48'N

AREA: KETZA CUT-OFF

LONG.: 132°01'W

VALUE \$:

CLAIM NAME & NO.: LUKESHANE 3-13 YA71081 - YA71091
LUKESHANE 38-40 YA71116 - YA71118
LUKESHANE 42-48 YA71120 - YA71126
LS 1-60 YB01352 - YB01411

WORK DONE BY: A. A. KIKAUKA CANADIAN COMSTOCK EXPLORATION LIMITED

WORK DONE FOR: A. CARLOS

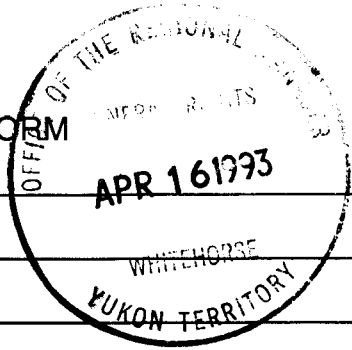
DATE TO GOOD STANDING:

REMARKS: THE PROPERTY LIES WITHIN THE TINTINA TRENCH NEAR BRUCE LAKE. THREE DIAMOND DRILL HOLES WERE COMPLETED FOR A TOTAL OF 247 METERS. THE HOLES WERE DRILLED TO TEST VOLCANICS FOR GREW CREEK STYLE MINERALIZATION. HOLES INTERSECTED INTERMEDIATE TO FELSIC VOLCANIC BRECCIAS AND GRAPHITIC SHEAR ZONES WITH QUARTZ BLEBS AND VEINS TO 6 MM AND CHALCEDONY, 3-5% DISSEMINATED AND FRACTURE FILLING PYRITE. ASSAYS WERE <5 TO 280 PPB AU AND <0.5PPM TO 3.1 PPM AG.

*



TRANSMITTAL FORM



M.R. file no.
R.M.M.R. file no.
Date forwarded 23 March 1993.

From Mining Recorder at: *Watson Lake.*

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input checked="" type="checkbox"/> DIAMOND DRILL LOGS	Claims <i>LS 1-60, Lukeshane 3-13, 38, 40, 42-48.</i>	Claim sheet no. <i>105-F-16.</i>
<input type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims	Claim sheet no.
	Type of report	Submitted by
	Cls. work performed on	\$ req. for ren. application

[Handwritten Signature]

Signature

Date returned

REPLY ACTION

5160 originally in Jan 92 for \$6,000 to cover anniversary of part of the claim group. Set as the filing of the rest

092796

Signature



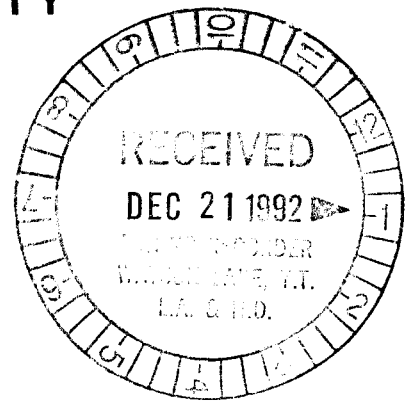
NTS: 105 F/16
Lat: 61 48' N
Long: 132 03' W

GEOLOGY, GEOPHYSICS, AND DIAMOND DRILLING REPORT OF THE LUKESHANE PROPERTY

WATSON LAKE MINING DISTRICT

for

Canadian Comstock Exploration Ltd.,
804-409 Granville Street,
Vancouver, B.C. V6C 1T2



by

Andris Kikauka, P.Geo, F.G.A.C.
Samish Resources Inc.,
1006-750 W. Pender Street,
Vancouver, B.C. V6C 2T8

092 996

January 13, 1992

SUMMARY

The Lukeshane property is situated 26 kilometers southeast of Ross River, Yukon Territory. The claims are accessed via the Robert Campbell Highway and a 3 kilometer long four-wheel drive road to Nickel Lake that branches off the highway near the Ketzka River Mine road. The property consists of 81 contiguous claims covering an area of 2,025 hectares (4,860 acres).

Developed mineral occurrences in the area of the Lukeshane property include the Faro Pb-Zn-Ag, Grew Creek Au-Ag, and Ketzka River Au-Ag deposits. The Faro Pit and associated ore lenses are classified as Proterozoic, exhalitive massive sulphide and account for reserves in excess of 100 million tons of 9.3% Pb-Zn and 1.3 oz/t Ag. Ketzka River is classified as a Cretaceous magmato-hydrothermal, mesozonal, intrusive proximal gold vein and massive sulphide replacement. Grew Creek is interpreted as an Eocene magmato-hydrothermal, shallow to surface, volcanic hosted disseminated, vein, stockwork, and breccia. Ketzka River and Grew Creek both contain reserves of approximately 250,000 ounces of gold.

In the 1960's, prospectors located copper and nickel bearing float samples near Nickel Lake. Various field programs, including diamond drilling, geophysics, and geochemistry were carried out on the northeast side of the lake. This area corresponds to strong magnetic and conductive geophysical responses. Lithologies of this zone include metamorphosed sediments and ultramafic intrusives with traces of fracture filled copper-nickel-silver bearing mineralization.

In 1984 gold bearing quartz breccia and banded chalcedony float was discovered on the southwest side of Nickel Lake. Geochemical analysis of this rock returned values up to 6,800 ppb Au. Coincident EM geophysical responses along the trace of Nickel Lake's southwest shore indicate a major fault structure, in excess of two kilometers in length, is related to sulphide mineralization, graphitic shears, phyllic and argillic alteration hosted by Tertiary felsic and siliceous volcanic breccia.

Diamond drilling across the Nickel Lake shoreline fault zone intersected a sequence of Tertiary felsic volcanic breccia, quartz crackle breccia, volcanoclastics, mafic porphyry dykes, graphitic shear zones, and basalt breccia. A 61 foot section of DDH-91-3 returned a weighted average of 133 ppb Au and 1.9 ppm Ag hosted by felsic volcanic breccia. Quartz crackle breccia in DDH-91-2 returned a weighted average of 135 ppb Au and 1.9 ppm Ag across 33 feet.

Sulphide mineralization, argillic and phyllic alteration, felsic volcanic breccia, and quartz crackle breccia are localized along a major structure that correlates with a well defined EM geophysical response and gold bearing quartz-rich float.

Drilling across this structure identified a relatively wide fault zone associated with felsic volcanics which contains anomalous gold and silver values. The geological setting of this zone is similar to the Grew Creek deposit except for the absence of rhyolite dykes and presence of mafic porphyry dykes and related graphitic shears on the Lukeshane property.

The Lukeshane property has potential to contain a volcanic hosted gold-silver deposit based on favourable structure, mineralization, and alteration within a shallow to surface volcanic environment of deposition. A program of 10,000 feet of percussion or reverse circulation drilling is recommended to test the Nickel Lake shore zone and its extensions for precious metal mineralization. The budget for this proposed drill program is approximately \$240,000.

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1.0 INTRODUCTION

This report was prepared at the request of Canadian Comstock Exploration Ltd. to describe and evaluate the results of diamond drilling and VLF-EM geophysics carried out by Samish Resources Inc. on the Lukeshane and LS claims in the Watson Lake Mining District near Ross River, Yukon Territory.

Diamond drilling was performed by E. Caron Diamond Drilling Ltd., Whitehorse, Yukon. VLF-EM geophysics and core logging was performed by Andris Kikauka (Geologist). The work program was carried out during December, 1991.

The purpose of the fieldwork was to locate the source of gold and silver bearing float samples along the shore of Nickel Lake.

2.0 LOCATION, ACCESS, and TOPOGRAPHY

The Lukeshane and LS claims are situated approximately 26 kilometers southeast of Ross River, YT. The claims are located on NTS Map Sheet # 105 F/16, latitude 61 48' N, and longitude 132 03' W (Figure 1,2,3).

Road access is via the Robert Campbell Highway to the new Ketz River Mine Road, located two hundred meters northwest of the Horton Creek bridge. One hundred meters northwest of the junction of these two roads, a four wheel drive road gives access to the north end of Nickel Lake which is approximately 2 kilometers from the highway. Access to the southeast portion of the property is via the new Ketz River Mine Road.

The property lies on the valley floor of the Tintina Trench, a major trough-like feature developed along the trace of a major left-lateral fault. The Pelly River meanders through the 8-10 kilometer wide Tintina Trench with the St. Cyr Range of the Pelly Mountains forming rugged alpine terrain southwest of the trench. The Lukeshane and LS Claims are on forested terrain with gentle to moderate slopes rising from 820 to 915 meters. Vegetation is predominantly stunted black spruce, and lesser dwarf aspen, birch, and willow. Permafrost underlies some of the area. The 1-2 meter wide soil horizon is underlain by a 10-30 meter thickness of glacial till, which masks nearly all bedrock on the property.

The area has a continental climate characterized by low precipitation and a wide temperature range. Winters are cold with 25-40% daylight. Summers are variable hot to cool with 75-90% daylight.

Exploration work can be performed on a year round basis with consideration for extremely cold winter temperatures.

3.0 PROPERTY STATUS

The property consists of 81 claims in the Watson Lake Mining District (Figure 4). The claims are registered in the name of Al Carlos, Whitehorse, YT. Canadian Comstock Exploration Ltd. has the option to purchase 100% interest in the property by complying with the terms of an agreement.

Claim Name	Grant Number	Record Date	Expiry Date
Lukeshane 3-13	YA71081-YA71091	June 14, 1984	Dec. 14, 1992
Lukeshane 38-40	YA71116-YA71118	June 14, 1984	Dec. 14, 1992
Lukeshane 42-48	YA71120-YA71126	June 14, 1984	Dec. 14, 1992
LS 1-60	YB01352-YB01411	Sept. 17, 1987	Dec. 17, 1992

The total area covered by the claims is 2,025 hectares, or 4,860 acres.

4.0 AREA HISTORY

There are several major mineral occurrences in the area of the Lukeshane property which include the Faro Pb-Zn-Ag, Grew Creek Au-Ag, and Ketz River Mine Au-Ag deposits (Figure 2).

The Faro Pb-Zn-Ag deposit is classified as an exhalative massive sulphide hosted by Lower Cambrian to Proterozoic phyllites. Present reserves are calculated at 100 million tons of 3.7% Pb, 5.6% Zn, and 1.3 oz/t Ag from five different sulphide lenses (the Faro, Grum, Vangorda, Dy, and Swim Deposits). Curragh Resources is presently mining the Faro open pit using a 4.0% Pb+Zn cutoff.

The Grew Creek Au-Ag deposit consists of gold, electrum, pyrite, and silver selenide bearing quartz and chalcedony veins, veinlets, stockwork and breccias within Eocene felsic volcanics and clastic sediments. Extensive argillic and phyllic alteration zones with 3-5% pyrite occur along the margins of stockwork mineralization, which is localized along steeply dipping faults. The 'Main Zone' has a strike length of approximately 550 meters and a vertical depth of 175 meters. The average width of the zone is approximately 15 meters. The best drill intersection to date is 103.3 feet of 0.340 oz/t Au and 4.40 oz/t Ag (DDH 87-29). Unpublished reserves are estimated at one million tons of 0.250 oz/t Au.

The Ketz River Au-Ag deposit consists of Cambrian to Upper Proterozoic limestone sulphide mantos, some of which are Au-bearing, and argillite hosted Au-quartz-sulphide veins, surrounded by an area of Ag bearing Pb-Zn sulphide veins in a variety of host rocks. The origin of mineralization is interpreted to come from a buried Cretaceous (?) pluton which

has a relatively close proximity to the sulphide mantos. Reserves of sulphide ore are listed at 480,000 tonnes @ 0.312 oz/t Au, and oxide reserves at 240,000 tonnes @ 0.366 oz/t Au. Canamax Resources Inc. presently owns and operates the mine which has suspended operation until the price of gold increases to levels above \$450(U.S.)/ troy ounce.

Other notable occurrences in the area include the Sonny prospect, located immediately south of the Ketz River Mine. Three mantos comprised of siderite and pyrrhotite are exposed along a strike length of 1.2 kilometers with grades up to 0.289 oz/t Au and 8.0 oz/t Ag.

During the 1980's, Grew Creek and the Ketz River Mine were the focus of major development work. This work triggered a staking rush that encompassed nearly all available ground in the vicinity of these projects. As a result, there is an increase of geological data within this area.

5.0 PROPERTY HISTORY

Nickel bearing float was discovered south of Bruce Lake by Conwest Mines Ltd. in the early 1950's. The first claims in the area were staked by Newmont Mines Ltd. in 1963 (MAG claims), after the release of GSC aeromagnetic maps. The airborne survey showed a major magnetic field strength increase over the center of Nickel Lake. Newmont performed geophysical surveys and prospecting.

The property was restaked as the SAS claims in 1965 by Forbex Ltd. In 1966 they performed ground geophysics and drilled three holes totalling 827 feet. Under a new company name, Bruce Lake Mines Ltd., four holes were drilled in 1967 totalling 1,429 feet. These holes were collared to cut across EM and magnetometer anomalies located immediately northeast of the center of Nickel Lake (Figure 6). The drilling intersected disseminated sulphides in siliceous sediments intruded by a serpentinized peridotite sill. Pyrrhotite, pyrite, and chalcopryrite occur in narrow fractures in siliceous sediments. The best reported intersection was less than one meter of 0.39% Cu and 0.52% Ni. Sludge samples assayed up to 2.76 oz/t Ag.

In 1984, A. Carlos discovered gold bearing chalcedony and quartz breccia float on the southwest shore of Nickel Lake. Sample R-20-2 (quartz breccia) assayed 6,800 ppb Au and sample R-85-13 (banded chalcedony) assayed 2,100 ppb Au. 50 line kilometers of VLF-EM and magnetometer surveys were performed in the winter of 1985 identifying strong northwest trending anomalies which were interpreted as extensions of the Grew Creek and/or Danger Creek Faults. In 1986, hand pits were dug in the vicinity of the gold bearing float. Siliceous, brecciated, pyritic sediments were encountered.

In 1987, the LS claims were added to the Lukeshane and the property was optioned to Canadian Comstock Exploration Ltd. Crawler dozer trenching, roadbuilding, VLF-EM geophysics, and geochemistry were performed.

During 1988-89, Noranda Exploration Co. Ltd. optioned the property and performed 67 line kilometers of HLEM and magnetometer geophysics, soil geochemistry, and crawler dozer trenching.

Canadian Comstock completed a comprehensive data review in 1990 which included remote sensing imagery and air photo analysis.

6.0 GENERAL GEOLOGY

The Tintina Trench is a major structural feature that separates the Pelly-Cassiar Platform (St. Cyr Mountain Range) southwest of the trench from the Anvil-Campbell allochthonous terrane, which consists of a complex sequence of transported metamorphosed sediments, volcanics, and intrusives northeast of the trench.

The Pelly-Cassiar Platform lithologies include Cambrian to Permian phyllite, slate, quartzite, graphitic siltstone, conglomerate, graphitic siltstone, chert, limestone, and dolomite. This sequence is intruded by buried plutons which have produced banded hornfels that are thermally metamorphosed equivalents of the overlying sedimentary sequence.

The Anvil-Campbell allochthonous terrain consists of Paleozoic and older metasediments (phyllite, quartzite, slate, graphitic siltstone, marble) and alpine-type ultramafics (gabbro, dunite, peridotite) that are extensively intruded by Paleozoic granitic plutons (which are cataclastically deformed resulting in quartzo-feldspathic gneiss, and mylonite). This sequence is unconformably overlain by Upper Triassic clastic rocks, and intruded by Early Jurassic plutons. Mesozoic transcurrent faulting with approximately four hundred kilometers left-lateral displacement has occurred along the Tintina Trench. Related thrust faulting with deep-seated alpine-type ultramafics rose into the core of these orogenic belts along the Tintina Trench.

Relatively long-lived Mesozoic mountain building was followed by Tertiary normal faults forming graben and tilted half-graben depressions which reflect extensional tectonics during the waning phases of deformation in the orogens. Eocene volcanism and related sedimentation deposited sequences of basalt, rhyolite, felsic tuff, sandstone, conglomerate, and shale in the Tintina Trench. Large scale fault structures influenced by extensional tectonics act as conduits for silica-rich, epithermal gold-silver mineralization. The significance of these structures is apparent at the Grew Creek Au-Ag deposit where initial tonnage estimates

of the main zone suggest production potential.

Mineralization in this area of the Tintina Trench occurs as replacement and fracture filling associated with structural breaks. Pyrite, pyrrhotite, galena, sphalerite, chalcopryrite, arsenopyrite, tetrahedrite, silver selenides, electrum, and native gold occur in quartz, chalcedony, carbonate, and siderite gangue that replaces and/or fills open spaces in fractured host rock. Many of the deposits are clustered close to intrusive rocks suggesting metal-bearing solutions were generated by source magmas and deposited along conduits, dilatent zones, channelways, permeable fault zones, and fractures in nearby host rocks. The Grew Creek Au-Ag deposit is an example of mineralization associated with structural breaks and spatially related to intrusive rhyolite dykes.

7.0 PROPERTY GEOLOGY

The property geology is interpreted from float samples, diamond drill logs, geophysics, and limited bedrock exposure. The following lithologies have been recognized on the Lukeshane property;

TERTIARY

QUARTZ CRACKLE BRECCIA

25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures

FELSIC VOLCANIC BRECCIA

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, rust weathering

VOLCANICLASTIC, VOLCANIC SANDSTONE

green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings

GRAPHITIC SHEAR ZONE

10-20% graphite, black colour, crumbled, smeared texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins

MAFIC PORPHYRY DYKE

1-5 mm. elongated plagioclase phenocrysts forming weak fabric direction, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures

BASALT BRECCIA

0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite

CARBONIFEROUS AND PERMIAN ANVIL-CAMPBELL ALLOCHTHON SEQUENCE

METAMORPHOSED SEDIMENTS

PHYLLITE

Light to dark grey medium grained clastic sediments with blebs and disseminations of pyrite, graphite coated fractures, minor white quartz veining

QUARTZITE

Bedded, light grey colour, fine to medium grained, local shale partings, minor pyrite and pyrrhotite on fractures

CARBONIFEROUS-CRETACEOUS ? ULTRAMAFICS

GABBRO

(Diorite): fine to coarse grained, dark green colour, occur as 5-30 meter wide dykes and sills, minor quartz veining

PYROXENITE

dark grey-green colour, medium grained, oxidized and highly fractured with minor serpentine along fractures, disseminated pyrite and pyrrhotite, 15-75 meter wide dykes and sills

SERPENTINE

Black to green colour, minor chrysotile fibers, moderately magnetic, up to 35 meter wide on hanging wall of pyroxenite.

The Carboniferous and Permian metasedimentary complex is interpreted as large blocks and slabs transported and deformed by Cretaceous fault displacements along the Tintina Trench. The ultramafic suite (gabbro, pyroxenite, serpentine) is interpreted as a high temperature intrusive complex that originated from a deep seated magma source along the Tintina Trench Fault. A large intrusive body is presumed to lie beneath Nickel Lake because the airborne magnetometer survey flown by the GSC in the 1960's clearly shows anomalous high values over the center of the lake. This magnetic high is probably related to a magnetite and/or pyrrhotite bearing ultramafic intrusive mass. The drilling performed in the 1960's on the northeast side of Nickel Lake targeted some of the EM and magnetic anomalies and intersected massive ultramafic intrusive, metamorphosed sediments, and traces of sulphide mineralization. Pyrrhotite, chalcopyrite, and pyrite occur in narrow fractures in siliceous sediments. Assays from drill core samples are reported as 0.39% Cu and 0.52% Ni. Sludge samples assayed up to 2.76 oz/t Ag.

During the waning phases of orogenic activity along the Tintina Trench, Tertiary extensional tectonics produced grabens and

tilted half-grabens with associated volcanics filling the depression formed by these down-dropped blocks. A northwest trending fault lineament along the southwest shore of Nickel Lake corresponds to a large area of felsic volcanic breccia float. Quartz-rich breccia samples from this zone assay up to 6,800 ppb Au (0.20 oz/t Au). This Tertiary age felsic volcanic breccia is bound by 3-30 foot wide graphite-rich shear zones. These shear zones are spatially associated with mafic porphyry dykes. Siliceous and felsic volcanics are associated with zones of 10-80% quartz, and 1-10% chalcedony, carbonate, pyrite, sericite, and clay alteration. These zones are moderately to intensely fractured and brecciated with abundant cavities.

8.0 1991 FIELD PROGRAM

8.1 METHODS AND PROCEDURES

Diamond drilling, road clearing, VLF-EM geophysics, and linecutting were carried out on the claims.

A grid was established over the pre-existing 1988 Noranda baseline and four cross-lines. A total of 2.7 line kilometers was surveyed along the southwest shore of Nickel Lake (Figure 6).

A Sabre Model 27 VLF-EM receiver was used with Seattle, Washington utilized as a transmitter (@ 18.6 KHz). Data was recorded along four 500 meter long northeast trending lines at 25 meter spacing. Null angle data was recorded facing a southerly direction towards the transmitter station (Appendix C).

Three NQ size diamond drill holes totalling 941 feet were drilled from two pads located close to the southwest shore of Nickel Lake. To access the sites, snow clearing and minor road building with a Caterpillar D-6 crawler dozer was carried out.

A total of 67 core samples were collected and sent to Acme Analytical Labs for 30 element ICP and Au geochemical analysis.

8.2 DIAMOND DRILLING

Three drill holes were collared on two setups located 25-35 meters southwest of a HLEM conductor axis that roughly corresponds to a VLF-EM conductor. The drill holes were angled to cross these conductor axes that occur on L 16,200 E and L 16,100 E on the southwest shore of Nickel Lake. These drill holes were also collared close to an area of gold-bearing quartz breccia and banded chalcedony float.

Drill hole LS-91-1 cut bleached, clay altered, sericitic, pyritic, white-grey coloured felsic volcanic breccia and quartz crackle breccia across the first 170 feet, followed by a 30 foot wide graphitic shear zone. A competent basalt breccia occurs in

the final 70 feet of this drill hole (Figure 8).

In contrast, hole LS-91-2 drilled from the same setup, encountered a graphitic shear zone alternating with felsic volcanic breccia in the first 100 feet, followed by 80 feet of a mafic porphyry intrusive. The next 100 feet intersected a fault zone with quartz crackle breccia that contains abundant fractures, cavities, and vugs. Core recovery from this zone averaged 50%. This hole was stopped at 290 feet because of this fault zone. The drill sections of hole 1 and 2 suggest that two major parallel shear zones with related siliceous volcanic breccias dip 70 degrees northeast and strike roughly perpendicular to the drill section (Figure 8).

The first 169 feet of hole LS-91-3 encountered massive, competent basalt breccia followed by 212 feet of fractured and broken felsic volcanics with related quartz breccia and volcanoclastics. A 9.5 and a 29.5 foot wide graphitic shear zone cut this sequence. These shear zones are interpreted to dip 70 degrees northeast and strike perpendicular to the drill section (Figure 9).

The drill holes intersected several 1-30 foot wide zones of 5-25% crumbled and smeared graphite together with 3-5% disseminated pyrite and pyrrhotite. These shear zones probably account for the conductors identified by the EM surveys. Drill core containing abundant brecciated quartz, chalcedony, sericite, clay minerals, pyrite, pyrrhotite, carbonate, fractures, vugs, and/or cavities was split in half, sampled across widths of 3-13 feet, and geochemically analyzed. 31 samples of the felsic volcanic breccia across 214 feet, 17 samples of quartz crackle breccia across 123 feet, and 19 samples of sheared graphite across 95 feet were geochemically analyzed.

8.3 ROCK GEOCHEMISTRY

Values up to 280 ppb Au and 3.6 ppm Ag were obtained from sections of felsic volcanic breccia and quartz crackle breccia in hole # 2 and 3. Anomalous gold and silver values were characterized by increased fracturing, vugs, cavities, and carbonate alteration.

The following chart lists selected weighted averages from diamond drilling;

DDH #	Sample #	From	To	Width(ft)	Au(ppb)	Ag(ppm)
LS-91-2	541-546	257.0	290.0	33.0	135	1.9
LS-91-3	548-553	175.0	236.0	61.0	133	1.4

Base metal (Cu-Pb-Zn) values show a weak positive correlation to gold and silver. The range of base metal values is 2-32 ppm Pb, 35-466 ppm Zn, and 22-240 ppm Cu.

Molybdenum exhibits a weak positive geochemical correlation with gold and silver values. Arsenic, antimony, and bismuth values are relatively low and show no correlation with gold and silver.

Relatively high Ca values with corresponding carbonate alteration were obtained in the bottom of hole # 2. A sample of the basalt breccia returned anomalous Ca and Ni values.

8.4 VLF-EM GEOPHYSICS

VLF-EM results indicate a moderate to strong northwest trending conductor axis located 25-50 meters northeast of the shore of Nickel Lake (Figure 7). This conductor is interpreted as a major shear zone that contains semi-massive graphite with minor pyrite and pyrrhotite traced along the southwest shore of Nickel Lake.

A weak conductor axis is traced along a northwest trend 100-135 meters southwest of the shore of Nickel Lake (Figure 7). This conductor axis is presumed to represent graphite-rich shear zones that were partially cut by DDH-LS-91-3.

These conductor axes appear as Fraser Filter positive peaks. Non-conductive zones correlate with strong negative values which occur in between the conductor axes.

Field strength values show a positive correlation with Fraser Filter values (Appendix C). Field strength peaks occur in coincidence with conductor axes.

9.0 DISCUSSION OF RESULTS

The primary exploration target on the Lukeshane property is gold-bearing breccia, stockwork, and vein mineralization. Most of these type of deposits are hosted by felsic and siliceous volcanic rocks which are typically zoned and exhibit precious metal enrichment and depletion depending on distance from a shallow magma source. The character and localization of gold and silver bearing mineralization is determined by the composition and location of the source magma, the character of the conduit followed by the mineral-rich solution, and by the rate of change of the physical and chemical environment of the mineral-rich solution within the conduit.

Core drilling identified a thick sequence of felsic and siliceous volcanic breccia that contains abundant fractures, vugs, and cavities, and minor clay and carbonate alteration, graphite, sericite, and pyrite. Graphite-rich shears and related mafic

porphyry dykes occur within this felsic volcanic sequence.

Drill results indicate that the shear zones located along the southwest shore of Nickel Lake are a favourable geological environment for epithermal precious metal deposition. A series of 300 foot deep percussion drill holes along the northwest and southeast extension of the Nickel Lake shoreline fault is warranted.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The Lukeshane property has potential to host an economic gold-silver deposit based on the following facts;

- 1) Mineralization, alteration, and felsic volcanic host rock found on the subject claim is similar to other nearby gold-silver deposits.
- 2) Siliceous and felsic volcanic breccias occur along a major northwest trending shear zone.
- 3) Float samples of quartz breccia containing 6,800 ppb Au are present on the subject claim in an area that corresponds to a major fault structure.
- 4) The property is accessible by road.

A follow up program of percussion or reverse circulation drilling the extension of the Nickel Lake shoreline fault (aka Danger Creek Fault ?) is recommended. It can be traced for 1.5 kilometers along the southwest shore of Nickel Lake and can be followed along strike to a smaller lake 33 meters southeast of Nickel Lake. This structure is apparent as a VLF-EM conductive response and air photo lineament. Limited diamond drilling across this zone indicates extensive shearing, alteration, and mineralization occurs within an epithermal volcanic environment, suggesting that a comprehensive, ensuing drill program is warranted.

A detailed follow-up drill program is suggested to include;

- 1) A fence pattern of percussion or reverse circulation drill holes approximately 350 feet deep, dipping 45 degrees at an azimuth direction of 045 or 225 degrees, and at 50 meter spacing from L 14,900 E to L 15,500 E, from L 16,00 E to L 16,400 E, and from L 17,150 E to L 17,400 E.
- 2) Proposed drill hole collars located along the southwest shore of Nickel Lake and the smaller lake immediately southeast of Nickel Lake (Figure 12).

11.0 PROPOSED BUDGET

LUKESHANE PROPERTY:

Project Preparation \$ 250

Mobilization, demobilization 6,000

FIELD COSTS:

10,000 feet percussion or reverse circulation drilling @ \$12/ft 120,000

Food and accommodation 14,500

Supplies, Fuel 6,000

Vehicle 3,000

Communications 1,000

Assays 6,000

Crawler Dozer 150 hrs. @ \$100/hr. 15,000

Crawler Dozer Operator @ \$35/hr. 5,250

FIELD CREW:

Project geologist \$325/day X 30 9,750

Field geologist \$275/day X 30 8,250

Report, Data compilation, drafting, etc. 5,000

Administration 20,000

Contingencies 20,000

Total \$ 240,000

REFERENCES

-Carlos, A., 1987, Geophysical Report on the Lukeshane Mineral Claims

-Copland, H., 1988, Geophysical Report on the Lukeshane Property, for Noranda Exploration Co. Ltd.

-Davidson, G.S., 1991, Summary Report on the Lukeshane Property. Canadian Comstock Exploration Ltd.

-Hollister, V.F., 1985, Discoveries of Epithermal Precious Metal Deposits, Society of Mining Engineers.

-Templeman-Kluit, D., 1977, Geology of the Quiet Lake (105 F) and Finlayson Lake (105 G), GSC Open File 486.

-Yukon Report of Exploration Activity, 1985-90, Territorial Government Report.

STATEMENT OF QUALIFICATIONS

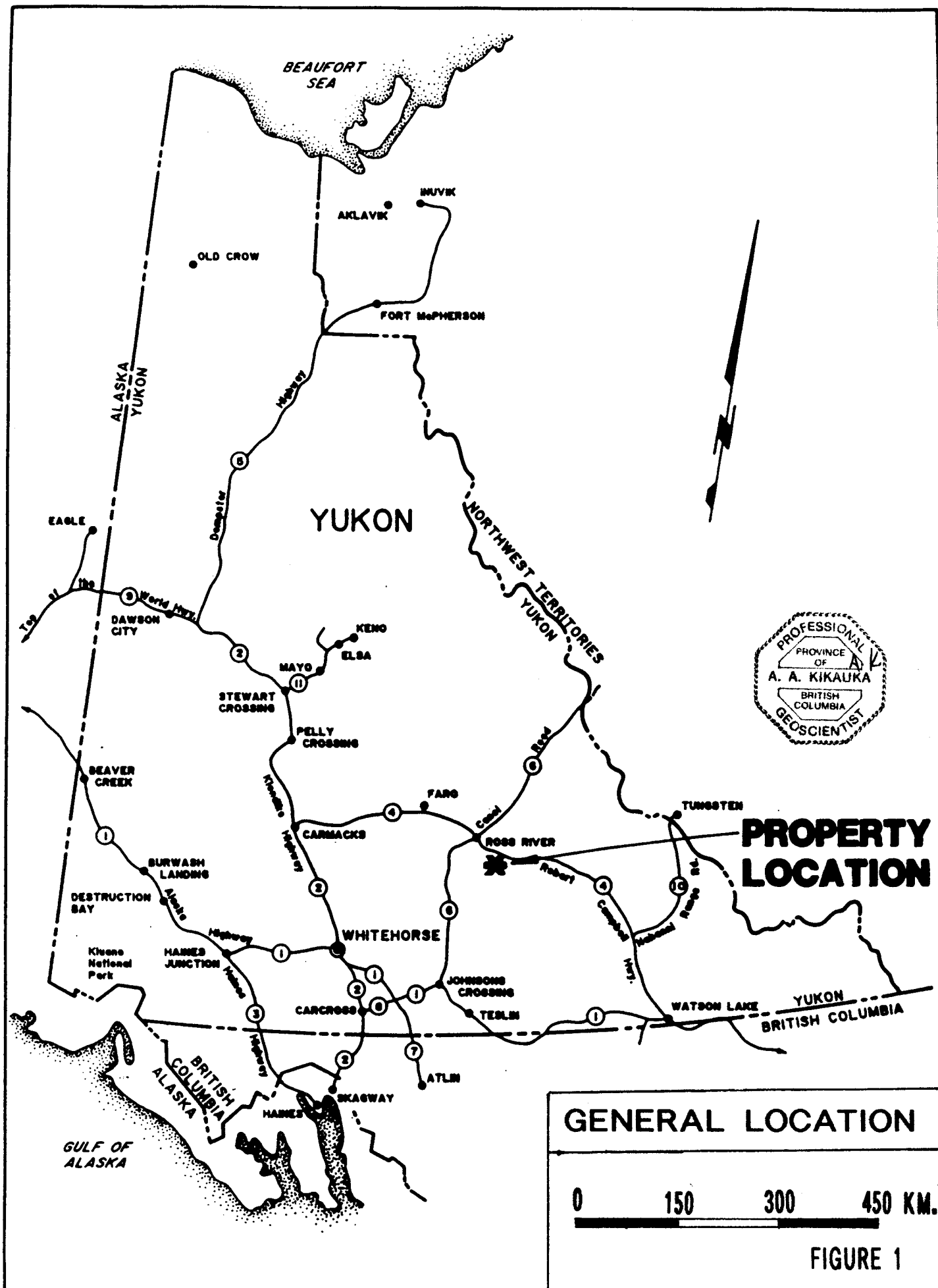
I, Andris Kikauka, of Brackendale, British Columbia, do hereby certify:

- 1) I am a graduate of Brock University, St. Catharines, Ontario and hold a Bachelor of Science, Honour Degree from the Faculty of Geological Sciences.
- 2) I am registered as a Professional Geoscientist in the Province of British Columbia.
- 3) I am registered as a Fellow with the Geological Association of Canada.
- 4) I have been involved in uranium exploration in the Canadian Shield for 3 years and base and precious metal exploration in the Cordillera of North and South America for 9 years.
- 5) This report is based on fieldwork carried out on the subject claims in December of 1991.
- 6) I hold no direct or indirect interest in the property, nor in any securities of Canadian Comstock Exploration Ltd., or any associated company, nor do I expect to receive any.
- 7) This report may be utilized by Canadian Comstock Exploration Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Andris Kikauka

Andris Kikauka, Hons.B.Sc., P.Geo., F.G.A.C.

January 13, 1991



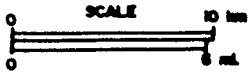
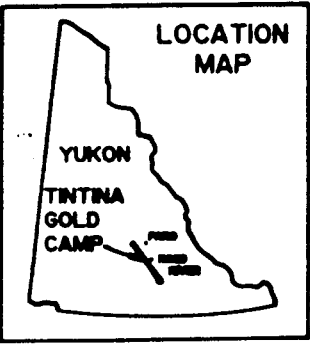
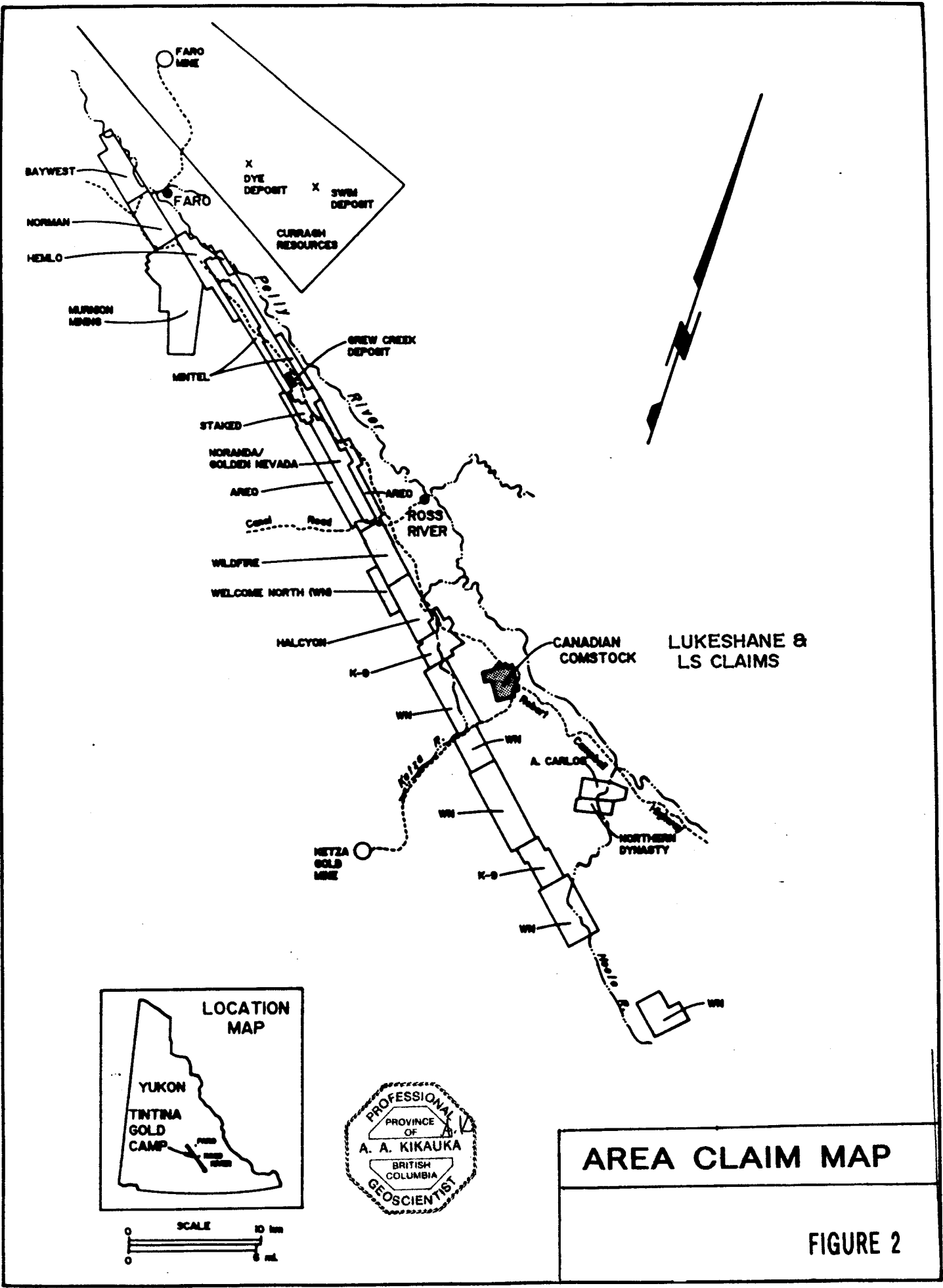
PROFESSIONAL
 PROVINCE OF
 A. A. KIKAUKA
 BRITISH COLUMBIA
 GEOSCIENTIST

**PROPERTY
 LOCATION**

GENERAL LOCATION

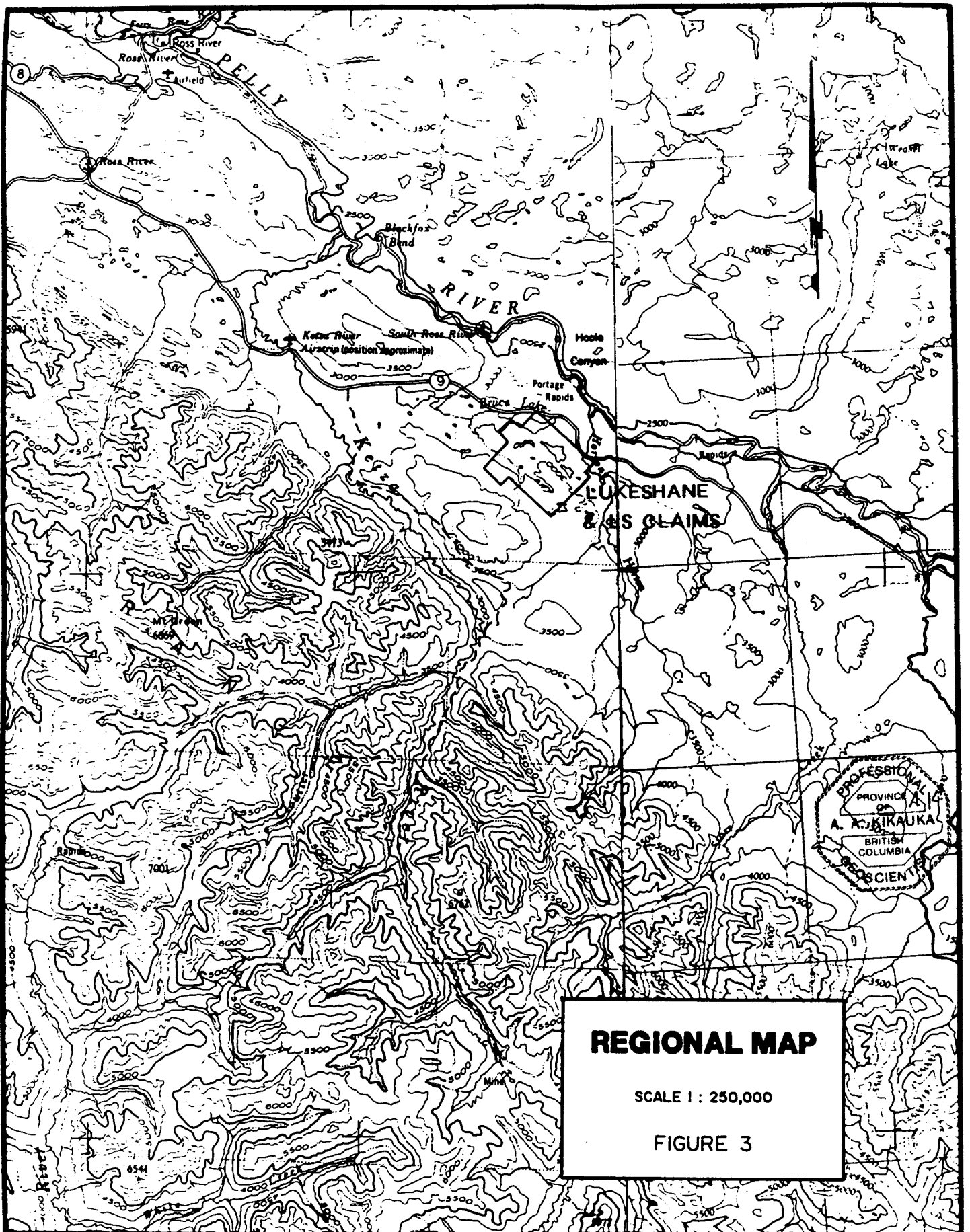
0 150 300 450 KM.

FIGURE 1

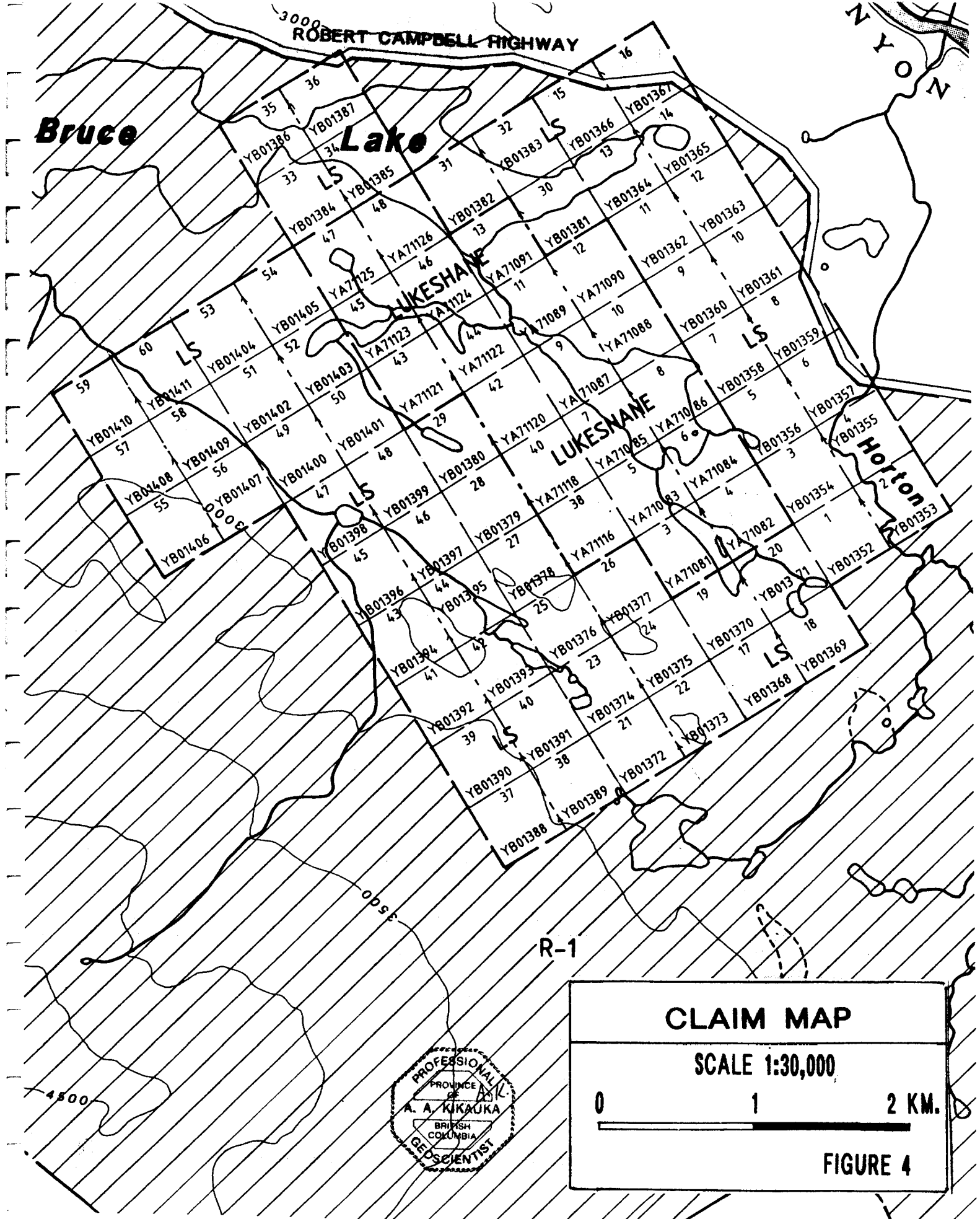


AREA CLAIM MAP

FIGURE 2



REGIONAL MAP
SCALE 1 : 250,000
FIGURE 3



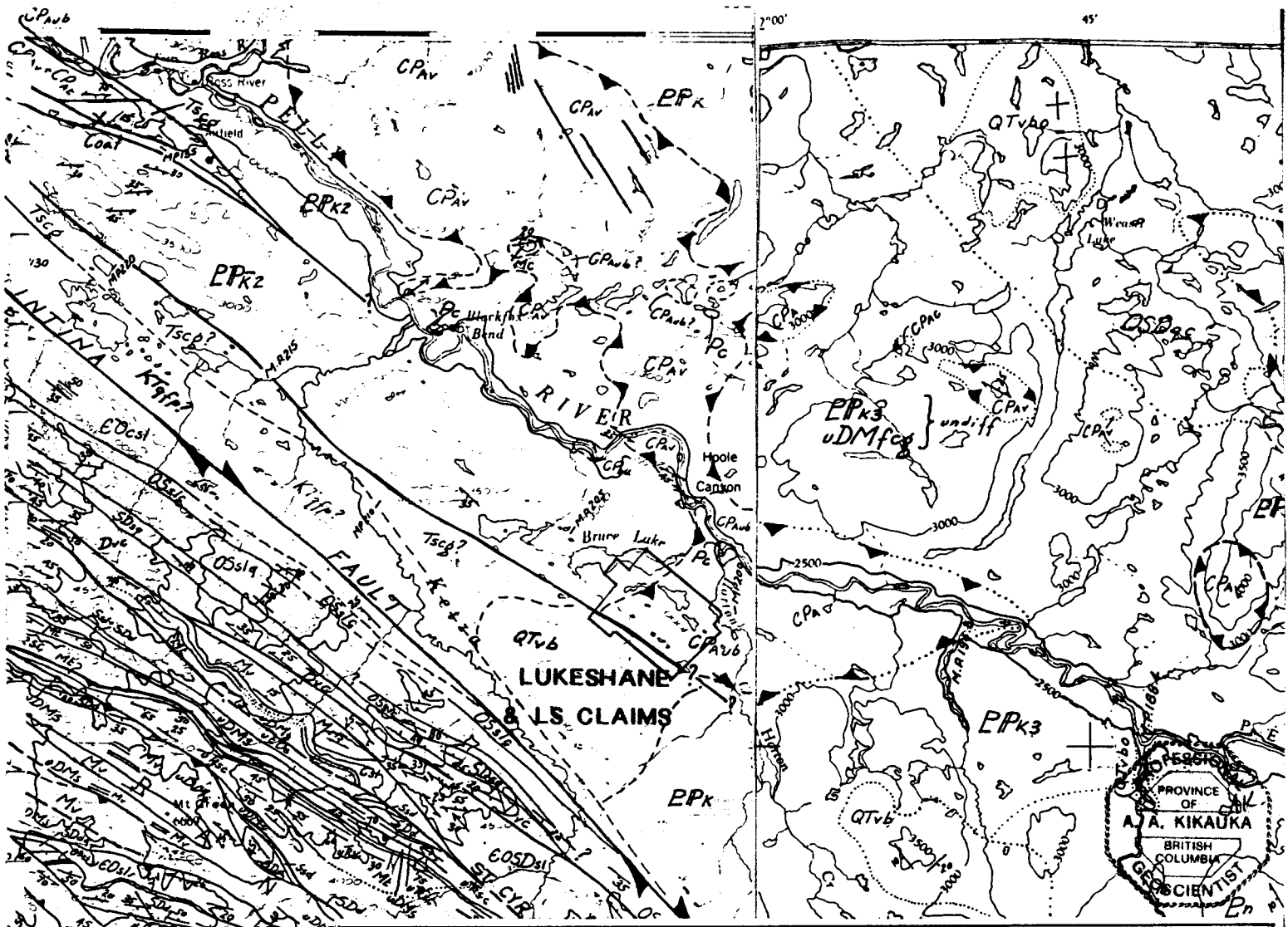
PROFESSIONAL
 PROVINCE OF
 A. A. KIKAUKA
 BRITISH COLUMBIA
 GEOSCIENTIST

CLAIM MAP

SCALE 1:30,000

0 1 2 KM.

FIGURE 4



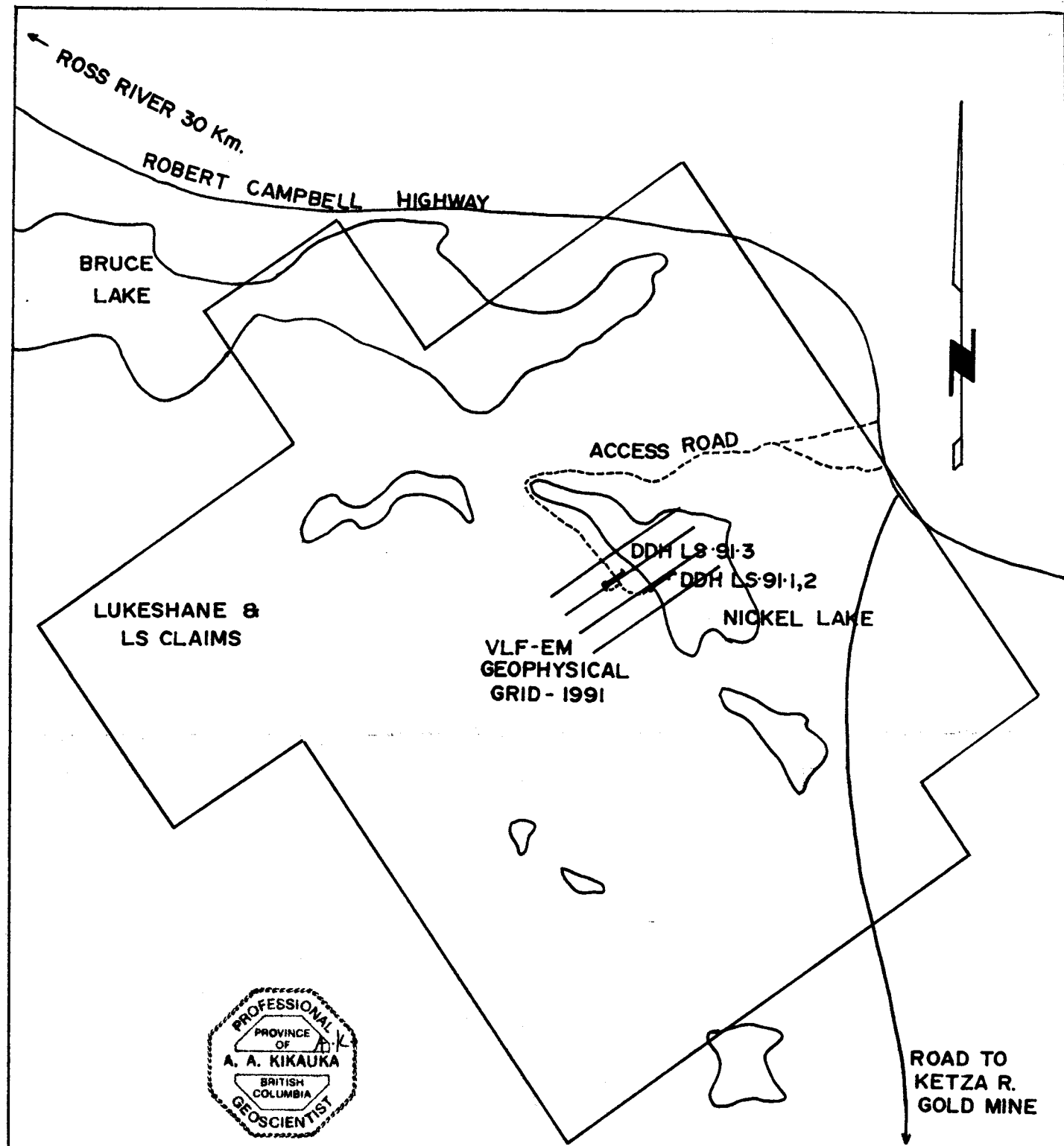
GENERAL GEOLOGY

LEGEND

- QTvb Late Tertiary or Quaternary
 Basalt and basalt breccia, brown weathering
- Tscg Tertiary
 Sandstone, conglomerate, shale, white weathering, poorly indurated, thin bedded, abundant coaly partings, sandstone is coarse grained
- CPAub Carboniferous and Permian (?)
 Basalt, minor augite porphyry, massive, dark green, dark grey weathering, resistant Peridotite, pyroxinite, dunite, and serpentinitized equivalents, resistant, dun brown weathering
- Pc Limestone, white weathering
- PPK Age Unknown
 Klondike schist; quartzite, phyllite, quartzofeldspathic gneiss, cataclastic texture

from GSC Open File 486, D. Templeman-Kluit, 1977

SCALE 1:250,000 0 0.5 1.0 1.5 KM. **FIGURE 5**



BRUCE
LAKE

LUKESHANE &
LS CLAIMS

ROSS RIVER 30 Km.
ROBERT CAMPBELL HIGHWAY

ACCESS ROAD

DDH LS-91-3

DDH LS-91-1,2

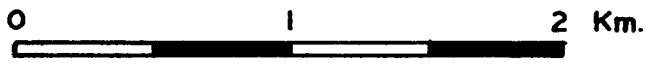
NICKEL LAKE

VLF-EM
GEOPHYSICAL
GRID - 1991

ROAD TO
KETZA R.
GOLD MINE



SCALE 1:37,500



1991 FIELDWORK LOCATION MAP
LUKESHANE PROJECT
CANADIAN COMSTOCK EXPL. LTD.
FIGURE 6

VLF-EM SURVEY

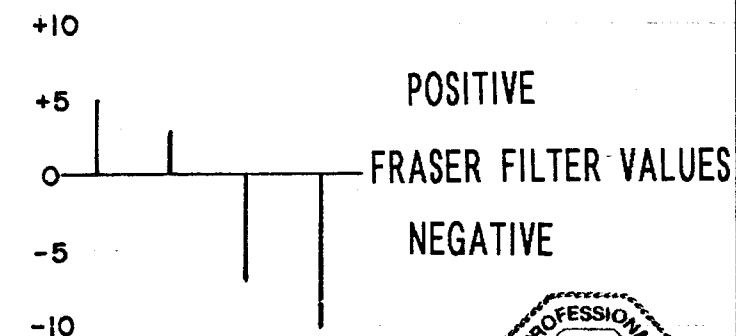
FRASER FILTER VALUES

CANADIAN COMSTOCK EXPL. LTD.

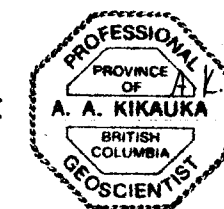
LUKESHANE CLAIMS

WATSON LAKE MINING DISTRICT

LEGEND



DIAMOND DRILL HOLE
LS-91-3



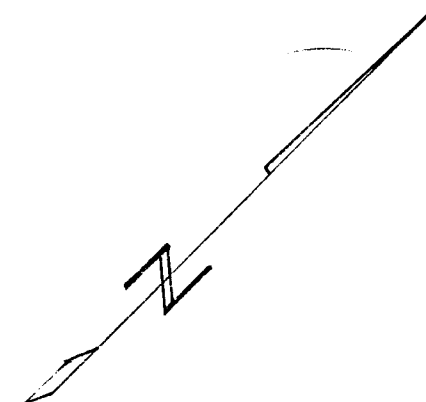
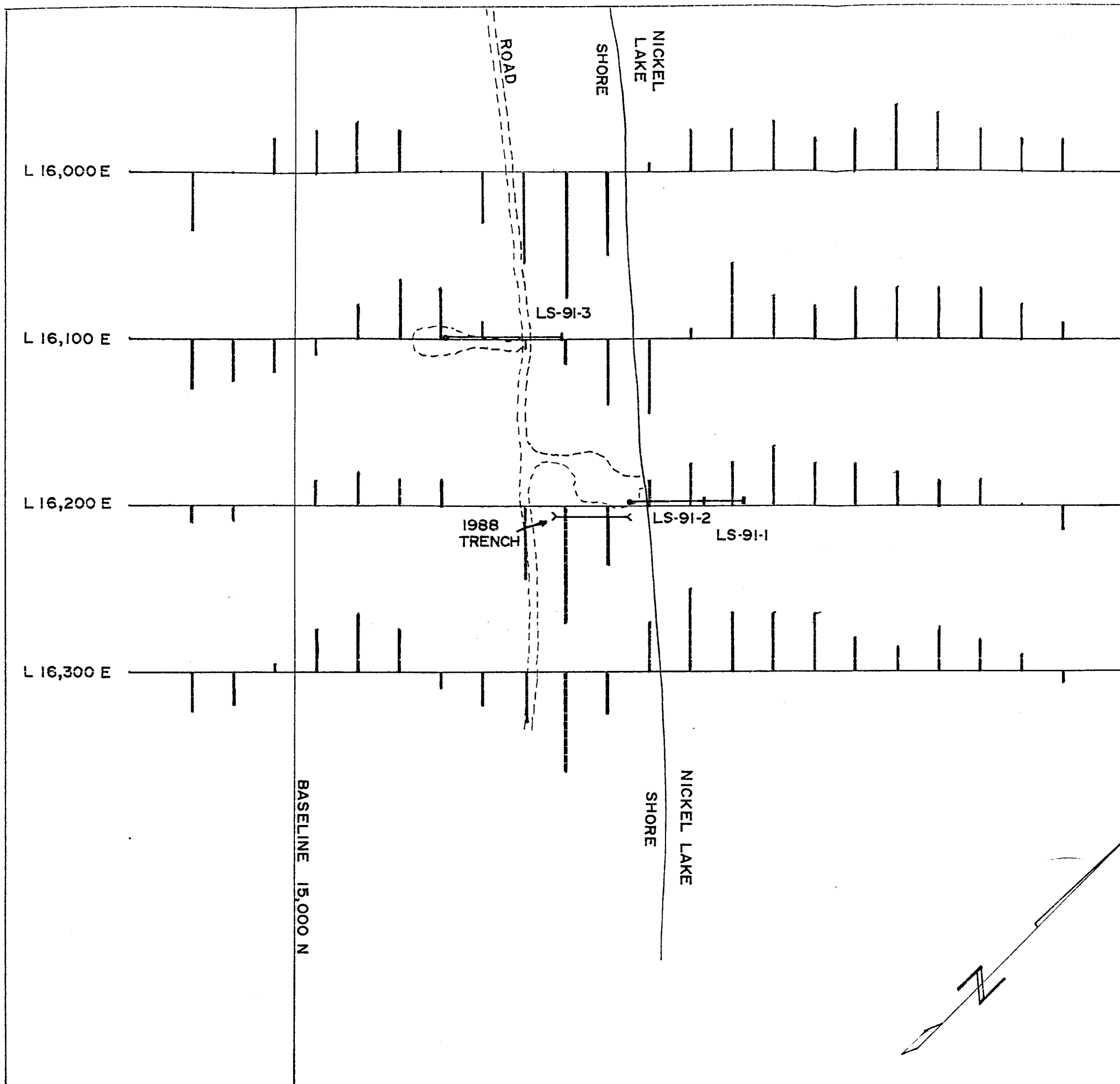
INSTRUMENT: SABRE MODEL 27-STN. SEATTLE, WASH.

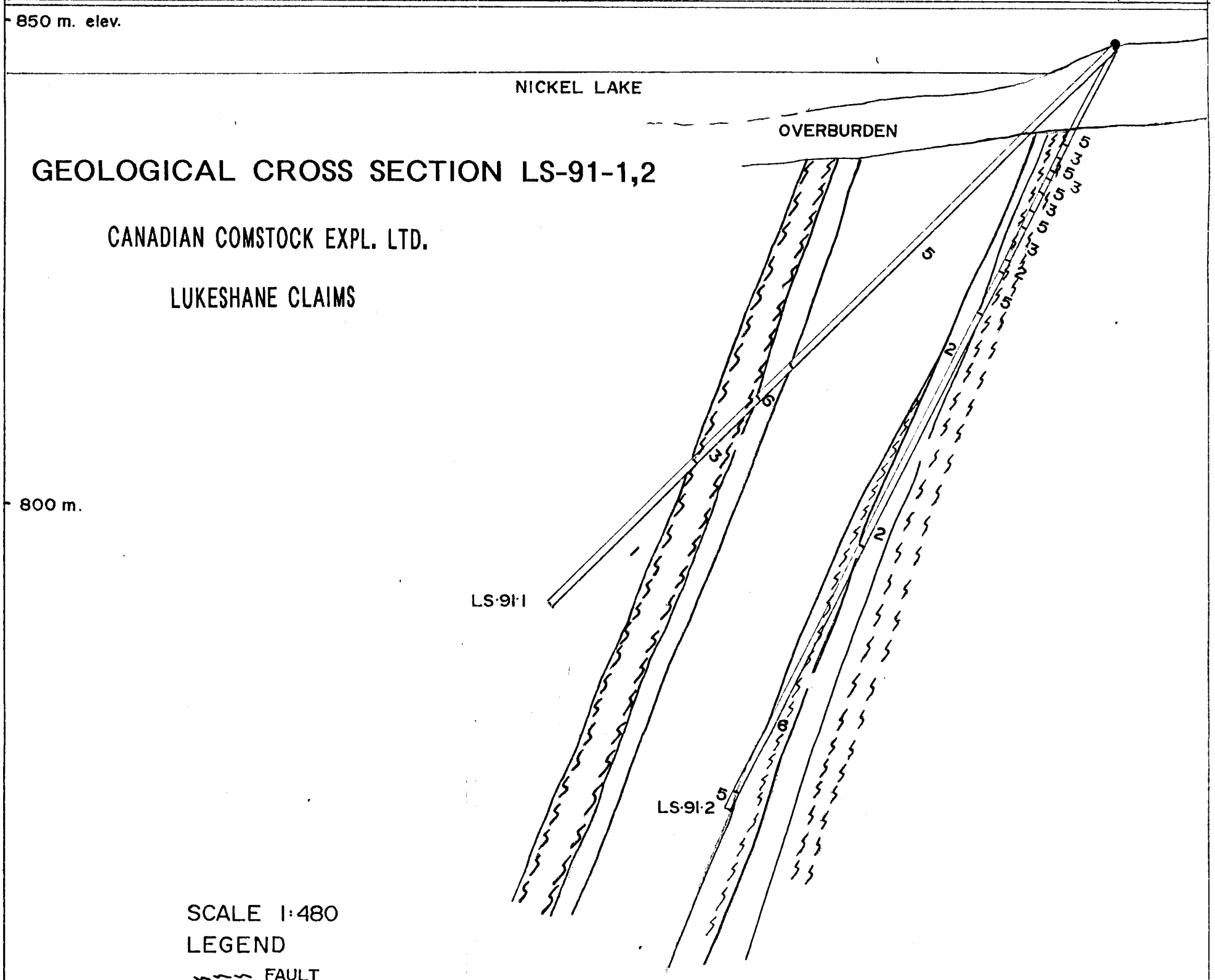
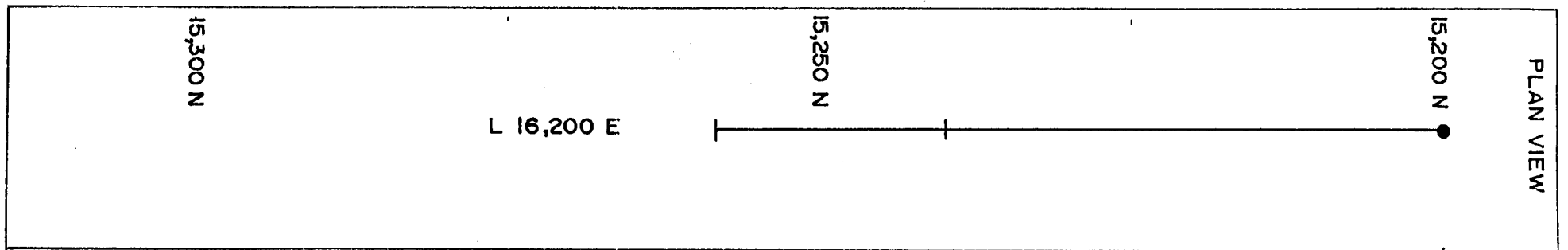
0 100 200 m.

SCALE: 1:2,500

DEC., 1991

FIGURE 7





GEOLOGICAL CROSS SECTION LS-91-1,2

CANADIAN COMSTOCK EXPL. LTD.
 LUKESHANE CLAIMS

SCALE 1:480
 LEGEND

- 6** QUARTZ CRACKLE BRECCIA
 25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, broken ground
- 5** FELSIC VOLCANIC BRECCIA
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures
- 4** VOLCANICLASTIC, VOLCANIC SANDSTONE
 green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings
- 3** GRAPHITIC SHEAR ZONE
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins
- 2** MAFIC PORPHYRY DYKE
 1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures
- 1** BASALT BRECCIA
 0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite



FIGURE 8

L 16,100 E

-15,150 N

-15,100 N

850 m. elev.

OVERBURDEN

GEOLOGICAL CROSS SECTION LS-91-3

CANADIAN COMSTOCK EXPL. LTD.

LUKESHANE CLAIMS

800 m.

LS-91-3

SCALE 1:480
LEGEND

~~~~~ FAULT

6

**QUARTZ CRACKLE BRECCIA**  
25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, broken ground

5

**FELSIC VOLCANIC BRECCIA**  
Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures

4

**VOLCANICLASTIC, VOLCANIC SANDSTONE**  
green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings

3

**GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins

2

**MAFIC PORPHYRY DYKE**  
1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures

1

**BASALT BRECCIA**  
0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite



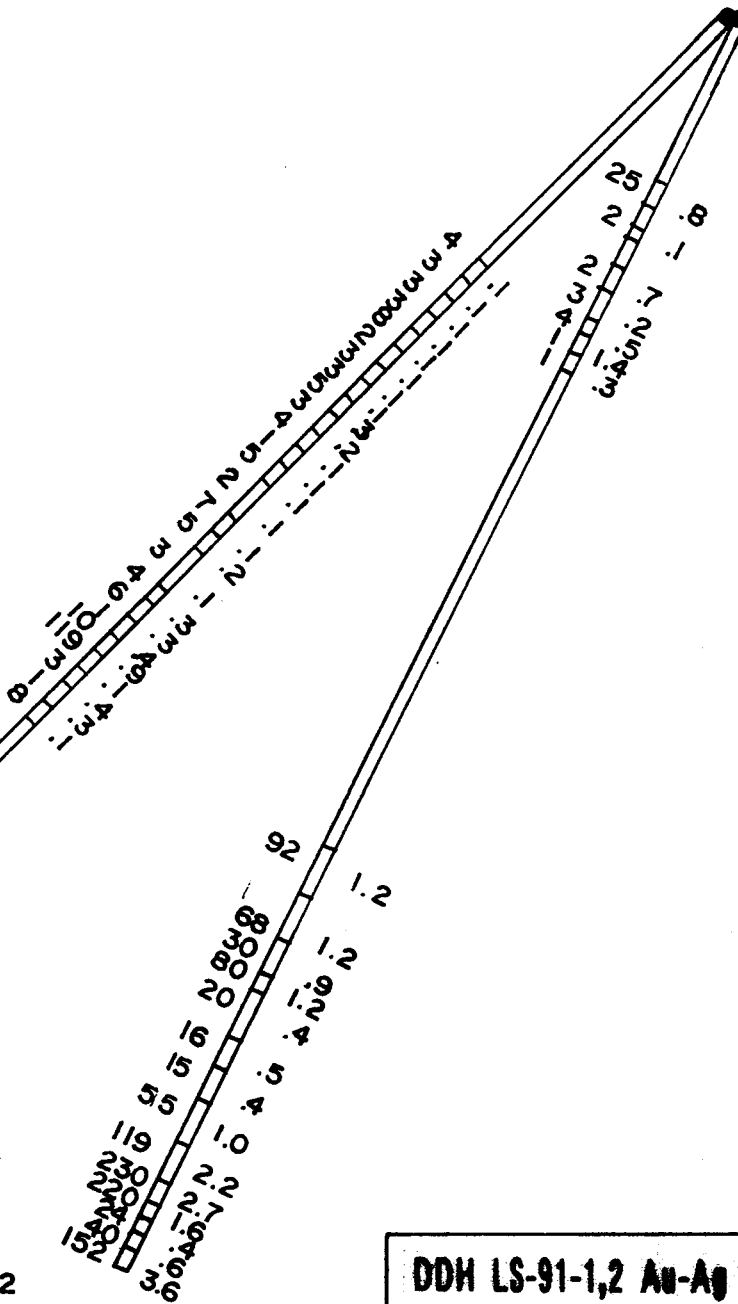
FIGURE 9

850 m. elev.

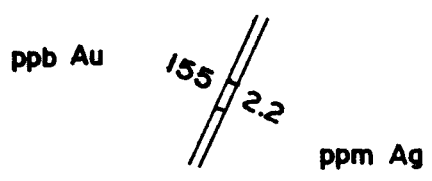
800 m.

LS-91-1

LS-91-2



**DDH LS-91-1,2 Au-Ag GEOCHEMISTRY**



SCALE 1:480

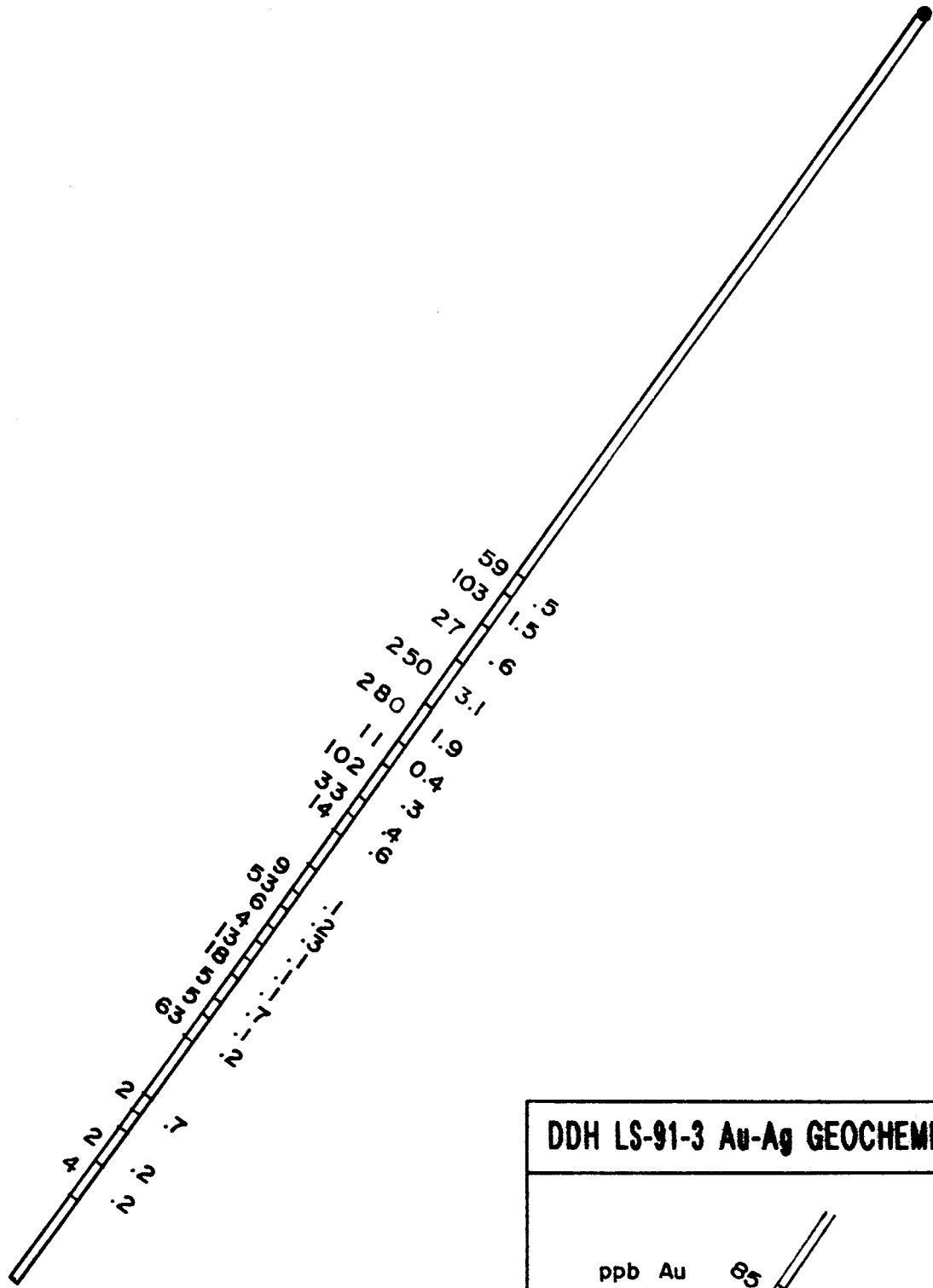
CANADIAN COMSTOCK EXPL. LTD.

LUKESHANE CLAIMS FIGURE 10

850 m. elev.

800 m.

LS-91-3



**DDH LS-91-3 Au-Ag GEOCHEMISTRY**

ppb Au

85

ppm Ag

1.2

SCALE 1:480

**CANADIAN COMSTOCK EXPL. LTD.**

**LUKESHANE CLAIMS FIGURE 11**

BRUCE LAKE

L 14,900 E

L 15,500 E

L 16,000 E

L 16,400 E

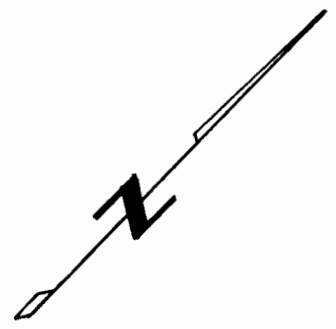
L 17,100 E

L 17,400 E

BL 15,000 N

NICKEL LAKE

ACCESS ROAD



PROPOSED DRILL SITE LOCATIONS

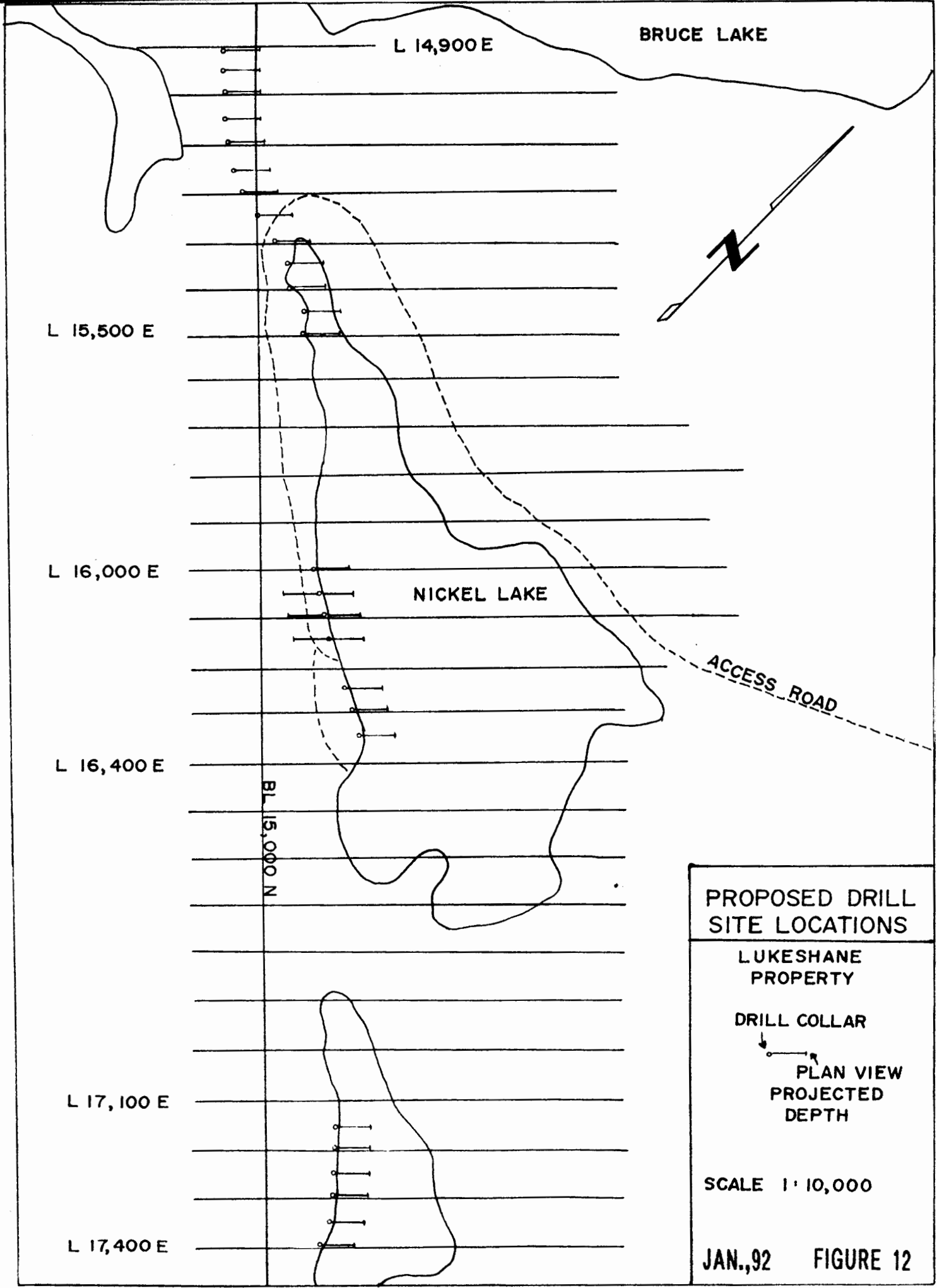
LUKESHANE PROPERTY

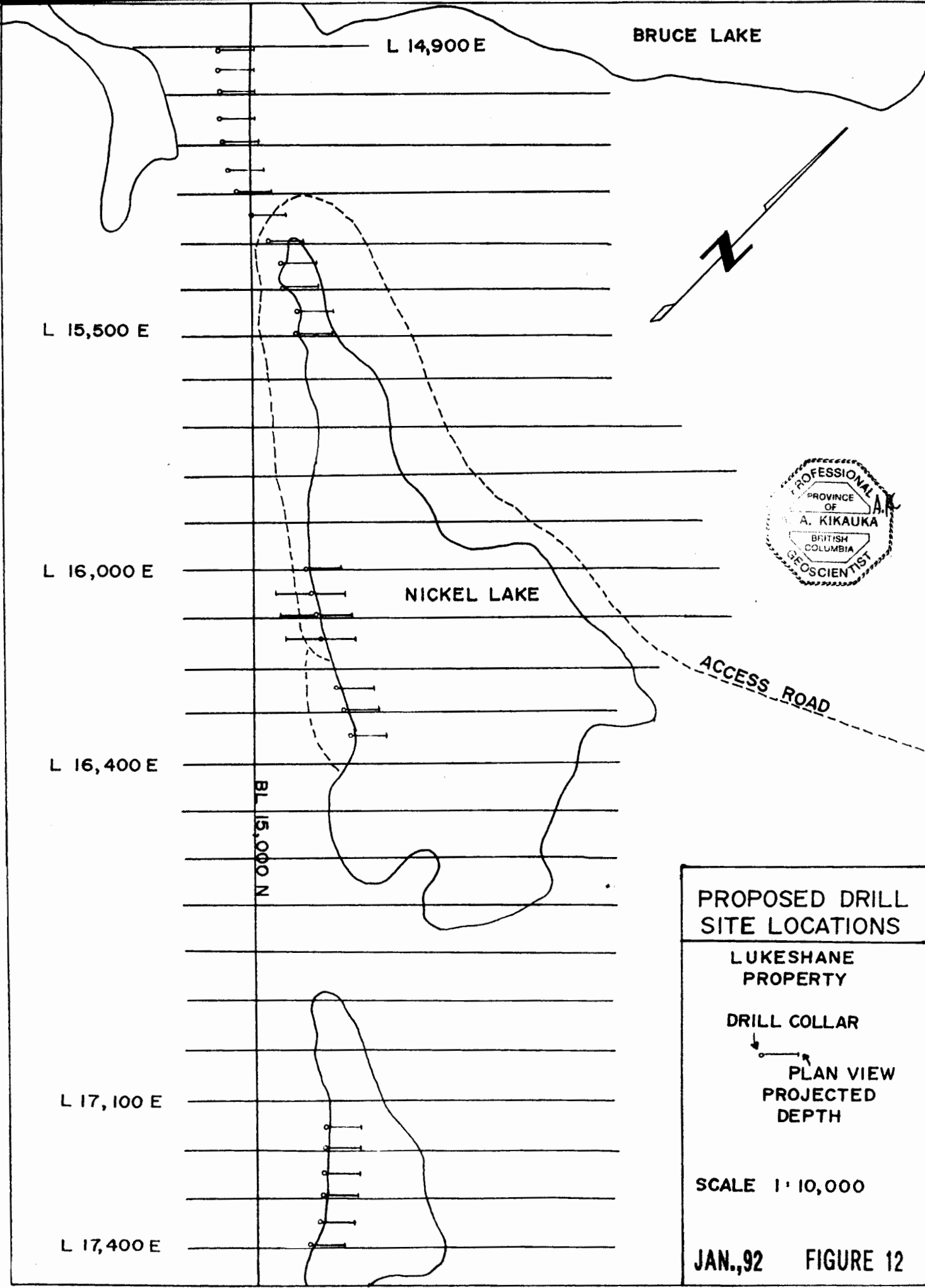
DRILL COLLAR



SCALE 1' 10,000

JAN.,92      FIGURE 12





DIAMOND DRILL HOLE RECORD- HOLE # LS-91-1  
 Company Name: Canadian Comstock Exploration Ltd.  
 Project: Lukeshane Claims, Bruce Lake, YT  
 Collar Coordinates: 15,200 N, 16,200 E Elev: 948 m.  
 Azimuth: 045 degrees Dip: -45 degrees Depth: 270 ft., 82.3 m.  
 Date: Dec. 12-16, 1991 Logged By: Andris Kikauka

From 0.0 To 42.0 feet: CASING

From 42.0 To 155.0 feet: FELSIC VOLCANIC BRECCIA

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 90%.

fault @ 135.0-145.0, 20% recovery

fault @ 145.0-150.0, 70% recovery

Sample Record

Assays

| Sample # | From        | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------------|-------|-------|---------|---------|
| 501      | 70.0        | 75.0  | 5.0   | 4       | 0.1     |
| 502      | 75.0        | 80.0  | 5.0   | 3       | 0.1     |
| 503      | 80.0        | 85.0  | 5.0   | 3       | 0.1     |
| 504      | 85.0        | 90.0  | 5.0   | 3       | 0.1     |
| 505      | 90.0        | 95.0  | 5.0   | 8       | 0.1     |
| 506      | 95.0        | 100.0 | 5.0   | 2       | 0.1     |
| 507      | 100.0       | 105.0 | 5.0   | 3       | 0.1     |
| 508      | 105.0       | 110.0 | 5.0   | 3       | 0.1     |
| 509      | 110.0       | 115.0 | 5.0   | 5       | 0.3     |
| 510      | 115.0       | 120.0 | 5.0   | 3       | 0.2     |
| 511      | 120.0       | 125.0 | 5.0   | 4       | 0.1     |
| 512      | 125.0       | 130.0 | 5.0   | 1       | 0.1     |
| 513      | 130.0       | 135.0 | 5.0   | 5       | 0.1     |
| 514      | 135.0-145.0 | 10.0  | 10.0  | 2       | 0.1     |
| 515      | 145.0-150.0 | 5.0   | 5.0   | 7       | 0.1     |
| 516      | 150.0-155.0 | 5.0   | 5.0   | 5       | 0.2     |

From 155.0 To 170.0 feet: QUARTZ CRACKLE BRECCIA

25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, broken ground, overall recovery 35%

fault @ 155.0-166.0, 20% recovery

fault @ 166.0-170.0, 80% recovery

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 517           | 155.0 | 166.0 | 11.0  | 3       | 0.1     |
| 518           | 166.0 | 170.0 | 4.0   | 4       | 0.3     |

From 170.0 To 200.0 feet: GRAPHITIC SHEAR ZONE  
 10-25% graphite, black colour, crumbled, soft, mushy  
 texture, 3-5% disseminated pyrite-pyrrhotite, minor 0.5-1.5  
 cm.wide quartz veins, overall recovery 85%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 519           | 170.0 | 175.0 | 5.0   | 6       | 0.3     |
| 520           | 175.0 | 180.0 | 5.0   | 1       | 0.4     |
| 521           | 180.0 | 185.0 | 5.0   | 10      | 0.9     |
| 522           | 185.0 | 190.0 | 5.0   | 119     | 0.1     |
| 523           | 190.0 | 194.5 | 4.5   | 3       | 0.4     |
| 524           | 194.5 | 200.0 | 5.5   | 1       | 0.3     |

From 200.0 To 270.0 feet: BASALT BRECCIA  
 0.2-2.0 cm. dark green coloured clasts in a light green  
 coloured matrix, trace-0.5% disseminated pyrite and  
 pyrrhotite, graphite seam @ 203.2-204.4, overall recovery  
 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 525           | 200.0 | 205.0 | 5.0   | 8       | 0.1     |

EOH 270.0 feet

DIAMOND DRILL HOLE RECORD- HOLE # LS-91-2  
 Company Name: Canadian Comstock Exploration Ltd.  
 Project: Lukeshane Claims, Bruce Lake, YT  
 Collar Coordinates: 15,200 N, 16,200 E Elev: 848 m.  
 Azimuth: 045 degrees Dip: -60 degrees Depth: 290 ft., 88.5 m.  
 Date: Dec. 16-19, 1991 Logged By: Andris Kikauka

From 0.0 To 30.0 feet: CASING

From 30.0 To 36.4 feet: FELSIC VOLCANIC BRECCIA  
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25%  
 quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony,  
 0.5-4.0 cm. angular clasts forming crackle breccia and  
 matrix supported breccia, fine grained clay (illite and  
 kaolinite) and sericite in matrix, 1-5% disseminated and

fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 90%

From 36.4 To 41.5 feet: **GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 90%

**Sample Record**

**Assays**

| Sample # | From | To   | Width | Au(ppb) | Ag(ppm) |
|----------|------|------|-------|---------|---------|
| 526      | 36.4 | 41.5 | 5.1   | 25      | 0.8     |

From 41.5 To 46.2 feet: **FELSIC VOLCANIC BRECCIA**  
Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm.angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, graphitic shear at 43.0-44.0, overall recovery 95%

From 46.2 To 49.0 feet: **GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

**Sample Record**

**Assays**

| Sample # | From | To   | Width | Au(ppb) | Ag(ppm) |
|----------|------|------|-------|---------|---------|
| 527      | 46.2 | 49.0 | 2.8   | 2       | 0.1     |

From 49.0 To 55.5 feet: **FELSIC VOLCANIC BRECCIA**  
Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm.angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 95%

From 55.5 To 61.5 feet: **GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

| Sample Record |      |      |       | Assays  |         |
|---------------|------|------|-------|---------|---------|
| Sample #      | From | To   | Width | Au(ppb) | Ag(ppm) |
| 528           | 55.5 | 61.5 | 6.0   | 2       | 0.7     |

From 61.5 To 68.0 feet: **FELSIC VOLCANIC BRECCIA**  
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, 3-5% graphite, increased pyrite along graphite coated fractures, overall recovery 98%

| Sample Record |      |      |       | Assays  |         |
|---------------|------|------|-------|---------|---------|
| Sample #      | From | To   | Width | Au(ppb) | Ag(ppm) |
| 529           | 61.5 | 68.0 | 6.5   | 3       | 0.2     |

From 68.0 To 80.0 feet: **GRAPHITIC SHEAR ZONE**  
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

| Sample Record |      |      |       | Assays  |         |
|---------------|------|------|-------|---------|---------|
| Sample #      | From | To   | Width | Au(ppb) | Ag(ppm) |
| 530           | 68.0 | 71.5 | 3.5   | 4       | 0.5     |
| 531           | 71.5 | 75.5 | 4.0   | 1       | 1.4     |
| 532           | 75.5 | 80.0 | 4.5   | 1       | 0.3     |

From 80.0 To 85.0 feet: **MAFIC PORPHYRY DYKE**  
 1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures, overall recovery 95%

From 85.0 To 100.2 feet: **FELSIC VOLCANIC BRECCIA**  
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 98%

From 100.2 To 188.5 feet: **MAFIC PORPHYRY DYKE**  
 1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures, fault @ 113.0-118.0, 121.0-123.0 (10% graphite), 130.5-132.0 (10% graphite), 135.0-139.0, 144.5-146.0 (some felsic volcanic breccia), 150.0-160.0, 165.0-169.0, 180.0-185.0, recovery in fault zones 70%, overall recovery 90%.

From 188.5 To 281.5 feet: **QUARTZ CRACKLE BRECCIA**  
 25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, minor carbonate (1-5%) from 240.0 to 281.5, broken ground, overall recovery 45%.

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 533           | 188.5 | 200.0 | 11.5  | 92      | 1.2     |
| 534           | 200.0 | 210.0 | 10.0  | 68      | 1.2     |
| 535           | 210.0 | 218.0 | 8.0   | 30      | 0.9     |
| 536           | 218.0 | 222.0 | 4.0   | 80      | 1.2     |
| 537           | 222.0 | 233.0 | 11.0  | 20      | 0.4     |
| 538           | 233.0 | 240.0 | 7.0   | 16      | 0.5     |
| 539           | 240.0 | 247.5 | 7.5   | 15      | 0.4     |
| 540           | 247.5 | 257.0 | 9.5   | 55      | 1.0     |
| 541           | 257.0 | 266.0 | 9.0   | 119     | 2.2     |
| 542           | 266.0 | 271.0 | 5.0   | 230     | 2.7     |
| 543           | 271.0 | 276.5 | 5.5   | 220     | 1.6     |
| 544           | 276.5 | 281.5 | 5.0   | 24      | 0.4     |

From 281.5 To 290.0 feet: **FELSIC VOLCANIC BRECCIA**  
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 5-10% carbonate, 0.1-3.0% red coloured hematite along fractures, overall recovery 85%.

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 545           | 281.5 | 285.0 | 3.5   | 40      | 0.6     |
| 546           | 285.0 | 290.0 | 5.0   | 152     | 3.6     |

EOH 290.0 feet

**DIAMOND DRILL HOLE RECORD- HOLE # LS-91-3**  
**Company Name:** Canadian Comstock Exploration Ltd.  
**Project:** Lukeshane Claims, Bruce Lake, YT  
**Collar Coordinates:** 15,090 N, 16,100 E Elev: 955 m.  
**Azimuth:** 045 degrees **Dip:** -55 degrees **Depth:** 381 ft., 125.7 m.  
**Date:** Dec. 19-22, 1991 **Logged By:** Andris Kikauka

**From 0.0 To 59.5 feet: CASING**

**From 59.5 To 169.0 feet: BASALT BRECCIA**

0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite, fault @ 135.0-137.0, 163.5-164.0, 80% recovery in fault zones, overall recovery 95%

**From 169.0 To 246.0 feet: FELSIC VOLCANIC BRECCIA**

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, 3-5% graphite as 1-2 mm. wide fracture coatings at 45-60 degrees to core axis, increased pyrite along graphite coated fractures, broken ground, fault zone @ 175.0-236.0 with 30% recovery, 10% recovery 184.0-208.0, overall recovery 45%

**Sample Record**

**Assays**

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 547      | 169.0 | 175.0 | 6.0   | 59      | 0.5     |
| 548      | 175.0 | 184.0 | 9.0   | 103     | 1.5     |
| 549      | 184.0 | 195.0 | 11.0  | 27      | 0.6     |
| 550      | 195.0 | 208.0 | 13.0  | 250     | 3.1     |
| 551      | 208.0 | 219.0 | 9.0   | 280     | 1.9     |
| 552      | 219.0 | 226.0 | 7.0   | 11      | 0.4     |
| 553      | 226.0 | 236.0 | 10.0  | 102     | 0.3     |
| 554      | 236.0 | 241.0 | 5.0   | 33      | 0.4     |
| 555      | 241.0 | 246.0 | 5.0   | 14      | 0.6     |

**From 246.0 To 257.0 feet: VOLCANICLASTIC, VOLCANIC SANDSTONE**  
 green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings, 2 cm. wide chalcedony-quartz vein at 30 degrees to core axis @ 251.8 feet

**From 257.0 To 274.0 feet: FELSIC VOLCANIC BRECCIA**

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony,

0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, trace-1% graphite as 1-2 mm. wide fracture coatings, overall recovery 85%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 556           | 257.0 | 264.0 | 7.0   | 9       | 0.1     |
| 557           | 264.0 | 269.0 | 5.0   | 53      | 0.2     |
| 558           | 269.0 | 274.0 | 5.0   | 6       | 0.3     |

From 274.0 To 289.0 feet: **QUARTZ CRACKLE BRECCIA**  
 25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, overall recovery 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 559           | 274.0 | 279.0 | 5.0   | 4       | 0.1     |
| 560           | 279.0 | 284.0 | 5.0   | 13      | 0.1     |
| 561           | 284.0 | 289.0 | 5.0   | 18      | 0.1     |

From 289.0 To 308.5 feet: **GRAPHITIC SHEAR ZONE**  
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins at 70 degrees to core axis, shearing at 40-60 degrees to core axis, overall recovery 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 562           | 289.0 | 296.5 | 7.5   | 5       | 0.7     |
| 563           | 296.5 | 301.5 | 5.0   | 5       | 0.1     |
| 564           | 301.5 | 308.5 | 7.0   | 63      | 0.2     |

From 308.5 To 326.4 feet: **VOLCANICLASTIC, VOLCANIC SANDSTONE**  
 green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings, weak breccia texture @ 322.0 323.0 feet

From 326.4 To 356.0 feet: **GRAPHITIC SHEAR ZONE**  
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins at 45-60 degrees to core axis, shearing

at 40-60 degrees to core axis, fault zone @ 336.0-356.0,  
45% recovery in fault zone, overall recovery 75%

**Sample Record**

**Assays**

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 565      | 326.4 | 330.5 | 4.1   | 2       | 0.7     |
| 566      | 336.0 | 346.0 | 10.0  | 2       | 0.2     |
| 567      | 346.0 | 356.0 | 10.0  | 4       | 0.2     |

From 356.0 To 381.0 feet: **VOLCANICLASTIC, VOLCANIC SANDSTONE**  
green, red, and maroon coloured medium grained size clastic  
sediment, 1 mm. wide yellow-grey coloured clay filled  
fracture coatings, 1 cm. wide quartz vein at 40 degrees to  
core axis @ 370.0, fault @ 358.0-362.0 and 371.0-372.0  
feet, 75% recovery in fault zone, overall recovery 90%

EOH 381.0 feet

GEOCHEMICAL ANALYSIS CERTIFICATE

File # 91-5803 Page 1

1006 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: ANDRIS KIKAUKA

| SAMPLE#         | No  | Cu  | Pb  | Zn  | Ag  | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd   | Sb  | Bi  | V    | Ca   | P    | La  | Cr   | Mg  | Ba  | Ti  | B    | Al   | Na  | K   | M   | Au* |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|------|------|------|-----|------|-----|-----|-----|------|------|-----|-----|-----|-----|
|                 | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm  | %    | ppm | ppm | ppm | ppm | ppm | ppm  | ppm | ppm | ppm  | %    | %    | ppm | ppm  | %   | ppm | %   | ppm  | %    | %   | %   | ppm | ppb |
| 501             | 1   | 37  | 2   | 50  | 1   | 27  | 7   | 259  | 1.70 | 2   | 5   | ND  | 2   | 8   | 2    | 2   | 33  | .10  | .001 | 4    | 19  | .35  | 21  | .01 | 5   | .33  | .01  | .06 | 1   | 4   |     |
| 502             | 1   | 60  | 2   | 62  | 1   | 32  | 10  | 299  | 1.70 | 4   | 5   | ND  | 1   | 10  | 2    | 2   | 38  | .11  | .002 | 4    | 21  | .39  | 45  | .01 | 3   | .43  | .01  | .08 | 1   | 3   |     |
| 503             | 1   | 41  | 2   | 58  | 1   | 38  | 7   | 261  | 1.74 | 3   | 5   | ND  | 1   | 11  | 2    | 2   | 47  | .13  | .002 | 6    | 24  | .43  | 23  | .01 | 3   | .39  | .01  | .05 | 1   | 3   |     |
| 504             | 1   | 37  | 6   | 35  | 1   | 26  | 7   | 279  | 2.14 | 4   | 5   | ND  | 1   | 7   | 2    | 2   | 29  | .13  | .002 | 3    | 15  | .38  | 25  | .01 | 3   | .33  | .01  | .06 | 1   | 3   |     |
| 505             | 1   | 43  | 3   | 54  | 1   | 36  | 10  | 311  | 1.72 | 3   | 5   | ND  | 1   | 8   | 2    | 2   | 33  | .10  | .002 | 5    | 22  | .32  | 60  | .02 | 7   | .66  | .01  | .03 | 1   | 8   |     |
| 506             | 1   | 39  | 6   | 60  | 1   | 33  | 11  | 318  | 2.49 | 4   | 5   | ND  | 1   | 23  | 2    | 2   | 38  | .17  | .003 | 2    | 17  | .49  | 47  | .01 | 3   | .46  | .01  | .02 | 1   | 2   |     |
| 507             | 1   | 36  | 5   | 56  | 1   | 35  | 9   | 255  | 1.74 | 5   | 5   | ND  | 1   | 12  | 2    | 2   | 28  | .16  | .002 | 3    | 22  | .39  | 41  | .01 | 3   | .38  | .01  | .04 | 1   | 3   |     |
| 508             | 1   | 22  | 2   | 96  | 1   | 36  | 7   | 498  | 2.09 | 3   | 5   | ND  | 1   | 14  | 2    | 2   | 18  | .19  | .002 | 2    | 10  | .39  | 48  | .01 | 2   | .36  | .01  | .03 | 1   | 3   |     |
| 509             | 4   | 129 | 14  | 140 | 3   | 106 | 20  | 636  | 5.31 | 9   | 5   | ND  | 1   | 21  | 2    | 3   | 20  | .22  | .019 | 2    | 16  | .33  | 18  | .01 | 2   | .39  | .01  | .02 | 1   | 5   |     |
| 510             | 1   | 48  | 5   | 175 | 2   | 50  | 8   | 547  | 2.67 | 5   | 5   | ND  | 1   | 15  | 2    | 2   | 19  | .16  | .008 | 2    | 10  | .30  | 29  | .01 | 3   | .27  | .01  | .01 | 1   | 3   |     |
| 511             | 4   | 157 | 11  | 84  | 1   | 123 | 22  | 711  | 6.81 | 19  | 5   | ND  | 1   | 29  | 2    | 2   | 22  | .25  | .021 | 3    | 20  | .41  | 14  | .01 | 3   | .30  | .01  | .02 | 1   | 4   |     |
| 512             | 1   | 118 | 6   | 124 | 1   | 96  | 16  | 610  | 4.76 | 28  | 5   | ND  | 1   | 30  | 2    | 2   | 26  | .19  | .022 | 4    | 12  | .33  | 23  | .01 | 2   | .34  | .01  | .04 | 1   | 1   |     |
| 513             | 3   | 79  | 2   | 169 | 1   | 72  | 14  | 548  | 3.31 | 95  | 5   | ND  | 1   | 38  | 3    | 2   | 23  | .23  | .050 | 7    | 15  | .32  | 43  | .01 | 6   | .32  | .01  | .04 | 1   | 5   |     |
| 514             | 1   | 68  | 12  | 213 | 1   | 66  | 20  | 508  | 2.52 | 268 | 5   | ND  | 1   | 55  | 4    | 2   | 24  | .27  | .085 | 6    | 8   | .31  | 53  | .01 | 2   | .28  | .01  | .06 | 1   | 2   |     |
| 515             | 2   | 67  | 4   | 45  | 1   | 34  | 6   | 380  | 1.19 | 30  | 5   | ND  | 1   | 24  | 2    | 2   | 6   | .08  | .022 | 5    | 9   | .11  | 95  | .01 | 2   | .20  | .01  | .04 | 1   | 7   |     |
| 516             | 1   | 47  | 7   | 50  | 2   | 38  | 10  | 443  | 1.47 | 24  | 5   | ND  | 1   | 19  | 2    | 2   | 9   | .11  | .020 | 5    | 5   | .22  | 74  | .01 | 6   | .19  | .01  | .04 | 1   | 5   |     |
| 517             | 2   | 112 | 10  | 40  | 1   | 64  | 18  | 418  | 1.68 | 12  | 5   | ND  | 1   | 21  | 2    | 2   | 11  | .09  | .011 | 5    | 12  | .23  | 97  | .01 | 2   | .26  | .01  | .05 | 1   | 3   |     |
| RE 513          | 3   | 75  | 3   | 159 | 1   | 70  | 13  | 513  | 3.13 | 93  | 5   | ND  | 1   | 36  | 3    | 2   | 22  | .22  | .048 | 6    | 14  | .31  | 54  | .01 | 3   | .30  | .01  | .04 | 1   | 4   |     |
| 518             | 1   | 67  | 13  | 74  | 3   | 37  | 12  | 260  | 1.34 | 10  | 5   | ND  | 2   | 16  | 6    | 2   | 10  | .08  | .012 | 5    | 5   | .18  | 66  | .01 | 7   | .24  | .01  | .04 | 1   | 4   |     |
| 519             | 3   | 86  | 12  | 73  | 3   | 69  | 16  | 236  | 1.90 | 10  | 5   | ND  | 3   | 15  | 9    | 2   | 62  | .12  | .023 | 11   | 26  | .25  | 81  | .01 | 3   | .79  | .01  | .12 | 1   | 6   |     |
| 520             | 6   | 73  | 16  | 114 | 4   | 58  | 14  | 758  | 4.91 | 7   | 5   | ND  | 3   | 32  | 2    | 2   | 100 | .25  | .030 | 11   | 29  | .58  | 53  | .01 | 6   | .78  | .01  | .14 | 1   | 1   |     |
| 521             | 9   | 166 | 14  | 106 | 9   | 76  | 19  | 621  | 5.81 | 14  | 5   | ND  | 3   | 48  | 4    | 2   | 63  | .24  | .037 | 10   | 24  | .52  | 14  | .01 | 7   | .62  | .01  | .18 | 1   | 10  |     |
| 522             | 3   | 32  | 15  | 186 | 1   | 65  | 22  | 564  | 3.21 | 51  | 5   | ND  | 5   | 46  | 2    | 2   | 74  | .24  | .042 | 18   | 23  | .58  | 195 | .01 | 4   | .78  | .01  | .12 | 1   | 119 |     |
| 523             | 6   | 66  | 18  | 150 | 4   | 79  | 21  | 701  | 4.90 | 15  | 5   | ND  | 5   | 28  | 2    | 2   | 86  | .23  | .020 | 17   | 29  | .67  | 88  | .01 | 6   | .64  | .01  | .15 | 1   | 3   |     |
| 524             | 10  | 81  | 10  | 176 | 3   | 103 | 35  | 657  | 4.68 | 90  | 5   | ND  | 4   | 29  | 2    | 2   | 105 | .21  | .018 | 13   | 37  | .67  | 126 | .01 | 5   | .74  | .01  | .12 | 1   | 1   |     |
| 525             | 5   | 46  | 17  | 97  | 1   | 334 | 68  | 1057 | 7.28 | 3   | 5   | ND  | 1   | 66  | 2    | 2   | 55  | 5.53 | .031 | 5    | 430 | 2.82 | 229 | .06 | 10  | 1.22 | .03  | .55 | 1   | 8   |     |
| 526             | 18  | 193 | 11  | 68  | 8   | 104 | 35  | 606  | 3.85 | 4   | 5   | ND  | 4   | 20  | 2.0  | 3   | 4   | 101  | .17  | .009 | 11  | 34   | .52 | 92  | .01 | 8    | .75  | .01 | .11 | 1   | 25  |
| 527             | 6   | 68  | 5   | 168 | 1   | 52  | 16  | 789  | 3.99 | 2   | 5   | ND  | 3   | 27  | 2    | 2   | 94  | .20  | .008 | 10   | 32  | .60  | 165 | .01 | 8   | .54  | .01  | .12 | 1   | 2   |     |
| 528             | 11  | 163 | 4   | 85  | 7   | 90  | 27  | 444  | 4.35 | 6   | 5   | ND  | 1   | 18  | 3    | 5   | 3   | 105  | .14  | .004 | 4   | 37   | .35 | 25  | .01 | 10   | .70  | .01 | .11 | 1   | 2   |
| 529             | 7   | 78  | 7   | 124 | 2   | 197 | 26  | 521  | 3.50 | 60  | 5   | ND  | 3   | 27  | 2    | 4   | 2   | 67   | .24  | .041 | 9   | 89   | .47 | 65  | .01 | 8    | .64  | .01 | .11 | 1   | 3   |
| 530             | 14  | 127 | 17  | 79  | 5   | 71  | 20  | 728  | 8.16 | 2   | 5   | ND  | 2   | 40  | 2    | 2   | 93  | .26  | .014 | 7    | 30  | .85  | 11  | .01 | 7   | .47  | .02  | .13 | 1   | 4   |     |
| 531             | 24  | 240 | 15  | 170 | 1.4 | 157 | 36  | 530  | 7.60 | 6   | 5   | ND  | 2   | 20  | 4    | 2   | 114 | .22  | .009 | 6    | 33  | .68  | 22  | .01 | 9   | .74  | .02  | .16 | 1   | 1   |     |
| 532             | 13  | 143 | 18  | 169 | 3   | 94  | 24  | 709  | 6.96 | 5   | 5   | ND  | 3   | 26  | 2    | 2   | 112 | .26  | .013 | 11   | 31  | .85  | 40  | .01 | 6   | .64  | .02  | .15 | 1   | 1   |     |
| 533             | 9   | 60  | 11  | 92  | 1.2 | 51  | 11  | 1433 | 4.82 | 9   | 5   | ND  | 2   | 40  | 2    | 2   | 60  | 1.57 | .041 | 7    | 24  | 1.11 | 65  | .01 | 8   | .39  | .01  | .11 | 1   | 92  |     |
| 534             | 6   | 67  | 9   | 254 | 1.2 | 28  | 8   | 488  | 1.45 | 12  | 5   | ND  | 1   | 14  | 2.3  | 2   | 2   | 40   | .62  | .016 | 4   | 11   | .43 | 56  | .01 | 7    | .16  | .01 | .04 | 1   | 68  |
| 535             | 27  | 79  | 15  | 235 | 9   | 39  | 5   | 284  | .94  | 20  | 5   | ND  | 1   | 23  | 1.9  | 2   | 3   | 43   | .97  | .030 | 4   | 16   | .53 | 73  | .01 | 2    | .09  | .01 | .05 | 1   | 30  |
| 536             | 25  | 68  | 14  | 153 | 1.2 | 25  | 7   | 361  | 1.27 | 22  | 5   | ND  | 2   | 26  | 9    | 2   | 2   | 28   | .92  | .050 | 6   | 8    | .48 | 42  | .01 | 6    | .13  | .01 | .07 | 1   | 80  |
| STANDARD C/AU-R | 20  | 62  | 38  | 124 | 7.0 | 69  | 33  | 1027 | 3.95 | 60  | 15  | 8   | 35  | 51  | 18.7 | 15  | 20  | 57   | .47  | .083 | 35  | 57   | .86 | 173 | .09 | 34   | 1.87 | .06 | .14 | 11  | 510 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 NL WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPB. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB. - SAMPLE TYPE: CORE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: DEC 23 1991

DATE REPORT MAILED: Jan 3/92

SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



ACME ANALYTICAL



ACME ANALYTICAL

| SAMPLE#         | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppm | Ni<br>ppm | Co<br>ppm | Mn<br>ppm | Fe<br>% | As<br>ppm | U<br>ppm | Au<br>ppm | Th<br>ppm | Sr<br>ppm | Cd<br>ppm | Sb<br>ppm | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | V<br>ppm | Au <sup>+</sup><br>ppb |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------------------|
| 537             | 6         | 45        | 8         | 115       | .4        | 19        | 6         | 240       | .71     | 14        | 5        | ND        | 2         | 20        | .2        | 2         | 2         | 12       | .62     | .031   | 8         | 17        | .34     | 49        | .01     | 5        | .12     | .01     | .09    | 1        | 20                     |
| 538             | 4         | 43        | 5         | 240       | .5        | 22        | 5         | 311       | .91     | 12        | 5        | ND        | 2         | 20        | .5        | 2         | 2         | 15       | .30     | .039   | 1         | 1         | .20     | 62        | .01     | 5        | .16     | .02     | .09    | 1        | 16                     |
| 539             | 2         | 33        | 2         | 125       | .4        | 24        | 5         | 1094      | 1.74    | 18        | 5        | ND        | 1         | 35        | .7        | 2         | 2         | 21       | 2.37    | .068   | 5         | 43        | 1.70    | 40        | .01     | 2        | .14     | .01     | .05    | 1        | 15                     |
| 540             | 21        | 64        | 5         | 195       | 1.0       | 44        | 9         | 558       | 1.98    | 20        | 5        | ND        | 1         | 30        | 1.0       | 2         | 2         | 31       | 1.86    | .032   | 5         | 17        | .96     | 37        | .01     | 2        | .17     | .01     | .07    | 1        | 55                     |
| 541             | 93        | 181       | 18        | 382       | 2.2       | 38        | 5         | 211       | 1.27    | 16        | 5        | ND        | 1         | 33        | 5.4       | 2         | 2         | 50       | .71     | .066   | 6         | 14        | .37     | 81        | .01     | 2        | .21     | .01     | .08    | 1        | 119                    |
| 542             | 117       | 56        | 32        | 240       | 2.7       | 35        | 5         | 363       | 1.41    | 22        | 5        | ND        | 1         | 25        | 1.7       | 3         | 2         | 31       | .31     | .028   | 3         | 41        | .25     | 65        | .01     | 3        | .12     | .01     | .03    | 1        | 230                    |
| 543             | 42        | 72        | 15        | 121       | 1.6       | 46        | 11        | 866       | 3.55    | 27        | 5        | ND        | 1         | 25        | .3        | 2         | 2         | 48       | .79     | .033   | 3         | 19        | .68     | 36        | .01     | 2        | .21     | .01     | .04    | 1        | 220                    |
| 544             | 7         | 35        | 6         | 117       | .4        | 24        | 7         | 549       | 1.55    | 16        | 5        | ND        | 1         | 34        | .8        | 2         | 2         | 23       | 2.88    | .025   | 2         | 12        | 1.41    | 18        | .01     | 2        | .09     | .01     | .04    | 1        | 24                     |
| 545             | 16        | 42        | 4         | 170       | .6        | 27        | 6         | 793       | 1.98    | 17        | 5        | ND        | 1         | 65        | 1.4       | 2         | 2         | 14       | 5.16    | .044   | 6         | 40        | 2.27    | 16        | .01     | 3        | .06     | .01     | .03    | 1        | 40                     |
| 546             | 16        | 99        | 9         | 331       | 3.6       | 23        | 6         | 730       | 1.73    | 18        | 5        | ND        | 1         | 53        | 2.5       | 2         | 2         | 18       | 4.45    | .038   | 4         | 16        | 1.94    | 16        | .01     | 5        | .06     | .01     | .02    | 1        | 152                    |
| 547             | 2         | 60        | 5         | 58        | .5        | 32        | 3         | 246       | 1.23    | 4         | 5        | ND        | 2         | 20        | .2        | 2         | 2         | 58       | .69     | .013   | 9         | 20        | .47     | 23        | .01     | 3        | .19     | .01     | .15    | 1        | 59                     |
| 548             | 4         | 59        | 48        | 125       | 1.5       | 35        | 3         | 297       | 1.50    | 5         | 5        | ND        | 1         | 9         | .5        | 2         | 2         | 46       | .32     | .009   | 5         | 50        | .37     | 20        | .01     | 6        | .13     | .01     | .10    | 1        | 103                    |
| 549             | 1         | 61        | 2         | 125       | .6        | 54        | 5         | 292       | 2.30    | 7         | 5        | ND        | 2         | 10        | 1.2       | 6         | 2         | 56       | .25     | .006   | 5         | 23        | .46     | 20        | .01     | 6        | .21     | .01     | .12    | 1        | 27                     |
| RE 554          | 5         | 39        | 4         | 97        | .5        | 41        | 2         | 102       | .73     | 4         | 5        | ND        | 2         | 8         | .2        | 2         | 2         | 34       | .06     | .010   | 8         | 42        | .11     | 30        | .01     | 6        | .20     | .01     | .16    | 1        | 26                     |
| 550             | 26        | 33        | 2         | 70        | 3.1       | 27        | 2         | 220       | 1.20    | 5         | 5        | ND        | 1         | 7         | .2        | 2         | 2         | 42       | .17     | .008   | 5         | 12        | .21     | 16        | .01     | 2        | .11     | .01     | .09    | 1        | 250                    |
| 551             | 16        | 30        | 7         | 38        | 1.9       | 32        | 2         | 166       | 1.34    | 5         | 5        | ND        | 1         | 9         | .2        | 2         | 2         | 38       | .33     | .010   | 6         | 44        | .28     | 13        | .01     | 3        | .11     | .01     | .09    | 1        | 280                    |
| 552             | 3         | 40        | 7         | 102       | .4        | 47        | 4         | 145       | 1.15    | 3         | 5        | ND        | 3         | 7         | .2        | 3         | 2         | 44       | .09     | .008   | 9         | 21        | .19     | 19        | .01     | 5        | .21     | .01     | .14    | 1        | 11                     |
| 553             | 2         | 44        | 2         | 120       | .3        | 28        | 2         | 154       | 1.21    | 5         | 5        | ND        | 2         | 8         | .2        | 2         | 2         | 41       | .11     | .013   | 9         | 18        | .22     | 25        | .01     | 3        | .18     | .01     | .13    | 1        | 102                    |
| 554             | 6         | 32        | 4         | 88        | .4        | 35        | 2         | 91        | .64     | 3         | 5        | ND        | 2         | 7         | .2        | 2         | 2         | 32       | .05     | .010   | 7         | 40        | .09     | 27        | .01     | 8        | .18     | .01     | .12    | 1        | 33                     |
| 555             | 5         | 31        | 4         | 81        | .6        | 48        | 4         | 140       | .99     | 4         | 5        | ND        | 3         | 7         | .2        | 2         | 2         | 36       | .06     | .011   | 9         | 20        | .15     | 54        | .01     | 5        | .23     | .01     | .15    | 1        | 14                     |
| 556             | 1         | 60        | 2         | 466       | .1        | 80        | 24        | 421       | 3.00    | 4         | 5        | ND        | 2         | 16        | 6.2       | 2         | 2         | 25       | .10     | .005   | 7         | 16        | .46     | 144       | .01     | 5        | .42     | .01     | .11    | 1        | 9                      |
| 557             | 6         | 124       | 11        | 169       | .2        | 71        | 18        | 471       | 4.47    | 8         | 5        | ND        | 1         | 15        | 3.9       | 2         | 2         | 23       | .16     | .003   | 2         | 42        | .49     | 32        | .01     | 5        | .22     | .01     | .07    | 1        | 53                     |
| 558             | 2         | 131       | 4         | 60        | .3        | 66        | 13        | 226       | 2.64    | 18        | 5        | ND        | 1         | 8         | .5        | 2         | 2         | 22       | .07     | .003   | 2         | 16        | .22     | 19        | .01     | 4        | .15     | .01     | .03    | 1        | 6                      |
| 559             | 1         | 85        | 4         | 52        | .1        | 50        | 9         | 393       | 3.32    | 22        | 5        | ND        | 1         | 7         | .3        | 2         | 2         | 23       | .11     | .002   | 2         | 15        | .39     | 18        | .01     | 5        | .16     | .01     | .04    | 1        | 4                      |
| 560             | 4         | 96        | 4         | 118       | .1        | 52        | 16        | 285       | 1.90    | 43        | 5        | ND        | 1         | 7         | .7        | 2         | 2         | 20       | .07     | .002   | 2         | 47        | .26     | 17        | .01     | 3        | .16     | .01     | .04    | 2        | 13                     |
| 561             | 1         | 67        | 3         | 145       | .1        | 91        | 18        | 392       | 2.47    | 29        | 5        | ND        | 1         | 7         | .3        | 2         | 2         | 21       | .11     | .005   | 2         | 16        | .34     | 18        | .01     | 5        | .20     | .01     | .04    | 1        | 18                     |
| 562             | 4         | 65        | 2         | 246       | .7        | 58        | 12        | 335       | 3.21    | 37        | 5        | ND        | 2         | 16        | 1.7       | 2         | 2         | 38       | .16     | .009   | 5         | 18        | .44     | 47        | .01     | 9        | .24     | .01     | .08    | 1        | 5                      |
| 563             | 5         | 95        | 8         | 113       | .1        | 66        | 19        | 416       | 4.18    | 29        | 5        | ND        | 4         | 17        | .2        | 2         | 2         | 46       | .15     | .019   | 12        | 44        | .42     | 42        | .01     | 6        | .67     | .02     | .10    | 1        | 5                      |
| 564             | 3         | 73        | 7         | 124       | .2        | 70        | 21        | 223       | 3.13    | 19        | 5        | ND        | 3         | 20        | .7        | 2         | 2         | 40       | .10     | .011   | 10        | 24        | .35     | 41        | .01     | 5        | .64     | .02     | .16    | 1        | 63                     |
| 565             | 12        | 136       | 23        | 191       | .7        | 118       | 40        | 670       | 7.64    | 26        | 5        | ND        | 2         | 19        | .2        | 2         | 2         | 70       | .22     | .010   | 6         | 29        | .65     | 31        | .01     | 8        | .61     | .02     | .14    | 1        | 2                      |
| 566             | 4         | 87        | 21        | 149       | .2        | 78        | 24        | 717       | 5.00    | 16        | 5        | ND        | 4         | 34        | .2        | 2         | 2         | 56       | .27     | .018   | 12        | 46        | .84     | 73        | .01     | 10       | .66     | .02     | .16    | 1        | 2                      |
| 567             | 1         | 38        | 3         | 47        | .2        | 45        | 8         | 294       | 1.80    | 8         | 5        | ND        | 3         | 28        | .2        | 2         | 2         | 17       | .14     | .008   | 10        | 15        | .42     | 89        | .01     | 7        | .26     | .01     | .10    | 1        | 4                      |
| STANDARD C/AU-R | 20        | 64        | 44        | 127       | 7.2       | 72        | 31        | 1091      | 3.95    | 43        | 16       | 8         | 36        | 53        | 16.5      | 16        | 20        | 60       | .50     | .087   | 37        | 55        | .88     | 176       | .09     | 36       | 1.89    | .05     | .14    | 13       | 520                    |

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER  
 TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,000 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -1   |               | 50             |
| 14,925 N | 0    | -7            | 50             |
| 14,950 N | 4    | 0             | 52             |
| 14,975 N | 2    | 4             | 54             |
| 15,000 N | 2    | 5             | 56             |
| 15,025 N | 0    | 6             | 54             |
| 15,050 N | -1   | 5             | 54             |
| 15,075 N | -3   | 0             | 56             |
| 15,100 N | -3   | -6            | 51             |
| 15,125 N | -1   | -11           | 48             |
| 15,150 N | 1    | -15           | 46             |
| 15,175 N | 6    | -10           | 49             |
| 15,200 N | 9    | 1             | 56             |
| 15,225 N | 8    | 5             | 60             |
| 15,250 N | 6    | 5             | 62             |
| 15,275 N | 6    | 6             | 64             |
| 15,300 N | 3    | 4             | 66             |
| 15,325 N | 3    | 5             | 68             |
| 15,350 N | 2    | 8             | 66             |
| 15,375 N | -1   | 7             | 61             |
| 15,400 N | -2   | 5             | 60             |
| 15,425 N | -4   | 4             | 59             |
| 15,450 N | -4   | 4             | 57             |
| 15,475 N | -6   |               | 57             |
| 15,500 N | -6   |               | 58             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER

TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,100 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -3   |               | 49             |
| 14,925 N | -1   | -6            | 47             |
| 14,950 N | 0    | -5            | 49             |
| 14,975 N | 2    | -4            | 51             |
| 15,000 N | 2    | -2            | 53             |
| 15,025 N | 4    | 4             | 54             |
| 15,050 N | 2    | 7             | 57             |
| 15,075 N | 0    | 6             | 53             |
| 15,100 N | -1   | 2             | 52             |
| 15,125 N | -3   | -1            | 52             |
| 15,150 N | 0    | -3            | 49             |
| 15,175 N | 3    | -8            | 48             |
| 15,200 N | 3    | -9            | 50             |
| 15,225 N | 8    | 1             | 54             |
| 15,250 N | 7    | 9             | 60             |
| 15,275 N | 3    | 5             | 66             |
| 15,300 N | 3    | 4             | 64             |
| 15,325 N | 2    | 6             | 63             |
| 15,350 N | 0    | 6             | 61             |
| 15,375 N | -1   | 6             | 60             |
| 15,400 N | -3   | 6             | 58             |
| 15,425 N | -4   | 4             | 57             |
| 15,450 N | -6   | 2             | 58             |
| 15,475 N | -5   |               | 59             |
| 15,500 N | -7   |               | 60             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER

TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,200 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -1   |               | 52             |
| 14,925 N | 0    | -2            | 53             |
| 14,950 N | 0    | -2            | 53             |
| 14,975 N | 1    | 0             | 55             |
| 15,000 N | 1    | 3             | 54             |
| 15,025 N | 0    | 4             | 56             |
| 15,050 N | -1   | 3             | 51             |
| 15,075 N | -2   | 3             | 49             |
| 15,100 N | -2   | 0             | 47             |
| 15,125 N | -4   | -9            | 46             |
| 15,150 N | 0    | -14           | 49             |
| 15,175 N | 3    | -7            | 51             |
| 15,200 N | 7    | 3             | 54             |
| 15,225 N | 4    | 5             | 56             |
| 15,250 N | 3    | 5             | 59             |
| 15,275 N | 3    | 7             | 60             |
| 15,300 N | -1   | 5             | 62             |
| 15,325 N | 0    | 5             | 66             |
| 15,350 N | -3   | 4             | 61             |
| 15,375 N | -3   | 3             | 59             |
| 15,400 N | -4   | 3             | 57             |
| 15,425 N | -5   | 0             | 57             |
| 15,450 N | -5   | -3            | 58             |
| 15,475 N | -4   |               | 57             |
| 15,500 N | -3   |               | 59             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER  
 TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,300 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -2   |               | 52             |
| 14,925 N | -1   | -5            | 54             |
| 14,950 N | 0    | -4            | 51             |
| 14,975 N | 2    | 1             | 53             |
| 15,000 N | 1    | 5             | 54             |
| 15,025 N | 0    | 7             | 56             |
| 15,050 N | -2   | 5             | 55             |
| 15,075 N | -4   | -2            | 53             |
| 15,100 N | -3   | -4            | 52             |
| 15,125 N | -1   | -6            | 49             |
| 15,150 N | 4    | -12           | 51             |
| 15,175 N | 6    | -5            | 54             |
| 15,200 N | 9    | 6             | 58             |
| 15,225 N | 6    | 10            | 61             |
| 15,250 N | 3    | 7             | 62             |
| 15,275 N | 2    | 7             | 64             |
| 15,300 N | 0    | 7             | 62             |
| 15,325 N | -2   | 4             | 60             |
| 15,350 N | -3   | 3             | 59             |
| 15,375 N | -3   | 5             | 57             |
| 15,400 N | -5   | 4             | 55             |
| 15,425 N | -6   | 2             | 56             |
| 15,450 N | -6   | -1            | 56             |
| 15,475 N | -7   |               | 57             |
| 15,500 N | -6   |               | 59             |



28 January, 1992

Your file    Votre référence

Our file    Notre référence

340-13-3

**DIRECTOR GENERAL, YUKON REGION**

**ATTENTION: REGIONAL MANAGER MINERAL RIGHTS**

**RESTRICTED**

Enclosed are Diamond Drill Logs etc. submitted by MCA Management Consulting Ltd. Allen Carlos for assessment on the LS mineral claims located on 105-F-16.

Diamond Drilling was as follows:

|                    |             |          |
|--------------------|-------------|----------|
| Drill Hole LS-91-1 | LUKESHANE 7 | 270 FEET |
| Drill Hole LS-91-2 | LUKESHANE 7 | 290 FEET |
| Drill Hole LS-91-3 | LUKESHANE 9 | 381 FEET |
| TOTAL              |             | 941 FEET |

Assessment Credit requested is \$6,000.00. The drill core is stored at 275 Alsek Drive, Whitehorse.

Yours truly,

Patti L. McLeod  
Mining Recorder  
Watson Lake Mining District  
Box 269  
Watson Lake, Yukon  
Y0A 1C0



092996

encls.

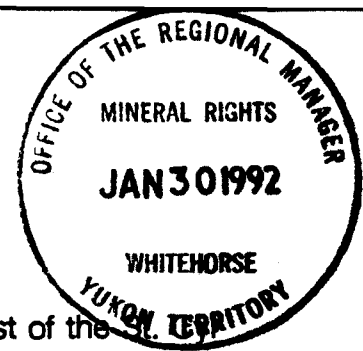
→ cc: Regional Manager, Geological Services

NJM

Patty McCleod

2 copies

location of  
drill logs  
locations  
contract  
invoice  
cut & drill.



### PHYSIOGRAPHY

The Lukeshane property lies in the floor of the Tintina Trench, northeast of the Range of the Pelly Mountains. The Tintina Trench is a deep northwest-southeast orientated depression marking a left lateral fault. The trench is 8-10 km wide in the Ross River region and the Pelly River winds through the depression. Glacial overburden up to 75 m thick and small lakes cover the valley floor. Ice movement was from the southeast to the northwest. Elevations in the Bruce Lake area vary from 820 to 915 m and the topography is gentle with many swampy areas and sparse outcrop.

The Ross River district has a northern interior climate marked by long cold winters and low annual precipitation. Exploration on the property can be performed on a year round basis but is most practical in the late winter months.

Vegetation is predominantly spruce with thickets of aspen and birch. Ground cover of dwarf birch and alder is patchy. Permafrost underlies some of the area.

### PROPERTY

The Lukeshane property consists of 80 contiguous mineral claims, as shown in Figure 4 and as listed in Table 1.

536-7366

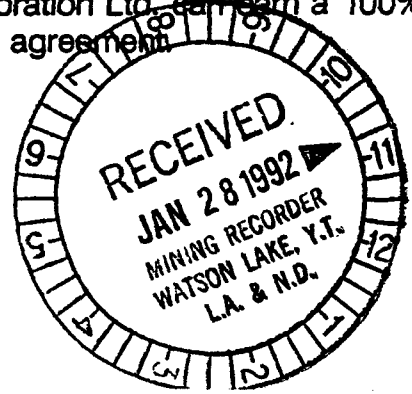
TABLE 1  
Claim Data

| Claim Name      | Grant Number    | Expiry Date    |
|-----------------|-----------------|----------------|
| Lukeshane 3-13  | YA71081-YA71091 | Dec. 14, 1992  |
| Lukeshane 38-40 | YA71116-YA71118 | Dec. 14, 1992  |
| Lukeshane 42-48 | YA71120-YA71126 | Dec. 14, 1992  |
| LS 1-60         | YB01352-YB01411 | Sept. 17, 1991 |

13-14

The Lukeshane 3-13, 38-40 and 42-48 claims were staked on May 30, 1984 and recorded in the office of the district mining recorder in Watson Lake on June 14, 1984. The LS 1-60 claims were staked around the Lukeshane block on September 8, 1987 and recorded in Watson Lake on September 17, 1987. The claims are owned by Mr. A. Carlos of Whitehorse, Yukon. Canadian Comstock Exploration Ltd. can earn a 100% interest in the property by meeting the terms of an option agreement.

092396<sup>5</sup>





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

December 22, 1991  
Invoice #2964  
69-5

IN ACCOUNT WITH:

MCA Management

Drilling Charges December 12 to 22, 1991

(Ross River)

Hole: 91-1 1-45/N

Moving

31.5 man hrs @ \$33.00 per hr. = \$ 1039.50

Tractor D6

8 machine hrs. @ \$100.00 per hr. = \$ 800.00

Casing NW

0 - 40 = 40 ft. @ \$31.00 per ft. = \$ 1240.00

Coring N

40 - 270 = 230 ft. @ \$31.00 per ft. = \$ 7130.00 \$10,209.50

Hole: 91-2 1-60/N

Tractor D6

1 machine hrs. @ \$100.00 per hr. = \$ 100.00

Casing NW

0 - 30 = 30 ft. @ \$31.00 per ft. = \$ 930.00

Coring N

30 - 290 = 260 ft. @ \$31.00 per ft. = \$ 8060.00 \$ 9090.00

Hole: 91-3 1-55/N

Moving

14 man hrs @ \$33.00 per hr. = \$ 462.00

Tractor D6

7 machine hrs. @ \$100.00 per hr. = \$ 700.00

Casing NW

0 - 60 = 60 ft. @ \$31.00 per ft. = \$ 1,860.00

Coring N

60 - 380 = 320 ft. @ \$31.00 per ft. = \$ 9,920.00 \$12,942.00





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

Mobilization & Demobilization

Whse.-Ross -Whse. @ flat rate \$3,000.00

Room and Board

3 men @ 11 days @ \$100.00 per day \$3,300.00

Items Consumed & Chargeable

12 Propane from WHSE. @ \$50.00 each \$ 600.00

9 Propane from Faro @ \$60.00 each \$ 540.00

3 Propane from Ross R. @ \$65.00 each \$ 195.00 \$ 7,635.00

Subtotal \$39,876.50

G.S.T. R101557122 @ 7% \$ 2,791.35

Total \$42,667.85

Less Advance \$20,000.00

Total Invoice \$22,667.85



# DRILL CORE STORED AT 275 ALSEK DRIVE, WHITEHORSE, YT

DIAMOND DRILL HOLE RECORD- HOLE # LS-91-1  
Company Name: Canadian Comstock Exploration Ltd.  
Project: Lukeshane Claims, Bruce Lake, YT  
Collar Coordinates: 15,200 N, 16,200 E Elev: 848 m.  
Azimuth: 045 degrees Dip: -45 degrees Depth: 270 ft., 82.3 m.  
Date: Dec. 12-16, 1991 Logged By: Andris Kikauka

From 0.0 To 42.0 feet: CASING

From 42.0 To 155.0 feet: FELSIC VOLCANIC BRECCIA

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 90%.

fault @ 135.0-145.0, 20% recovery

fault @ 145.0-150.0, 70% recovery

| Sample Record |             |       |       | Assays  |         |
|---------------|-------------|-------|-------|---------|---------|
| Sample #      | From        | To    | Width | Au(ppb) | Ag(ppm) |
| 501           | 70.0        | 75.0  | 5.0   | 4       | 0.1     |
| 502           | 75.0        | 80.0  | 5.0   | 3       | 0.1     |
| 503           | 80.0        | 85.0  | 5.0   | 3       | 0.1     |
| 504           | 85.0        | 90.0  | 5.0   | 3       | 0.1     |
| 505           | 90.0        | 95.0  | 5.0   | 8       | 0.1     |
| 506           | 95.0        | 100.0 | 5.0   | 2       | 0.1     |
| 507           | 100.0       | 105.0 | 5.0   | 3       | 0.1     |
| 508           | 105.0       | 110.0 | 5.0   | 3       | 0.1     |
| 509           | 110.0       | 115.0 | 5.0   | 5       | 0.3     |
| 510           | 115.0       | 120.0 | 5.0   | 3       | 0.2     |
| 511           | 120.0       | 125.0 | 5.0   | 4       | 0.1     |
| 512           | 125.0       | 130.0 | 5.0   | 1       | 0.1     |
| 513           | 130.0       | 135.0 | 5.0   | 5       | 0.1     |
| 514           | 135.0-145.0 |       | 10.0  | 2       | 0.1     |
| 515           | 145.0-150.0 |       | 5.0   | 7       | 0.1     |
| 516           | 150.0-155.0 |       | 5.0   | 5       | 0.2     |

From 155.0 To 170.0 feet: QUARTZ CRACKLE BRECCIA

25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, broken ground, overall recovery 35%.

fault @ 155.0-166.0, 20% recovery

fault @ 166.0-170.0, 80% recovery

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 517           | 155.0 | 166.0 | 11.0  | 3       | 0.1     |
| 518           | 166.0 | 170.0 | 4.0   | 4       | 0.3     |

From 170.0 To 200.0 feet: **GRAPHITIC SHEAR ZONE**  
 10-25% graphite, black colour, crumbled, soft, mushy texture, 3-5% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, overall recovery 85%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 519           | 170.0 | 175.0 | 5.0   | 6       | 0.3     |
| 520           | 175.0 | 180.0 | 5.0   | 1       | 0.4     |
| 521           | 180.0 | 185.0 | 5.0   | 10      | 0.9     |
| 522           | 185.0 | 190.0 | 5.0   | 119     | 0.1     |
| 523           | 190.0 | 194.5 | 4.5   | 3       | 0.4     |
| 524           | 194.5 | 200.0 | 5.5   | 1       | 0.3     |

From 200.0 To 270.0 feet: **BASALT BRECCIA**  
 0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite, graphite seam @ 203.2-204.4, overall recovery 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 525           | 200.0 | 205.0 | 5.0   | 8       | 0.1     |

EOH 270.0 feet

**DIAMOND DRILL HOLE RECORD- HOLE # LS-91-2**  
**Company Name:** Canadian Comstock Exploration Ltd.  
**Project:** Lukeshane Claims, Bruce Lake, YT  
**Collar Coordinates:** 15,200 N, 16,200 E **Elev:** 848 m.  
**Azimuth:** 045 degrees **Dip:** -60 degrees **Depth:** 290 ft., 88.5 m.  
**Date:** Dec. 16-19, 1991 **Logged By:** Andris Kikauka

From 0.0 To 30.0 feet: **CASING**

From 30.0 To 36.4 feet: **FELSIC VOLCANIC BRECCIA**  
 Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and

fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 90%

**From 36.4 To 41.5 feet: GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 90%

| Sample Record |      |      |       | Assays  |         |
|---------------|------|------|-------|---------|---------|
| Sample #      | From | To   | Width | Au(ppb) | Ag(ppm) |
| 526           | 36.4 | 41.5 | 5.1   | 25      | 0.8     |

**From 41.5 To 46.2 feet: FELSIC VOLCANIC BRECCIA**  
Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm.angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, graphitic shear at 43.0-44.0, overall recovery 95%

**From 46.2 To 49.0 feet: GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

| Sample Record |      |      |       | Assays  |         |
|---------------|------|------|-------|---------|---------|
| Sample #      | From | To   | Width | Au(ppb) | Ag(ppm) |
| 527           | 46.2 | 49.0 | 2.8   | 2       | 0.1     |

**From 49.0 To 55.5 feet: FELSIC VOLCANIC BRECCIA**  
Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm.angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 95%

**From 55.5 To 61.5 feet: GRAPHITIC SHEAR ZONE**  
10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm.wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

**Sample Record****Assays**

| Sample # | From | To   | Width | Au(ppb) | Ag(ppm) |
|----------|------|------|-------|---------|---------|
| 528      | 55.5 | 61.5 | 6.0   | 2       | 0.7     |

**From 61.5 To 68.0 feet: FELSIC VOLCANIC BRECCIA**

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, 3-5% graphite, increased pyrite along graphite coated fractures, overall recovery 98%

**Sample Record****Assays**

| Sample # | From | To   | Width | Au(ppb) | Ag(ppm) |
|----------|------|------|-------|---------|---------|
| 529      | 61.5 | 68.0 | 6.5   | 3       | 0.2     |

**From 68.0 To 80.0 feet: GRAPHITIC SHEAR ZONE**

10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins, shearing at 20-40 degrees to core axis, overall recovery 95%

**Sample Record****Assays**

| Sample # | From | To   | Width | Au(ppb) | Ag(ppm) |
|----------|------|------|-------|---------|---------|
| 530      | 68.0 | 71.5 | 3.5   | 4       | 0.5     |
| 531      | 71.5 | 75.5 | 4.0   | 1       | 1.4     |
| 532      | 75.5 | 80.0 | 4.5   | 1       | 0.3     |

**From 80.0 To 85.0 feet: MAFIC PORPHYRY DYKE**

1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures, overall recovery 95%

**From 85.0 To 100.2 feet: FELSIC VOLCANIC BRECCIA**

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, overall recovery 98%

**From 100.2 To 188.5 feet: MAFIC PORPHYRY DYKE**

1-5 mm. plagioclase phenocrysts (elongated) forming weak fabric direction 10-30 degrees to core axis, fine grained black coloured matrix, graphitic fracture coatings, 1-3% disseminated and fracture filling pyrite and pyrrhotite, trace-1.0% serpentine along sheared fractures, fault @ 113.0-118.0, 121.0-123.0 (10% graphite), 130.5-132.0 (10% graphite), 135.0-139.0, 144.5-146.0 (some felsic volcanic breccia), 150.0-160.0, 165.0-169.0, 180.0-185.0, recovery in fault zones 70%, overall recovery 90%.

**From 188.5 To 281.5 feet: QUARTZ CRACKLE BRECCIA**

25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, minor carbonate (1-5%) from 240.0 to 281.5, broken ground, overall recovery 45%.

**Sample Record**

**Assays**

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 533      | 188.5 | 200.0 | 11.5  | 92      | 1.2     |
| 534      | 200.0 | 210.0 | 10.0  | 68      | 1.2     |
| 535      | 210.0 | 218.0 | 8.0   | 30      | 0.9     |
| 536      | 218.0 | 222.0 | 4.0   | 80      | 1.2     |
| 537      | 222.0 | 233.0 | 11.0  | 20      | 0.4     |
| 538      | 233.0 | 240.0 | 7.0   | 16      | 0.5     |
| 539      | 240.0 | 247.5 | 7.5   | 15      | 0.4     |
| 540      | 247.5 | 257.0 | 9.5   | 55      | 1.0     |
| 541      | 257.0 | 266.0 | 9.0   | 119     | 2.2     |
| 542      | 266.0 | 271.0 | 5.0   | 230     | 2.7     |
| 543      | 271.0 | 276.5 | 5.5   | 220     | 1.6     |
| 544      | 276.5 | 281.5 | 5.0   | 24      | 0.4     |

**From 281.5 To 290.0 feet: FELSIC VOLCANIC BRECCIA**

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 5-10% carbonate, 0.1-3.0% red coloured hematite along fractures, overall recovery 85%.

**Sample Record**

**Assays**

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 545      | 281.5 | 285.0 | 3.5   | 40      | 0.6     |
| 546      | 285.0 | 290.0 | 5.0   | 152     | 3.6     |

EOH 290.0 feet

DIAMOND DRILL HOLE RECORD- HOLE # LS-91-3  
 Company Name: Canadian Comstock Exploration Ltd.  
 Project: Lukeshane Claims, Bruce Lake, YT  
 Collar Coordinates: 15,090 N, 16,100 E Elev: 855 m.  
 Azimuth: 045 degrees Dip: -55 degrees Depth: 381 ft., 125.7 m.  
 Date: Dec. 19-22, 1991 Logged By: Andris Kikauka

From 0.0 To 59.5 feet: CASING

From 59.5 To 169.0 feet: BASALT BRECCIA

0.2-2.0 cm. dark green coloured clasts in a light green coloured matrix, trace-0.5% disseminated pyrite and pyrrhotite, fault @ 135.0-137.0, 163.5-164.0, 80% recovery in fault zones, overall recovery 95%

From 169.0 To 246.0 feet: FELSIC VOLCANIC BRECCIA

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony, 0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, 3-5% graphite as 1-2 mm. wide fracture coatings at 45-60 degrees to core axis, increased pyrite along graphite coated fractures, broken ground, fault zone @ 175.0-236.0 with 30% recovery, 10% recovery 184.0-208.0, overall recovery 45%

Sample Record

Assays

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 547      | 169.0 | 175.0 | 6.0   | 59      | 0.5     |
| 548      | 175.0 | 184.0 | 9.0   | 103     | 1.5     |
| 549      | 184.0 | 195.0 | 11.0  | 27      | 0.6     |
| 550      | 195.0 | 208.0 | 13.0  | 250     | 3.1     |
| 551      | 208.0 | 219.0 | 9.0   | 280     | 1.9     |
| 552      | 219.0 | 226.0 | 7.0   | 11      | 0.4     |
| 553      | 226.0 | 236.0 | 10.0  | 102     | 0.3     |
| 554      | 236.0 | 241.0 | 5.0   | 33      | 0.4     |
| 555      | 241.0 | 246.0 | 5.0   | 14      | 0.6     |

From 246.0 To 257.0 feet: VOLCANICLASTIC, VOLCANIC SANDSTONE  
 green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings, 2 cm. wide chalcedony-quartz vein at 30 degrees to core axis @ 251.8 feet

From 257.0 To 274.0 feet: FELSIC VOLCANIC BRECCIA

Bleached white-grey colour, 50-80% alkali feldspar, 10-25% quartz as 0.5-6.0 mm. blebs and veins, minor chalcedony,

0.5-4.0 cm. angular clasts forming crackle breccia and matrix supported breccia, fine grained clay (illite and kaolinite) and sericite in matrix, 1-5% disseminated and fracture filled pyrite, 0.1-3.0% red coloured hematite along fractures, trace-1% graphite as 1-2 mm. wide fracture coatings, overall recovery 85%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 556           | 257.0 | 264.0 | 7.0   | 9       | 0.1     |
| 557           | 264.0 | 269.0 | 5.0   | 53      | 0.2     |
| 558           | 269.0 | 274.0 | 5.0   | 6       | 0.3     |

From 274.0 To 289.0 feet: **QUARTZ CRACKLE BRECCIA**  
 25-80% grey coloured quartz, minor chalcedony clasts and bands to 3.0 cm. width, 3-5% disseminated and fracture filled pyrite, 5-15% clay and sericite along fractures, overall recovery 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 559           | 274.0 | 279.0 | 5.0   | 4       | 0.1     |
| 560           | 279.0 | 284.0 | 5.0   | 13      | 0.1     |
| 561           | 284.0 | 289.0 | 5.0   | 18      | 0.1     |

From 289.0 To 308.5 feet: **GRAPHITIC SHEAR ZONE**  
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins at 70 degrees to core axis, shearing at 40-60 degrees to core axis, overall recovery 95%

| Sample Record |       |       |       | Assays  |         |
|---------------|-------|-------|-------|---------|---------|
| Sample #      | From  | To    | Width | Au(ppb) | Ag(ppm) |
| 562           | 289.0 | 296.5 | 7.5   | 5       | 0.7     |
| 563           | 296.5 | 301.5 | 5.0   | 5       | 0.1     |
| 564           | 301.5 | 308.5 | 7.0   | 63      | 0.2     |

From 308.5 To 326.4 feet: **VOLCANICLASTIC, VOLCANIC SANDSTONE**  
 green, red, and maroon coloured medium grained size clastic sediment, 1 mm. wide yellow-grey coloured clay filled fracture coatings, weak breccia texture @ 322.0 323.0 feet

From 326.4 To 356.0 feet: **GRAPHITIC SHEAR ZONE**  
 10-20% graphite, black colour, crumbled, soft, mushy texture, 3% disseminated pyrite-pyrrhotite, minor 0.5-1.5 cm. wide quartz veins at 45-60 degrees to core axis, shearing

at 40-60 degrees to core axis, fault zone @ 336.0-356.0,  
45% recovery in fault zone, overall recovery 75%

Sample Record

Assays

| Sample # | From  | To    | Width | Au(ppb) | Ag(ppm) |
|----------|-------|-------|-------|---------|---------|
| 565      | 326.4 | 330.5 | 4.1   | 2       | 0.7     |
| 566      | 336.0 | 346.0 | 10.0  | 2       | 0.2     |
| 567      | 346.0 | 356.0 | 10.0  | 4       | 0.2     |

From 356.0 To 381.0 feet: VOLCANICLASTIC, VOLCANIC SANDSTONE  
green, red, and maroon coloured medium grained size clastic  
sediment, 1 mm. wide yellow-grey coloured clay filled  
fracture coatings, 1 cm. wide quartz vein at 40 degrees to  
core axis @ 370.0, fault @ 358.0-362.0 and 371.0-372.0  
feet, 75% recovery in fault zone, overall recovery 90%

EOH 381.0 feet



GEOCHEMICAL ANALYSIS CERTIFICATE



File # 91-5803 Page 1

1006 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: ANDRIS KIKALKA

| SAMPLE#         | Mo  | Cu  | Pb  | Zn  | Ag  | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd   | Sb  | Bi  | V   | Ca   | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | V   | Au* |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
|                 | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm  | %    | ppm | ppm | ppm | ppm | ppm | ppm  | ppm | ppm | ppm | %    | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb |
| 501             | 1   | 37  | 2   | 50  | 1   | 27  | 7   | 259  | 1.70 | 2   | 5   | ND  | 2   | 8   | 2    | 2   | 2   | 33  | .10  | .001 | 4   | 19  | .35  | 21  | .01 | 5   | .33  | .01 | .06 |     | 4   |
| 502             | 1   | 60  | 2   | 62  | 1   | 32  | 10  | 299  | 1.70 | 4   | 5   | ND  | 1   | 10  | 2    | 2   | 2   | 38  | .11  | .002 | 4   | 20  | .39  | 45  | .01 | 3   | .43  | .01 | .08 |     | 3   |
| 503             | 1   | 41  | 2   | 58  | 1   | 38  | 7   | 261  | 1.74 | 3   | 5   | ND  | 1   | 11  | 2    | 2   | 2   | 47  | .13  | .002 | 6   | 24  | .43  | 23  | .01 | 3   | .39  | .01 | .05 |     | 3   |
| 504             | 1   | 37  | 6   | 35  | 1   | 26  | 7   | 279  | 2.14 | 4   | 5   | ND  | 1   | 7   | 2    | 2   | 2   | 29  | .13  | .002 | 3   | 15  | .38  | 25  | .01 | 3   | .33  | .01 | .06 |     | 3   |
| 505             | 1   | 43  | 3   | 54  | 1   | 36  | 10  | 311  | 1.72 | 3   | 5   | ND  | 1   | 8   | 2    | 2   | 2   | 33  | .10  | .002 | 5   | 22  | .32  | 60  | .02 | 7   | .66  | .01 | .03 |     | 8   |
| 506             | 1   | 39  | 6   | 60  | 1   | 33  | 11  | 318  | 2.49 | 4   | 5   | ND  | 1   | 23  | 2    | 2   | 2   | 38  | .17  | .003 | 2   | 17  | .49  | 47  | .01 | 3   | .46  | .01 | .02 |     | 2   |
| 507             | 1   | 36  | 5   | 56  | 1   | 35  | 9   | 255  | 1.74 | 5   | 5   | ND  | 1   | 12  | 2    | 2   | 2   | 28  | .16  | .002 | 3   | 22  | .39  | 41  | .01 | 3   | .38  | .01 | .04 |     | 3   |
| 508             | 1   | 22  | 2   | 96  | 1   | 36  | 7   | 498  | 2.09 | 3   | 5   | ND  | 1   | 14  | 2    | 2   | 2   | 18  | .19  | .002 | 2   | 10  | .39  | 48  | .01 | 2   | .36  | .01 | .03 |     | 3   |
| 509             | 4   | 129 | 14  | 140 | 3   | 106 | 20  | 636  | 5.31 | 9   | 5   | ND  | 1   | 21  | 2    | 2   | 3   | 20  | .22  | .019 | 2   | 16  | .33  | 18  | .01 | 2   | .39  | .01 | .02 |     | 5   |
| 510             | 1   | 48  | 5   | 175 | 2   | 50  | 8   | 547  | 2.67 | 5   | 5   | ND  | 1   | 15  | 2    | 2   | 2   | 19  | .16  | .008 | 2   | 18  | .30  | 29  | .01 | 3   | .27  | .01 | .01 |     | 3   |
| 511             | 4   | 157 | 11  | 84  | 1   | 123 | 22  | 711  | 6.81 | 19  | 5   | ND  | 1   | 29  | 2    | 2   | 2   | 22  | .25  | .021 | 3   | 20  | .41  | 14  | .01 | 3   | .30  | .01 | .02 |     | 4   |
| 512             | 1   | 118 | 6   | 124 | 1   | 96  | 16  | 610  | 4.76 | 28  | 5   | ND  | 1   | 30  | 2    | 2   | 2   | 26  | .19  | .022 | 4   | 12  | .33  | 23  | .01 | 2   | .34  | .01 | .04 |     | 1   |
| 513             | 3   | 79  | 2   | 169 | 1   | 72  | 14  | 548  | 3.31 | 95  | 5   | ND  | 1   | 38  | 3    | 2   | 2   | 23  | .23  | .050 | 7   | 15  | .32  | 43  | .01 | 6   | .32  | .01 | .04 |     | 5   |
| 514             | 1   | 68  | 12  | 213 | 1   | 66  | 20  | 508  | 2.52 | 268 | 5   | ND  | 1   | 55  | 4    | 2   | 2   | 24  | .27  | .065 | 6   | 8   | .31  | 53  | .01 | 2   | .28  | .01 | .06 |     | 2   |
| 515             | 2   | 67  | 4   | 45  | 1   | 34  | 6   | 380  | 1.19 | 30  | 5   | ND  | 1   | 24  | 2    | 2   | 2   | 6   | .08  | .022 | 5   | 9   | .11  | 95  | .01 | 2   | .20  | .01 | .04 |     | 7   |
| 516             | 1   | 47  | 7   | 50  | 2   | 38  | 10  | 443  | 1.47 | 24  | 5   | ND  | 1   | 19  | 2    | 2   | 2   | 9   | .11  | .020 | 5   | 5   | .22  | 74  | .01 | 6   | .19  | .01 | .04 |     | 5   |
| 517             | 2   | 112 | 10  | 40  | 1   | 64  | 18  | 418  | 1.68 | 12  | 5   | ND  | 1   | 21  | 2    | 2   | 2   | 11  | .09  | .011 | 5   | 12  | .23  | 97  | .01 | 2   | .26  | .01 | .05 |     | 3   |
| RE 513          | 3   | 75  | 3   | 159 | 1   | 70  | 13  | 513  | 3.13 | 93  | 5   | ND  | 1   | 36  | 3    | 2   | 2   | 22  | .22  | .048 | 6   | 14  | .31  | 54  | .01 | 3   | .30  | .01 | .04 |     | 4   |
| 518             | 1   | 67  | 13  | 74  | 3   | 37  | 12  | 260  | 1.34 | 10  | 5   | ND  | 2   | 16  | 6    | 2   | 2   | 10  | .08  | .012 | 5   | 5   | .18  | 66  | .01 | 7   | .24  | .01 | .04 |     | 4   |
| 519             | 3   | 86  | 12  | 73  | 3   | 69  | 16  | 236  | 1.90 | 10  | 5   | ND  | 3   | 15  | 9    | 2   | 2   | 62  | .12  | .023 | 11  | 26  | .25  | 81  | .01 | 3   | .79  | .01 | .12 |     | 6   |
| 520             | 6   | 73  | 16  | 114 | 4   | 58  | 14  | 758  | 4.91 | 7   | 5   | ND  | 3   | 32  | 2    | 2   | 2   | 100 | .25  | .030 | 11  | 29  | .58  | 53  | .01 | 6   | .78  | .01 | .14 |     | 1   |
| 521             | 9   | 166 | 14  | 106 | 9   | 76  | 19  | 621  | 5.81 | 14  | 5   | ND  | 3   | 48  | 4    | 2   | 2   | 63  | .24  | .037 | 10  | 24  | .52  | 14  | .01 | 7   | .62  | .01 | .18 |     | 10  |
| 522             | 3   | 32  | 15  | 186 | 1   | 65  | 22  | 564  | 3.21 | 51  | 5   | ND  | 5   | 45  | 2    | 2   | 2   | 74  | .24  | .042 | 18  | 23  | .58  | 195 | .01 | 4   | .78  | .01 | .12 |     | 119 |
| 523             | 6   | 66  | 18  | 150 | 4   | 79  | 21  | 701  | 4.90 | 15  | 5   | ND  | 5   | 28  | 2    | 2   | 2   | 86  | .23  | .020 | 17  | 29  | .67  | 88  | .01 | 6   | .64  | .01 | .15 |     | 3   |
| 524             | 10  | 81  | 10  | 176 | 3   | 103 | 35  | 657  | 4.68 | 90  | 5   | ND  | 4   | 29  | 2    | 2   | 2   | 105 | .21  | .018 | 13  | 37  | .67  | 126 | .01 | 5   | .74  | .01 | .12 |     | 1   |
| 525             | 5   | 46  | 17  | 97  | 1   | 334 | 68  | 1057 | 7.28 | 3   | 5   | ND  | 1   | 65  | 2    | 2   | 2   | 55  | 5.53 | .031 | 5   | 430 | 2.82 | 229 | .06 | 10  | 1.22 | .03 | .55 |     | 8   |
| 526             | 18  | 193 | 11  | 68  | 8   | 104 | 35  | 606  | 3.85 | 4   | 5   | ND  | 4   | 20  | 2    | 3   | 4   | 101 | .17  | .009 | 11  | 34  | .52  | 92  | .01 | 8   | .75  | .01 | .11 |     | 25  |
| 527             | 6   | 68  | 5   | 168 | 1   | 52  | 16  | 789  | 3.99 | 2   | 5   | ND  | 3   | 27  | 2    | 2   | 2   | 94  | .20  | .008 | 10  | 32  | .60  | 165 | .01 | 8   | .54  | .01 | .12 |     | 2   |
| 528             | 11  | 163 | 4   | 85  | 7   | 90  | 27  | 444  | 4.35 | 6   | 5   | ND  | 1   | 18  | 3    | 5   | 3   | 105 | .14  | .004 | 4   | 37  | .35  | 25  | .01 | 10  | .70  | .01 | .11 |     | 2   |
| 529             | 7   | 78  | 7   | 124 | 2   | 197 | 26  | 521  | 3.50 | 60  | 5   | ND  | 3   | 27  | 2    | 4   | 2   | 67  | .24  | .041 | 9   | 89  | .47  | 65  | .01 | 8   | .64  | .01 | .11 |     | 3   |
| 530             | 14  | 127 | 17  | 79  | 5   | 71  | 20  | 728  | 8.16 | 2   | 5   | ND  | 2   | 40  | 2    | 2   | 2   | 93  | .26  | .014 | 7   | 30  | .85  | 11  | .01 | 7   | .47  | .02 | .13 |     | 4   |
| 531             | 24  | 240 | 15  | 170 | 1.4 | 157 | 36  | 530  | 7.60 | 6   | 5   | ND  | 2   | 20  | 4    | 2   | 2   | 114 | .22  | .009 | 6   | 33  | .68  | 22  | .01 | 9   | .74  | .02 | .16 |     | 1   |
| 532             | 13  | 143 | 18  | 169 | 3   | 94  | 24  | 709  | 6.96 | 5   | 5   | ND  | 3   | 26  | 2    | 2   | 2   | 112 | .26  | .011 | 11  | 31  | .85  | 40  | .01 | 6   | .64  | .02 | .15 |     | 1   |
| 533             | 9   | 60  | 11  | 92  | 1.2 | 51  | 11  | 1433 | 4.82 | 9   | 5   | ND  | 2   | 40  | 2    | 2   | 2   | 60  | 1.57 | .041 | 7   | 24  | 1.11 | 65  | .01 | 8   | .39  | .01 | .11 |     | 92  |
| 534             | 6   | 67  | 9   | 254 | 1.2 | 28  | 8   | 488  | 1.45 | 12  | 5   | ND  | 1   | 14  | 2.3  | 2   | 2   | 40  | .62  | .016 | 4   | 11  | .43  | 56  | .01 | 7   | .16  | .01 | .04 |     | 68  |
| 535             | 27  | 79  | 15  | 235 | 9   | 39  | 5   | 284  | .94  | 20  | 5   | ND  | 1   | 23  | 1.9  | 2   | 3   | 43  | .97  | .030 | 4   | 16  | .53  | 73  | .01 | 2   | .09  | .01 | .05 |     | 30  |
| 536             | 25  | 68  | 14  | 153 | 1.2 | 25  | 7   | 361  | 1.27 | 22  | 5   | ND  | 2   | 26  | 9    | 2   | 2   | 28  | .92  | .050 | 6   | 8   | .48  | 42  | .01 | 6   | .13  | .01 | .07 |     | 80  |
| STANDARD C/AU-R | 20  | 62  | 38  | 124 | 7.0 | 69  | 33  | 1027 | 3.95 | 60  | 15  | 8   | 35  | 51  | 18.7 | 15  | 20  | 57  | .47  | .083 | 35  | 57  | .86  | 173 | .09 | 34  | 1.87 | .06 | .14 | 11  | 510 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 NL WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. ANALYSIS RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: CORE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: DEC 23 1991

DATE REPORT MAILED: Jan 3/92

SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



| SAMPLE#         | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppm | Ni<br>ppm | Co<br>ppm | Mn<br>ppm | Fe<br>% | As<br>ppm | U<br>ppm | Au<br>ppm | Th<br>ppm | Sr<br>ppm | Co<br>ppm | Sb<br>ppm | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | N<br>ppm | Au*<br>ppb |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------|
| 537             | 6         | 45        | 8         | 115       | .4        | 19        | 6         | 240       | .71     | 14        | 5        | ND        | 2         | 20        | .2        | 2         | 2         | 12       | .62     | .031   | 8         | 37        | .34     | 49        | .01     | 5        | .12     | .01     | .09    | 1        | 20         |
| 538             | 4         | 43        | 5         | 240       | .5        | 22        | 5         | 311       | .91     | 12        | 5        | ND        | 2         | 20        | .5        | 2         | 2         | 15       | .30     | .039   | 7         | 14        | .20     | 62        | .01     | 5        | .16     | .02     | .09    | 1        | 16         |
| 539             | 2         | 33        | 2         | 125       | .4        | 24        | 5         | 1094      | 1.74    | 18        | 5        | ND        | 1         | 35        | .7        | 2         | 2         | 21       | 2.37    | .068   | 5         | 43        | 1.10    | 40        | .01     | 2        | .14     | .01     | .05    | 1        | 15         |
| 540             | 21        | 64        | 5         | 195       | 1.0       | 44        | 9         | 558       | 1.98    | 20        | 5        | ND        | 1         | 30        | 1.0       | 2         | 2         | 31       | 1.86    | .032   | 5         | 17        | .96     | 37        | .01     | 2        | .17     | .01     | .07    | 1        | 55         |
| 541             | 93        | 181       | 18        | 382       | 2.2       | 38        | 5         | 211       | 1.27    | 14        | 5        | ND        | 1         | 33        | 3.4       | 2         | 2         | 50       | .71     | .066   | 6         | 14        | .37     | 81        | .01     | 2        | .21     | .01     | .08    | 1        | 119        |
| 542             | 117       | 56        | 32        | 240       | 2.7       | 35        | 5         | 363       | 1.41    | 22        | 5        | ND        | 1         | 25        | 1.7       | 3         | 2         | 31       | .31     | .028   | 3         | 41        | .25     | 65        | .01     | 3        | .12     | .01     | .03    | 1        | 230        |
| 543             | 42        | 72        | 15        | 121       | 1.6       | 46        | 11        | 866       | 3.55    | 27        | 5        | ND        | 1         | 25        | .3        | 2         | 2         | 48       | .79     | .033   | 3         | 19        | .68     | 36        | .01     | 2        | .21     | .01     | .04    | 1        | 220        |
| 544             | 7         | 35        | 6         | 117       | .4        | 24        | 7         | 549       | 1.55    | 16        | 5        | ND        | 1         | 34        | .8        | 2         | 2         | 23       | 2.88    | .025   | 2         | 12        | 1.41    | 18        | .01     | 2        | .09     | .01     | .04    | 1        | 24         |
| 545             | 16        | 42        | 4         | 170       | .6        | 27        | 6         | 793       | 1.98    | 17        | 5        | ND        | 1         | 65        | 1.4       | 2         | 2         | 14       | 5.16    | .044   | 6         | 40        | 2.27    | 16        | .01     | 3        | .06     | .01     | .03    | 1        | 40         |
| 546             | 16        | 99        | 9         | 331       | 3.6       | 23        | 6         | 730       | 1.73    | 18        | 5        | ND        | 1         | 53        | 2.5       | 2         | 2         | 18       | 4.45    | .038   | 4         | 16        | 1.94    | 16        | .01     | 5        | .06     | .01     | .02    | 1        | 152        |
| 547             | 2         | 60        | 5         | 58        | .5        | 32        | 3         | 246       | 1.23    | 4         | 5        | ND        | 2         | 20        | .2        | 2         | 2         | 58       | .69     | .013   | 9         | 20        | .47     | 23        | .01     | 3        | .19     | .01     | .15    | 1        | 59         |
| 548             | 4         | 59        | 48        | 125       | 1.5       | 35        | 3         | 297       | 1.50    | 5         | 5        | ND        | 1         | 9         | .5        | 2         | 2         | 46       | .32     | .009   | 5         | 50        | .37     | 20        | .01     | 6        | .13     | .01     | .10    | 1        | 103        |
| 549             | 1         | 61        | 2         | 125       | .6        | 54        | 5         | 292       | 2.30    | 7         | 5        | ND        | 2         | 10        | 1.2       | 6         | 2         | 56       | .25     | .006   | 5         | 23        | .46     | 20        | .01     | 6        | .21     | .01     | .12    | 1        | 27         |
| RE 554          | 5         | 39        | 4         | 97        | .5        | 41        | 2         | 102       | .73     | 4         | 5        | ND        | 2         | 8         | .2        | 2         | 2         | 34       | .06     | .010   | 8         | 42        | .11     | 30        | .01     | 6        | .20     | .01     | .16    | 1        | 26         |
| 550             | 26        | 33        | 2         | 70        | 3.1       | 27        | 2         | 220       | 1.20    | 5         | 5        | ND        | 1         | 7         | .2        | 2         | 2         | 42       | .17     | .008   | 5         | 12        | .21     | 16        | .01     | 2        | .11     | .01     | .09    | 1        | 250        |
| 551             | 16        | 30        | 7         | 38        | 1.9       | 32        | 2         | 166       | 1.34    | 5         | 5        | ND        | 1         | 9         | .2        | 2         | 2         | 38       | .33     | .010   | 6         | 44        | .28     | 13        | .01     | 3        | .11     | .01     | .09    | 1        | 280        |
| 552             | 3         | 40        | 7         | 102       | .4        | 47        | 4         | 145       | 1.15    | 3         | 5        | ND        | 3         | 7         | .2        | 3         | 2         | 44       | .09     | .008   | 9         | 21        | .19     | 19        | .01     | 5        | .21     | .01     | .14    | 1        | 11         |
| 553             | 2         | 44        | 2         | 120       | .3        | 28        | 2         | 154       | 1.21    | 5         | 5        | ND        | 2         | 8         | .2        | 2         | 2         | 41       | .11     | .013   | 9         | 18        | .22     | 25        | .01     | 3        | .18     | .01     | .13    | 1        | 102        |
| 554             | 6         | 32        | 4         | 88        | .4        | 35        | 2         | 91        | .64     | 3         | 5        | ND        | 2         | 7         | .2        | 2         | 2         | 32       | .05     | .010   | 7         | 40        | .09     | 27        | .01     | 8        | .18     | .01     | .12    | 1        | 33         |
| 555             | 5         | 31        | 4         | 81        | .6        | 48        | 4         | 140       | .99     | 4         | 5        | ND        | 3         | 7         | .2        | 2         | 2         | 36       | .06     | .011   | 9         | 20        | .15     | 54        | .01     | 5        | .23     | .01     | .15    | 1        | 14         |
| 556             | 1         | 60        | 2         | 466       | .1        | 80        | 24        | 421       | 3.00    | 4         | 5        | ND        | 2         | 16        | 6.2       | 2         | 2         | 25       | .10     | .005   | 7         | 16        | .46     | 144       | .01     | 5        | .42     | .01     | .11    | 1        | 9          |
| 557             | 6         | 124       | 11        | 169       | .2        | 71        | 18        | 471       | 4.47    | 8         | 5        | ND        | 1         | 15        | 3.9       | 2         | 2         | 23       | .16     | .003   | 2         | 42        | .49     | 32        | .01     | 5        | .22     | .01     | .07    | 1        | 53         |
| 558             | 2         | 131       | 4         | 60        | .3        | 66        | 13        | 226       | 2.64    | 18        | 5        | ND        | 1         | 8         | .5        | 2         | 2         | 22       | .07     | .003   | 2         | 16        | .22     | 19        | .01     | 4        | .15     | .01     | .03    | 1        | 6          |
| 559             | 1         | 85        | 4         | 52        | .1        | 50        | 9         | 393       | 3.32    | 22        | 5        | ND        | 1         | 7         | .3        | 2         | 2         | 23       | .11     | .002   | 2         | 15        | .39     | 18        | .01     | 5        | .16     | .01     | .04    | 1        | 4          |
| 560             | 4         | 96        | 4         | 118       | .1        | 52        | 16        | 285       | 1.90    | 43        | 5        | ND        | 1         | 7         | .7        | 2         | 2         | 20       | .07     | .002   | 2         | 47        | .26     | 17        | .01     | 3        | .16     | .01     | .04    | 2        | 13         |
| 561             | 1         | 67        | 3         | 145       | .1        | 91        | 18        | 392       | 2.47    | 29        | 5        | ND        | 1         | 7         | .3        | 2         | 2         | 21       | .11     | .005   | 2         | 16        | .34     | 18        | .01     | 5        | .20     | .01     | .04    | 1        | 18         |
| 562             | 4         | 65        | 2         | 246       | .7        | 58        | 12        | 335       | 3.21    | 37        | 5        | ND        | 2         | 16        | 1.7       | 2         | 2         | 38       | .16     | .009   | 5         | 18        | .44     | 47        | .01     | 9        | .24     | .01     | .08    | 1        | 5          |
| 563             | 5         | 95        | 8         | 113       | .1        | 66        | 19        | 416       | 4.18    | 29        | 5        | ND        | 4         | 17        | .2        | 2         | 2         | 46       | .15     | .019   | 12        | 44        | .42     | 42        | .01     | 6        | .67     | .02     | .10    | 1        | 5          |
| 564             | 3         | 73        | 7         | 124       | .2        | 70        | 21        | 223       | 3.13    | 19        | 5        | ND        | 3         | 20        | .7        | 2         | 2         | 40       | .10     | .011   | 10        | 24        | .35     | 41        | .01     | 5        | .64     | .02     | .16    | 1        | 63         |
| 565             | 12        | 136       | 23        | 191       | .7        | 118       | 40        | 670       | 7.64    | 26        | 5        | ND        | 2         | 19        | .2        | 2         | 2         | 70       | .22     | .010   | 6         | 29        | .65     | 31        | .01     | 8        | .61     | .02     | .14    | 1        | 2          |
| 566             | 4         | 87        | 21        | 149       | .2        | 78        | 24        | 717       | 5.00    | 16        | 5        | ND        | 4         | 34        | .2        | 2         | 2         | 56       | .27     | .018   | 12        | 46        | .84     | 73        | .01     | 10       | .66     | .02     | .16    | 1        | 2          |
| 567             | 1         | 38        | 3         | 47        | .2        | 45        | 8         | 294       | 1.80    | 8         | 5        | ND        | 3         | 28        | .2        | 2         | 2         | 17       | .14     | .008   | 10        | 15        | .42     | 89        | .01     | 7        | .26     | .01     | .10    | 1        | 4          |
| STANDARD C/AU-R | 20        | 64        | 44        | 127       | 7.2       | 72        | 31        | 1091      | 3.95    | 43        | 16       | 8         | 36        | 53        | 18.5      | 16        | 20        | 60       | .50     | .087   | 37        | 55        | .88     | 176       | .09     | 36       | 1.89    | .05     | .14    | 13       | 520        |

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER  
 TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,000 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -1   |               | 50             |
| 14,925 N | 0    | -7            | 50             |
| 14,950 N | 4    | 0             | 52             |
| 14,975 N | 2    | 4             | 54             |
| 15,000 N | 2    | 5             | 56             |
| 15,025 N | 0    | 6             | 54             |
| 15,050 N | -1   | 5             | 54             |
| 15,075 N | -3   | 0             | 56             |
| 15,100 N | -3   | -6            | 51             |
| 15,125 N | -1   | -11           | 48             |
| 15,150 N | 1    | -15           | 46             |
| 15,175 N | 6    | -10           | 49             |
| 15,200 N | 9    | 1             | 56             |
| 15,225 N | 8    | 5             | 60             |
| 15,250 N | 6    | 5             | 62             |
| 15,275 N | 6    | 6             | 64             |
| 15,300 N | 3    | 4             | 66             |
| 15,325 N | 3    | 5             | 68             |
| 15,350 N | 2    | 8             | 66             |
| 15,375 N | -1   | 7             | 61             |
| 15,400 N | -2   | 5             | 60             |
| 15,425 N | -4   | 4             | 59             |
| 15,450 N | -4   | 4             | 57             |
| 15,475 N | -6   |               | 57             |
| 15,500 N | -6   |               | 58             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER  
 TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,100 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -3   |               | 49             |
| 14,925 N | -1   | -6            | 47             |
| 14,950 N | 0    | -5            | 49             |
| 14,975 N | 2    | -4            | 51             |
| 15,000 N | 2    | -2            | 53             |
| 15,025 N | 4    | 4             | 54             |
| 15,050 N | 2    | 7             | 57             |
| 15,075 N | 0    | 6             | 53             |
| 15,100 N | -1   | 2             | 52             |
| 15,125 N | -3   | -1            | 52             |
| 15,150 N | 0    | -3            | 49             |
| 15,175 N | 3    | -8            | 48             |
| 15,200 N | 3    | -9            | 50             |
| 15,225 N | 8    | 1             | 54             |
| 15,250 N | 7    | 9             | 60             |
| 15,275 N | 3    | 5             | 66             |
| 15,300 N | 3    | 4             | 64             |
| 15,325 N | 2    | 6             | 63             |
| 15,350 N | 0    | 6             | 61             |
| 15,375 N | -1   | 6             | 60             |
| 15,400 N | -3   | 6             | 58             |
| 15,425 N | -4   | 4             | 57             |
| 15,450 N | -6   | 2             | 58             |
| 15,475 N | -5   |               | 59             |
| 15,500 N | -7   |               | 60             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER  
 TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,200 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -1   |               | 52             |
| 14,925 N | 0    | -2            | 53             |
| 14,950 N | 0    | -2            | 53             |
| 14,975 N | 1    | 0             | 55             |
| 15,000 N | 1    | 3             | 54             |
| 15,025 N | 0    | 4             | 56             |
| 15,050 N | -1   | 3             | 51             |
| 15,075 N | -2   | 3             | 49             |
| 15,100 N | -2   | 0             | 47             |
| 15,125 N | -4   | -9            | 46             |
| 15,150 N | 0    | -14           | 49             |
| 15,175 N | 3    | -7            | 51             |
| 15,200 N | 7    | 3             | 54             |
| 15,225 N | 4    | 5             | 56             |
| 15,250 N | 3    | 5             | 59             |
| 15,275 N | 3    | 7             | 60             |
| 15,300 N | -1   | 5             | 62             |
| 15,325 N | 0    | 5             | 66             |
| 15,350 N | -3   | 4             | 61             |
| 15,375 N | -3   | 3             | 59             |
| 15,400 N | -4   | 3             | 57             |
| 15,425 N | -5   | 0             | 57             |
| 15,450 N | -5   | -3            | 58             |
| 15,475 N | -4   |               | 57             |
| 15,500 N | -3   |               | 59             |

VLF-EM SURVEY DATA: LUKESHANE PROPERTY, DEC., 1991

INSTRUMENT: SABRE MODEL 27 VLF-EM RECEIVER

TRANSMITTER: Seattle, Wash., 18.6 KHz

L 16,300 E

| Station  | Null | Fraser Filter | Field Strength |
|----------|------|---------------|----------------|
| 14,900 N | -2   |               | 52             |
| 14,925 N | -1   | -5            | 54             |
| 14,950 N | 0    | -4            | 51             |
| 14,975 N | 2    | 1             | 53             |
| 15,000 N | 1    | 5             | 54             |
| 15,025 N | 0    | 7             | 56             |
| 15,050 N | -2   | 5             | 55             |
| 15,075 N | -4   | -2            | 53             |
| 15,100 N | -3   | -4            | 52             |
| 15,125 N | -1   | -6            | 49             |
| 15,150 N | 4    | -12           | 51             |
| 15,175 N | 6    | -5            | 54             |
| 15,200 N | 9    | 6             | 58             |
| 15,225 N | 6    | 10            | 61             |
| 15,250 N | 3    | 7             | 62             |
| 15,275 N | 2    | 7             | 64             |
| 15,300 N | 0    | 7             | 62             |
| 15,325 N | -2   | 4             | 60             |
| 15,350 N | -3   | 3             | 59             |
| 15,375 N | -3   | 5             | 57             |
| 15,400 N | -5   | 4             | 55             |
| 15,425 N | -6   | 2             | 56             |
| 15,450 N | -6   | -1            | 56             |
| 15,475 N | -7   |               | 57             |
| 15,500 N | -6   |               | 59             |

## ITEMIZED COST STATEMENT- LUKESHANE PROPERTY

FOR: CANADIAN COMSTOCK EXPLORATION LTD.

BY: SAMISH RESOURCES INC., DEC. 1991

|                                                |            |
|------------------------------------------------|------------|
| Mobilization, demobilization                   | \$ 5,500   |
| Geologist                                      | 11,000     |
| Geophysical survey                             | 4,750      |
| Linecutting                                    | 1,800      |
| Diamond drilling, moving, roadbuilding         | 71,500     |
| Assays                                         | 2,550      |
| Accommodation, meals, supplies, transportation | 13,500     |
| Report                                         | 4,400      |
|                                                | <hr/>      |
| Total                                          | \$ 115,000 |