Mineral Exploration

D.H. Wood
Geological
Consulting

GEOLOGICAL, GEOCHEMICAL &

GEOPHYSICAL REPORT

ON THE

COTTER CREEK PROPERTY

Alberni Mining Division
British Columbia
NTS 92F/5W
Latitude 49° 23.5'N
Longitude 125° ~~45~~ 50 'W

FOR

Stoney Creek Mines Ltd.
2460 - 555 West Hastings Street
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DATE:

June 20, 1988

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1.0 SUMMARY AND CONCLUSIONS

A mineral exploration program conducted over portions of the Cotter Creek claims during February 1988 has outlined at least three areas of potential economic interest (targets A, B and C on figure 3).

The property lies within a belt of known and suspected Tertiary aged gold bearing mineral deposits which extends from the Zeballos area of northern Vancouver Island to the Nanaimo area on the southeast coast of the island.

Gold mineralization on the claims occurs within north trending quartz veins associated with regional scale east-west trending high-angle faulting. Mineralization and controlling structures can be traced by gold and zinc soil geochemistry, by areas of low magnetic field strength and by VLF-EM conductors. Soil geochemistry also indicates that additional sources of mineralization are located to the north of the grid area.

Assay results from a quartz vein and silicified and sericitized volcanic host at the Creek Showing range from 0.003 oz/t to 0.612 oz/t gold over narrow widths. Trenching has uncovered this showing for 6.7 m. The average grade for the showing is 0.075 oz/t over an average width of 56 cm that includes the vein and altered host volcanics.

Historical records for the Cotter Creek area indicate that gold mineralization at the ABCO mine, located immediately west of the Stoney Creek property, occurs as free milling native gold within north trending quartz veins and also within adjacent intermediate and felsic volcanic host rocks. A visit to the lower most workings at the ABCO mine in February, 1988 confirmed the presence of gold within north trending structures, similar in appearance and grade to the vein at the Creek Showing area discussed in this report.

The remote and mountainous nature of the Cotter Creek area presents certain difficulties with respect to logistics and exploration related costs. In order to alleviate some of these difficulties, and in consideration of the possibility of parallel mineralized structures, a working agreement between Stoney Creek Mines Ltd. and Gold Parl Resources, which controls the ABCO mine workings and claims adjoining the Cotter Creek property to the east, has been proposed (figure 1).

The writer has recently been informed that an agreement has been reached between Stoney Creek Mines Ltd. and Gold Parl Resources Ltd. which allows either company the option, by way of certain expenditures, to acquire 50% ownership of the others' property.

A second phase exploration program consisting of prospecting and additional geochemical and geophysical surveys followed by trenching and diamond drilling is recommended to better understand the nature and extent of gold mineralization discovered to date and to expand exploration coverage over a greater portion of the property area.

The estimated cost of the proposed exploration program would be in the order of $61,000.

Respectfully submitted,

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist

2.0 RECOMMENDATIONS

In order to better understand the nature and extent of gold mineralization on the Cotter Creek claims, the following exploration program is recommended:

1) The remainder of the property outside of the grid area covered by this report be prospected by stream sediment and rock sampling with areas of interest followed up by detailed geological, geochemical and geophysical surveys. An additional 10 km of grid coverage would be adequate.

2) Favourable targets discovered to date and any targets subsequently found during the execution of recommendation #1 above should be trenched to obtain fresh samples and to observe structural and mineralogical conditions.

3) Before diamond drilling can be accomplished, existing roads need upgrading and drill access roads and drill pads will be required.

4) A diamond drilling program consisting of some 200 meters is needed to examine the two targets outlined by this study and a further 200 meters are recommended to be set aside for any targets discovered during Phase II work.

Upon completion of this second phase of exploration, if results warrant, a third phase consisting of further surface and drilling work is recommended. A separate budget would be submitted for any third phase program.

Respectfully submitted,

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist

2.1 Phase II - Budget and Costs

The estimated cost of the Phase II program recommended for the Cotter Creek claims is as follows:

Prospecting	
Stream sediment and rock sampling	$2,000
Extended Surveys	
10 km of new grid coverage (incl. surveys) @ $400/km	4,000
Trenching and Access Road Construction	
Bulldozer, rock drilling and powder	
Diamond Drilling	
Mob and Demob	2,000
400 meters of drilling @ $60/meter	24,000
Transportation	
Truck rental 20 days @ $60/day	1,200
Gas and repairs	500
B.C. Ferries	150
Barge to and from Tofino, B.C. - approximate	1,300
Helicopter support - approximate	1,700
Food and Accommodation	
For field crew	3,000
Supplies	
Sampling, surveying and drafting supplies	500
Sample shipments	500
Assaying	
300 soil and silt samples @ $12/sample	3,600
100 rock and core samples @ $15/sample	1,500
Supervision	
17 days @ $300/day	5,100
Report Preparation	
Incl. drafting, printing, xeroxing and word processing	4,500
Contingencies	
Approximately 10%	5,450
TOTAL COSTS FOR PHASE II	**$ 61,000**

3.0 INTRODUCTION

Pursuant to a request from the directors of Stoney Creek Mines Ltd. (formerly Palo Duro Explorations Ltd.) and Laroth Engineering Ltd., the following report has been prepared to detail the results of a mineral exploration program conducted over portions of the Cotter Creek claims between February 1 and March 11, 1988. The purpose of this report is to present the results of geochemical, geophysical and geological surveys conducted and to relate these results to precious metals mineralization known to occur on, and adjacent to, the claims.

3.1 Location and Access (Figure 1)

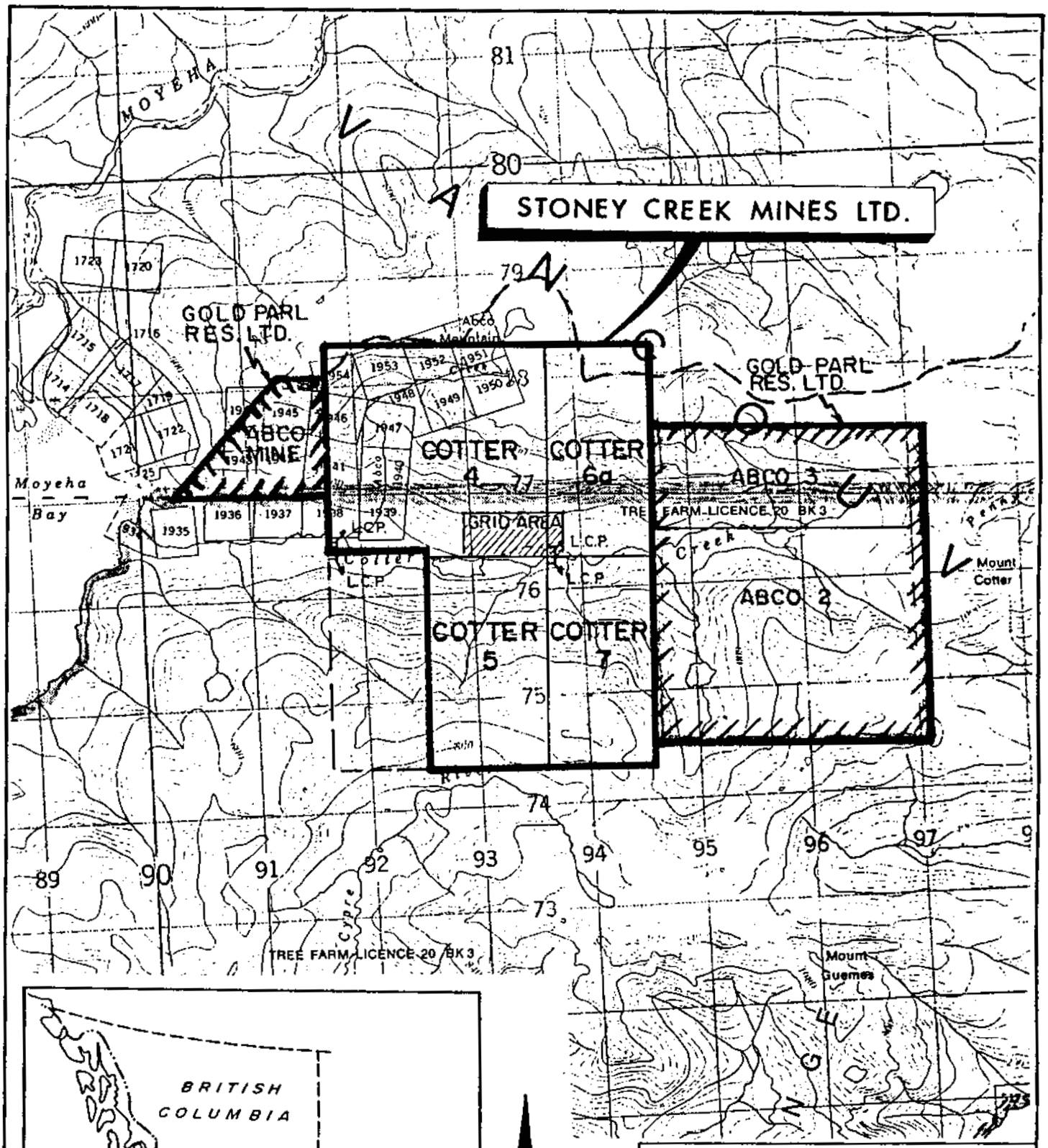
The Cotter Creek claims are located 25 km north of Tofino, B.C., 1 km east of the head of Herbert Inlet, a protected fjord on the west coast of Vancouver Island. The claims are immediately south of the southwest corner of Strathcona Provincial Park (figure 1).

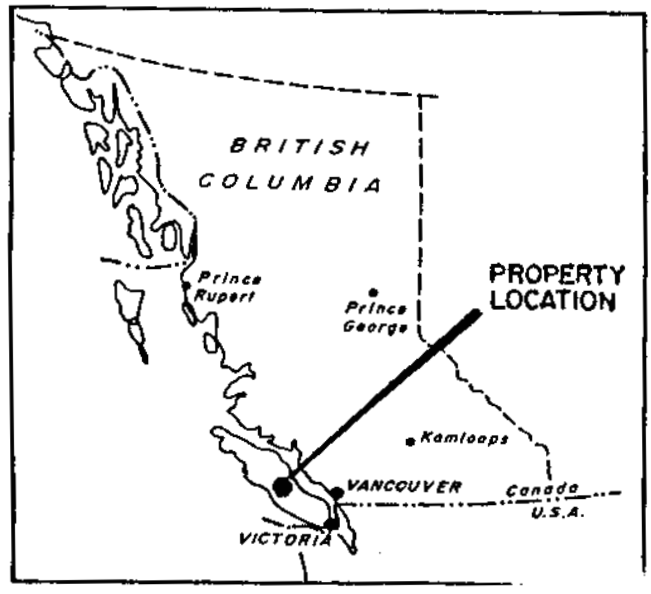
The property is accessible by boat and float plane from Tofino to the mouth of Cotter Creek. A 4 km rough four-wheel drive road provides access within the claims area.

Tofino can be reached from Vancouver, B.C. via ferry from Horseshoe Bay to Nanaimo and then proceeding north on the Island Highway (route #19) to Parksville and then west along the Pacific Rim Highway (route #4). Approximate travelling time to Tofino from Vancouver, including the ferry ride, is 4 hours.

3.2 Topography and Climate

The property is located in an area of steep relief with elevation ranging from 50 to 1,600 meters above sea-level.





STONEY CREEK MINES LTD.

COTTER CREEK PROPERTY

PROPERTY LOCATION MAP

N.T.S. 92F-5W

ALBERNI M.D., B.C.

0 1 2 3 KM

SCALE 1:50,000	DATE : MARCH 1988
DRAWN BY : D.W.	FIGURE Nº 1

Slopes are generally between 30° and 60°. Cliffs are common where the slope angle exceeds 40°.

The climate of the area is relatively mild with abundant rainfall. The snow-line during the February work program varied between 100 m to 1,000 m above sea-level. Higher elevation on the property, especially the ridge tops, retain snow cover until July in most years.

Vegetation on the property consists primarily of cedar, hemlock and fir trees. The valley floor and the lower valley sides were logged in the early 1960's and the second growth there is often extremely dense and difficult to traverse.

3.3 Property Description

The Cotter Creek claims consist of four metric mineral claims totalling 48 units, of which approximately 8 units overlap pre-existing claims. The property is within the Alberni Mining Division and is plotted on NTS map-sheet 92F/5W. The approximate center of the property is at 49° 13.5' North Latitude and 125° 46' West Longitude.

Details of the claims are as follows:

Claim	Record #	Units	Record Date
Cotter 4	3350	16	21 September 1987
Cotter 5	3351	16	21 September 1987
Cotter 6a	3405	8	14 December 1987
Cotter 7	3406	8	14 December 1987

The claims are registered to Mr. S. Craig of Tofino, B.C. and are currently held under option by Stoney Creek Mines Ltd. of Vancouver, B.C.

3.4 Mining History

The first references to mining activity in the property area can be found in the 1933 Annual Report of the B.C. Minister of Mines, which describes the Mary McQuilton claims, located approximately 1 km west of the Cotter Creek claims at an elevation of 730 m. Development and mining activity on these claims which were subsequently renamed the ABCO mine until 1938 and resulted in shipments totalling 86 tons of sorted ore material. Recovery from these shipments is reported to be 232 oz of gold, 103 oz of silver and 584 lbs of copper. Shipped ore grades were 2.70 oz/t gold, 1.20 oz/t silver and 0.34% copper.

The outbreak of World War II and relatively low prices for precious metals contributed to a hiatus in mining activity in this area and many other mining camps in Canada and other countries. Berton Gold Mines of Vancouver, B.C. resumed development work between 1958 and 1963. There are no production records for this work, although some 275 m (900 ft) of exploration drifting is in evidence in a steep gully located less than 1 km west of the Cotter Creek claims at an elevation of 300 m (1,000 ft) and an aerial tram line still exists which provided access to the upper levels of the mine.

A visit to the 300 m elevation workings was made by this writer in the company of Mr. Lawrence Othmer, director of Gold Parl Resources Ltd., which currently controls the ABCO mine property. Four chip samples were collected from a narrow quartz vein and adjacent country rock within a discontinuous, cross faulted, north trending shear zone which returned assays of 0.118 oz/t and 0.184 oz/t gold for two pyrite and chalcopyrite bearing quartz vein samples and trace gold for the other two samples of fault gouge and pyritized vein and sheared volcanic host.

During the early 1970's much of the northern portion of the Cotter Creek claims was included within a staking preserve and therefore excluded from mineral exploration. Changes to the southern boundary of Strathcona Provincial Park in July 1987 resulted in the area once more being open to exploration and mining activity and the Cotter Creek claims were staked and subsequently optioned to Stoney Creek Mines Ltd.

Other known gold producers located in the immediate area of the Cotter Creek claims include the Big Boy Mine, located 2 km west of the claims, which produced 55 tons of ore material between 1933 and 1941 which yielded 163 oz of gold and 95 oz of silver with copper and lead as accessory metals. This represents grades of 2.96 oz/t gold and 1.73 oz/t silver.

4.0 SURVEY PROCEDURES

The 1988 work program on the Cotter Creek claims was designed to outline and evaluate the economic potential of gold bearing quartz veins known to occur on the property.

Field work was conducted between February 1 and March 11, 1988 and consisted of the following:

1) Grid emplacement - 10 km of east-west grid lines were emplaced over the property and a 375 m north-south baseline was also established. Stations were placed at 25 m intervals on all lines. East-west lines were spaced at 25 and 50 m intervals along the baseline. The baseline was cut using chainsaw and picket. East-west lines were established using survey flagging and hip-chain.

2) Geological mapping - reconnaissance geological mapping was conducted over the grid area and tied into established stations at a scale of 1:1250.

3) Geophysical surveys - A magnetometer survey using a Scintrex MP-2 proton procession magnetometer was conducted over the grid area with readings in gammas obtained at 25 meter stations. A base station was maintained and all lines were looped to allow for the correction of diurnal magnetic variation. A VLF-EM survey employing a Sabre model 27 VLF-EM receiver was conducted over the grid area with reading for quadrature field and dip angle taken at 25 m stations. All dip angle data was filtered using the method of Fraser (1969).

4) Geochemical survey - Soil samples were collected from the enriched (B) horizon at depths ranging from 5 to 30 cm and placed in kraft envelopes. Samples were taken at 25 m stations on the west half of the grid area and at 25 and 50 m stations on lines east of the base-line. All samples were dried after collection and subsequently sent to Chemex Laboratories in North Vancouver, B.C. where they were analyzed for 32 elements by the ICP method and for gold by atomic absorption and fire assay.

5) Rock sampling - Mineralized appearing rock and quartz specimens were collected from within the grid area and plotted on the detailed scale geological maps of the Creek Showing area.

6) Trenching - Two locations where mineralization was apparent were opened using a portable rock drill and blasting to obtain fresh samples and observe structural relationships. They were located at grid references L0+60N-0+35W (Creek Showing) and at Baseline-1+00N.

5.0 GEOLOGY

5.1 Regional Geology (Figure 2)

The geology of the Cotter Creek area has been published at a scale of 1:250,000 by the Geological Survey of Canada at GSC Paper 68-50, Geology of the Alberni Map Area (92F) and at a scale of 1:125,000 as GSC Open file 463, the Geology of Vancouver Island, both of which are by Dr. J.E. Muller.

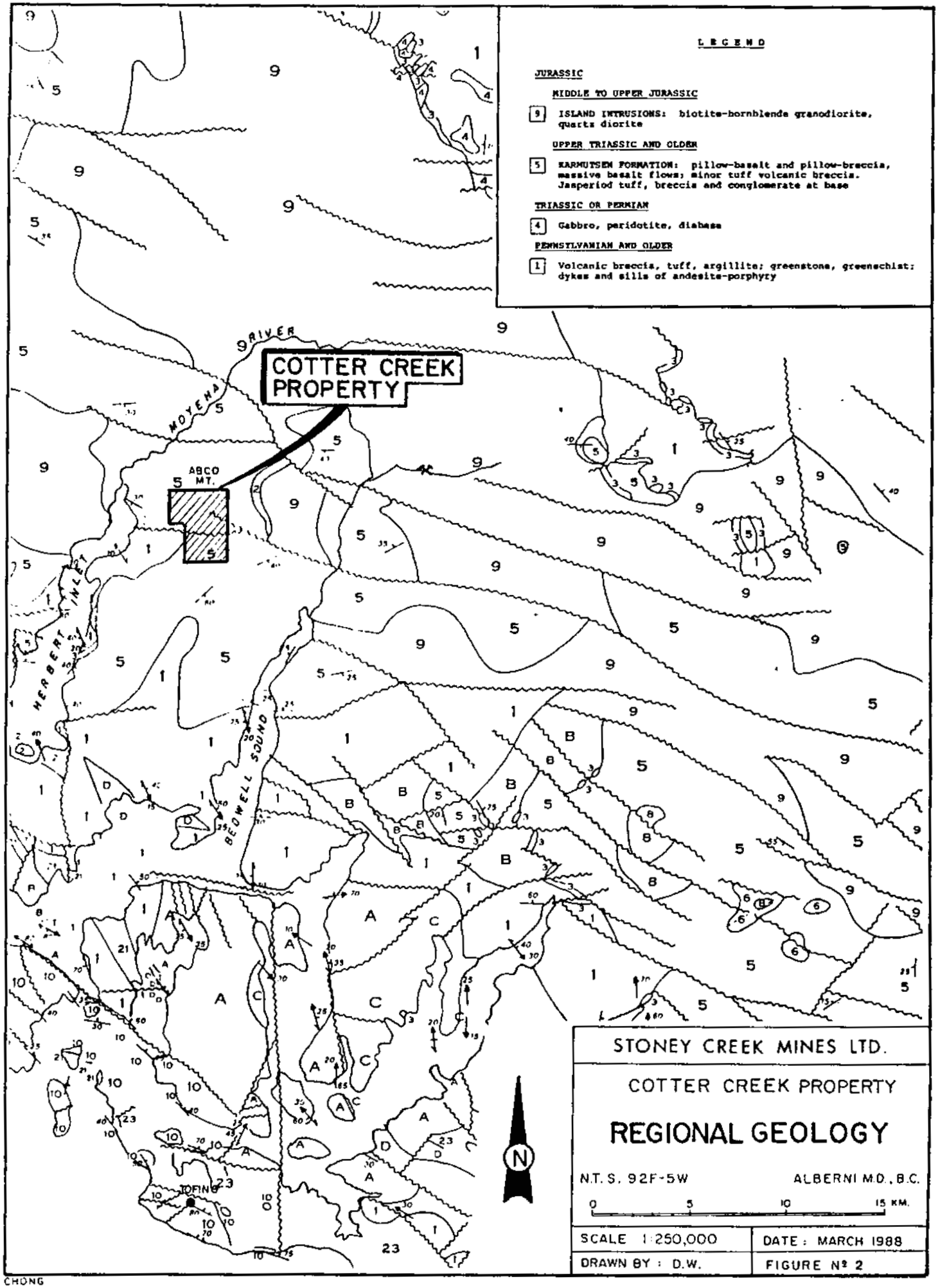
The area is underlain by late Paleozoic aged Sicker Group meta-volcanic and meta-sedimentary rocks (unit 1 on figure 2) on the south side of Cotter Creek and by Jurassic aged Karmutsen volcanic rocks (unit 5) on the north and southeast sides of the valley. Cotter Creek follows the trace of a steeply dipping east-west trending high angle fault which forms the contact between the two lithologies.

Jurassic aged diorite and granodiorite (unit 9) intrude Karmutsen volcanics to the east and west of the Cotter Creek area and intrude Sicker Group rocks to the north of the area.

Tertiary aged porphyry dikes and sills intrude older lithologies and north trending quartz veins cut through tertiary and older rocks.

The property lies within a belt of Tertiary aged gold bearing deposits which extends from the Zeballos area of northern Vancouver Island to the Nanaimo area on the east coast of the island.

Another related belt of Tertiary aged deposits extends from the Tofino area on the west coast to the Mount Washington area on the east coast of Vancouver Island. This east-west belt of Tertiary deposits includes the Cotter Creek area as well as the


LEGEND
JURASSIC
MIDDLE TO UPPER JURASSIC
9 ISLAND INTRUSIONS: biotite-hornblende granodiorite, quartz diorite
UPPER TRIASSIC AND OLDER
5 KARMUTSEN FORMATION: pillow-basalt and pillow-breccia, massive basalt flows; minor tuff volcanic breccia. Jasperiod tuff, breccia and conglomerate at base
TRIASSIC OR PERMIAN
4 Gabbro, peridotite, diabase
PENNSYLVANIAN AND OLDER
1 Volcanic breccia, tuff, argillite; greenstone, greenschist; dykes and sills of andesite-porphyry
COTTER CREEK PROPERTY
MOYEHA RIVER
ABCO MT.
HERBERT INLET
BEDWELL SOUND
TOFINO
N
STONEY CREEK MINES LTD.
COTTER CREEK PROPERTY
REGIONAL GEOLOGY
N.T.S. 92F-5W
ALBERNI M.D., B.C.
0 5 10 15 KM.
SCALE 1:250,000
DATE: MARCH 1988
DRAWN BY: D.W.
FIGURE Nº 2

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northern Great Central lake area where much attention has been centered recently on the Cream Silver Mines property.

Mineralization within the Tertiary deposits in the area occurs primarily as native gold within quartz veins associated with copper, lead and zinc sulfides. Sulfide content varies from massive to trace amounts and veins are generally narrow.

5.2 Grid Area Geology (Figure 3)

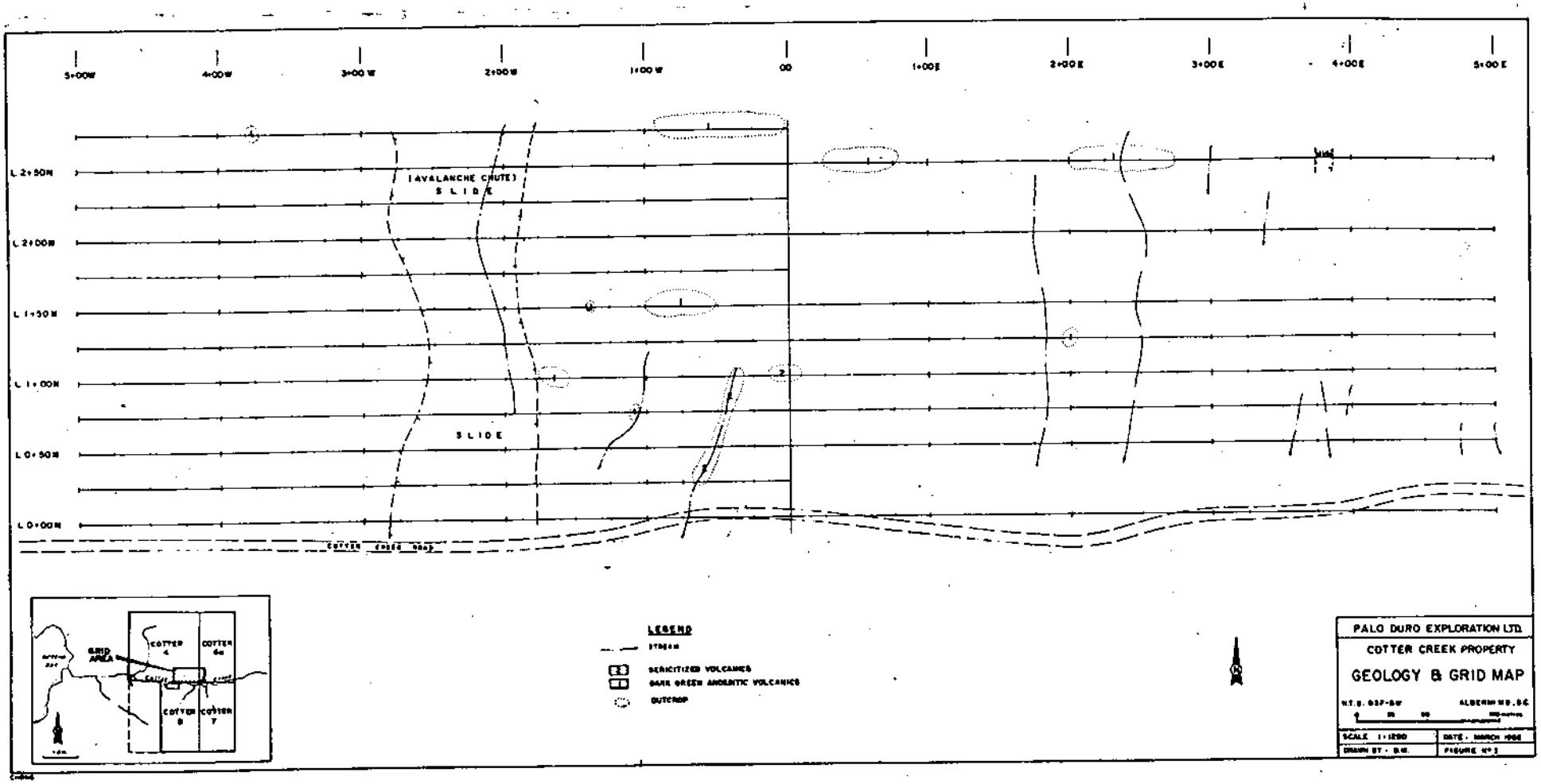
Rock types within the grid area studied are andesites of the Karmutsen Volcanics. These rocks have subdivided into two mappable units and are as follows:

Unit 1: Dark green andesite and basalt, often porphyritic. May include inter-flow breccias and tuffs.

Unit 2: Rusty weathering, blue-green, sericitized volcanics associated with quartz veining and sulfide mineralization and containing up to 5% pyrite with minor chalcopyrite.

Outcrop exposure, except in the lower portions of the grid area near Cotter Creek, is abundant ($\geq$ 15%). The central portion of the creek valley is covered to an estimated depth of 50 m to 100 m by fluvial, glacial and landslide deposits.

The principal structural elements present on the property and the grid area are a steeply dipping, east-west trending high angle fault and associated northerly trending shear zones and quartz veins.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L 1+00N
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L 0+00N
(AVALANCHE CHUTE)
SLIDE
SLIDE
COTTER CREEK ROAD
GRID AREA
COTTER 4
COTTER 6a
COTTER 8
COTTER 7
LEGEND
STREAM
SERICITIZED VOLCANICS
DARK GREEN ANDESITIC VOLCANICS
OUTCROP
PALO DURO EXPLORATION LTD.
COTTER CREEK PROPERTY
GEOLOGY & GRID MAP
SCALE 1:1200
DATE: MARCH 1988
DRAWN BY: D.M.
FIGURE No 3

5.3 Mineralization (Figures 4 & 5)

Mineralization observed within the grid area to date consists of pyrite with minor chalcopyrite and sphalerite which occur within quartz veins and surrounding sericitized volcanic rocks. Within the quartz veins, sulfides range from $\leq$ 1% to a maximum of approximately (3%). Veins are narrow (10 cm to 36 cm in the Creek Showing area) and occur within north trending sericitized shear zones. Sulfide content and gold grades do not appear too closely related and are presumable due to the presence of native gold within the veins.

Several chip samples were collected from the Creek Showing area and sample numbers plotted on figures 4 and 5. Grades obtained from the vein ranged from 0.013 oz/t to 0.612 oz/t gold and trace to 0.59 oz/t silver. There is no apparent correlation between gold and silver grades and this may indicate that the two occur separately. For detailed sample descriptions the reader is referred to Appendix B (Rock Descriptions).

The principal vein at the Creek Showing has been opened by rock drill and blasting for a distance of approximately 6.7 meters. The vein varies in width from 10 cm to 36 cm with the average width approximately 23 cm. The vein strikes due north and dips 75^{o} to the west.

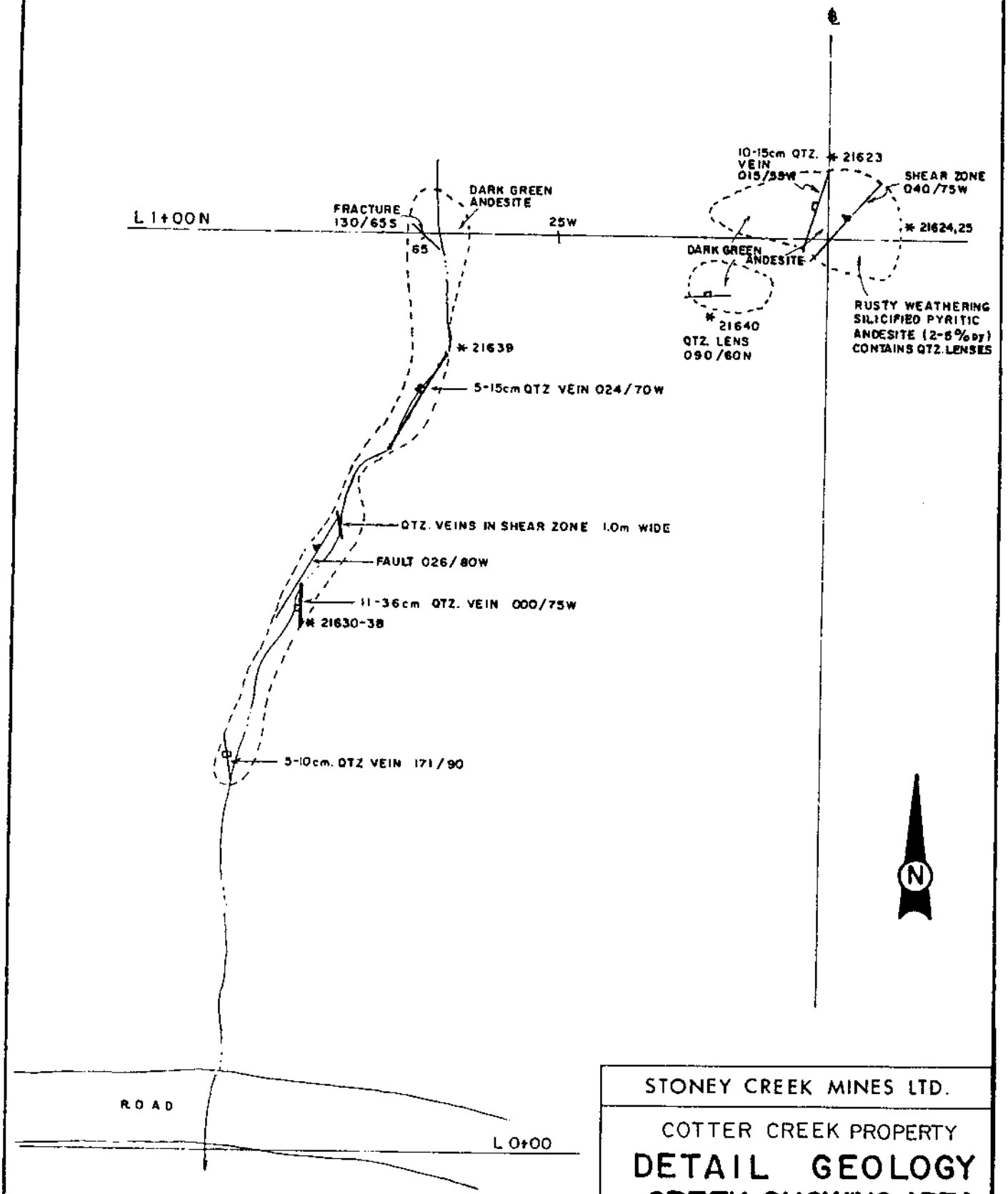
Both the hanging wall and foot wall are silicified and sericitized for up to 33 cm, and assays indicate low, but appreciable gold mineralization. When wall rock values are included, gold grades vary between 0.043 oz/t (samples 21630 to 21632) and 0.023 oz/t (samples 21633 to 21635) over a width of 75 cm. Averaging the wall rock samples gives a grade of 0.0165 oz/t gold. If this average is used for other sample locations at the Creek Showing, an average gold grade for the showing would be 0.075 oz/t over a width of 56 cm.

The vein is open to the south where it passes under the creek bank and is cut off to the north by a $026^{o}/80^{o}W$ fault.

Sulfide content is low ($\leq 2\%$) and does not appear to be closely related to precious metal content.

Gold and silver grades for vein and mineralized host rock from the Creek Showing area are summarized as follows:

SAMPLE #	TYPE	WIDTH	Au(oz/t)	Ag(oz/t)
21630	H.wall volc.	33 cm	0.020	0.02
21631	qtz. vein	14 cm	0.190	0.59
21632	F.wall volc.	30 cm	0.003	0.01
21633	H.wall volc.	30 cm	0.025	0.01
21634	qtz. vein	12 cm	0.031	0.01
21635	F.wall volc.	33 cm	0.081	0.01
21636	qtz. vein	23 cm	0.184	0.17
21637	qtz. vein	10 cm	0.612	0.01
21638	qtz. vein	36 cm	0.139	0.43



* Sample location

STONEY CREEK MINES LTD.

COTTER CREEK PROPERTY

DETAIL GEOLOGY CREEK SHOWING AREA

N.T.S.-92F-5W ALBERNI M.D., B.C.

0 5 10 25 METRES

SCALE 1 : 500	DATE : MARCH 1988
DRAWN BY : D.W.	FIGURE Nº. 4

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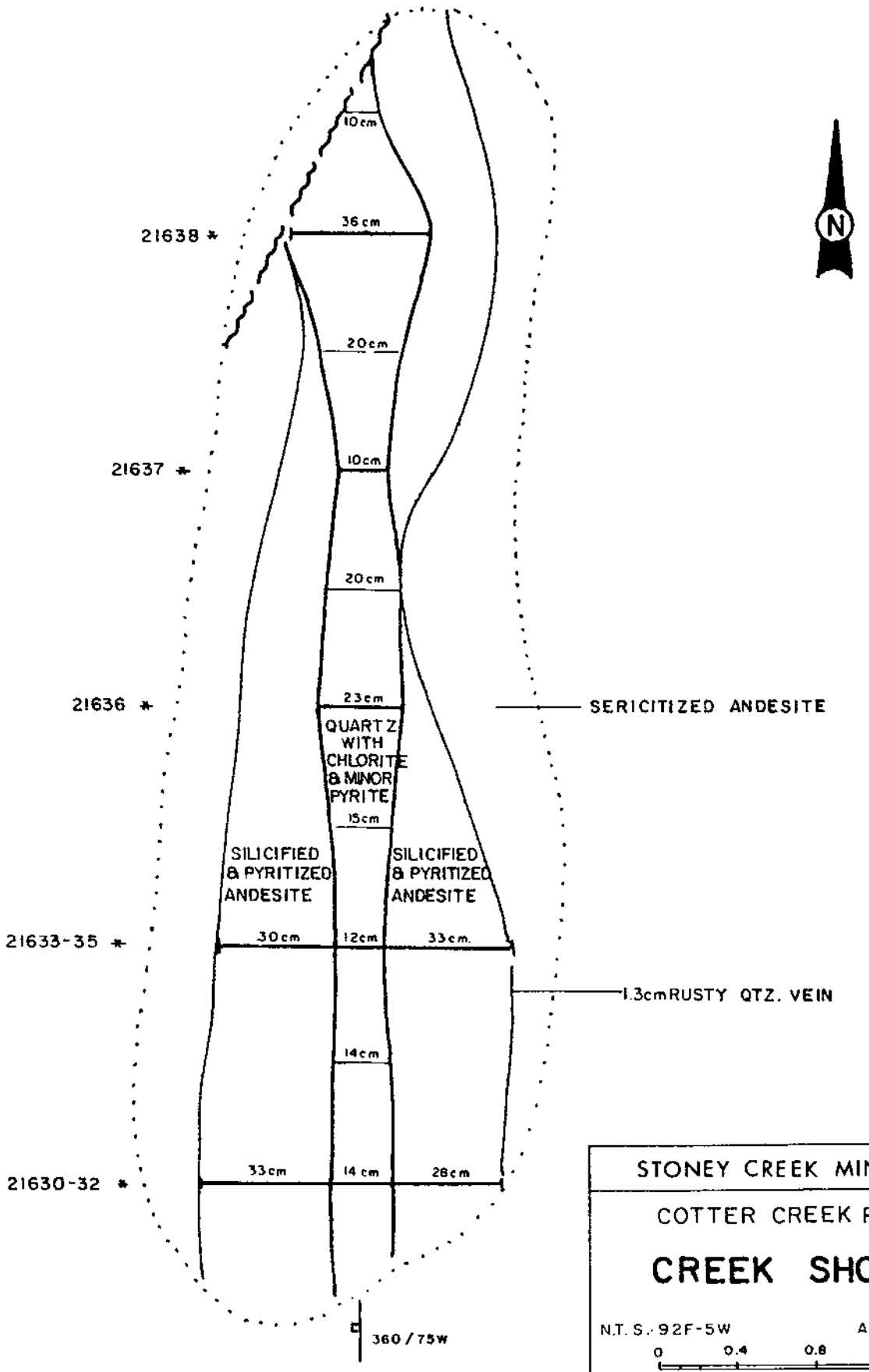

STONEY CREEK MINES LTD.

COTTER CREEK PROPERTY

CREEK SHOWING

N.T.S. 92F-5W ALBERNI M.D., B.C.

0 0.4 0.8 1.2 METRES

SCALE 1:15	DATE : MARCH 1988
DRAWN BY : D.W.	FIGURE Nº 5

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6.0 GRID AREA GEOCHEMISTRY

6.1 Introduction

A total of 283 soil samples were collected from the grid area and analyzed by Chemex Laboratories of North Vancouver, B.C.

All soil samples were analyzed for gold (FA+AA) and for 32 trace elements (ICP) including silver, copper and zinc.

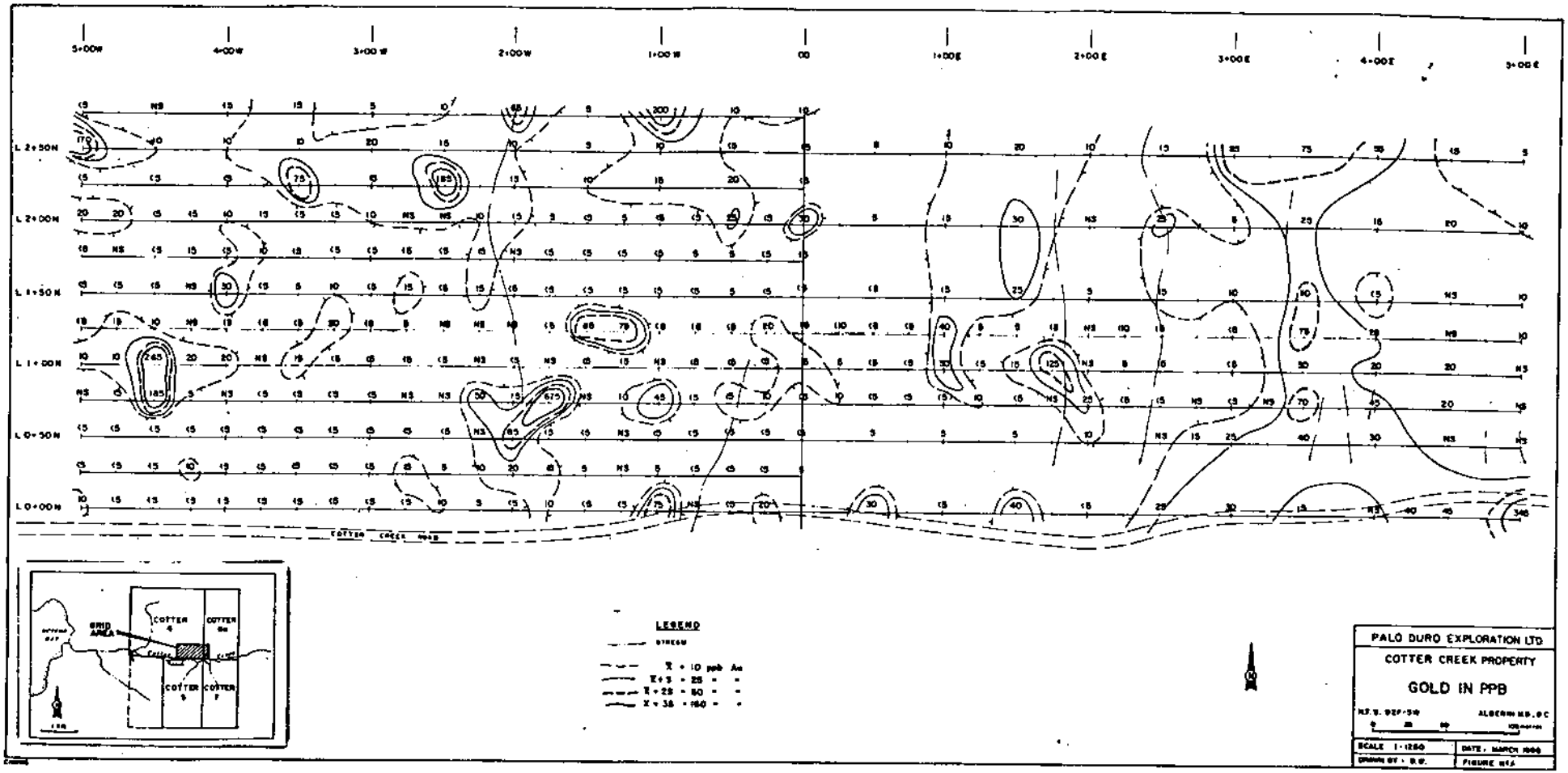
Statistics for soil results were derived using the CSTAT utility of the GEOTRIEVE system provided for on-line customers by Chemex Labs. Anomalous values were chosen at two standard deviations above the geometric mean for gold and two standard deviations above the arithmetic mean for copper and zinc (Appendix C).

Soil results for gold, copper and zinc were chosen for presentation due to the good correlation of their values. Silver results produced a distribution pattern suggesting contamination and therefore were not plotted.

6.2 Results and Interpretation

Gold (Figure 6)

The geometric mean for gold in soils was determined to be 9.1 ppb and the threshold value for anomalies was found to be 62.7 ppb. Many samples (138 of 283) contained $\leq$ the analytical detection limit of 5 ppb. Contour intervals used on figure 6 were rounded to the nearest multiple of 5 ppb for convenience. The chosen threshold for plotting is significantly higher than the crustal average for gold in rocks of between 3 ppb and 5 ppb.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L 0+00N
COTTER CREEK ROAD
GRID AREA
COTTER 4
COTTER 5a
COTTER 5
COTTER 7
LEGEND
STREAM
X + 10 ppb Au
X+ 3 = 25 " "
X+ 25 = 50 " "
X + 38 = 150 " "
PALO DURO EXPLORATION LTD.
COTTER CREEK PROPERTY
GOLD IN PPB
SCALE 1:1250
DATE: MARCH 1988
FIGURE #14

Nineteen soil samples can be considered anomalous for gold, seven of which are greater than 3 standard deviation multiples above the mean and can be considered highly anomalous ($\geq$ 160 ppb). The source of many of these anomalies is likely to be north of the grid area as they were sampled from areas where overburden is derived from steep slopes in the northern portion of the property.

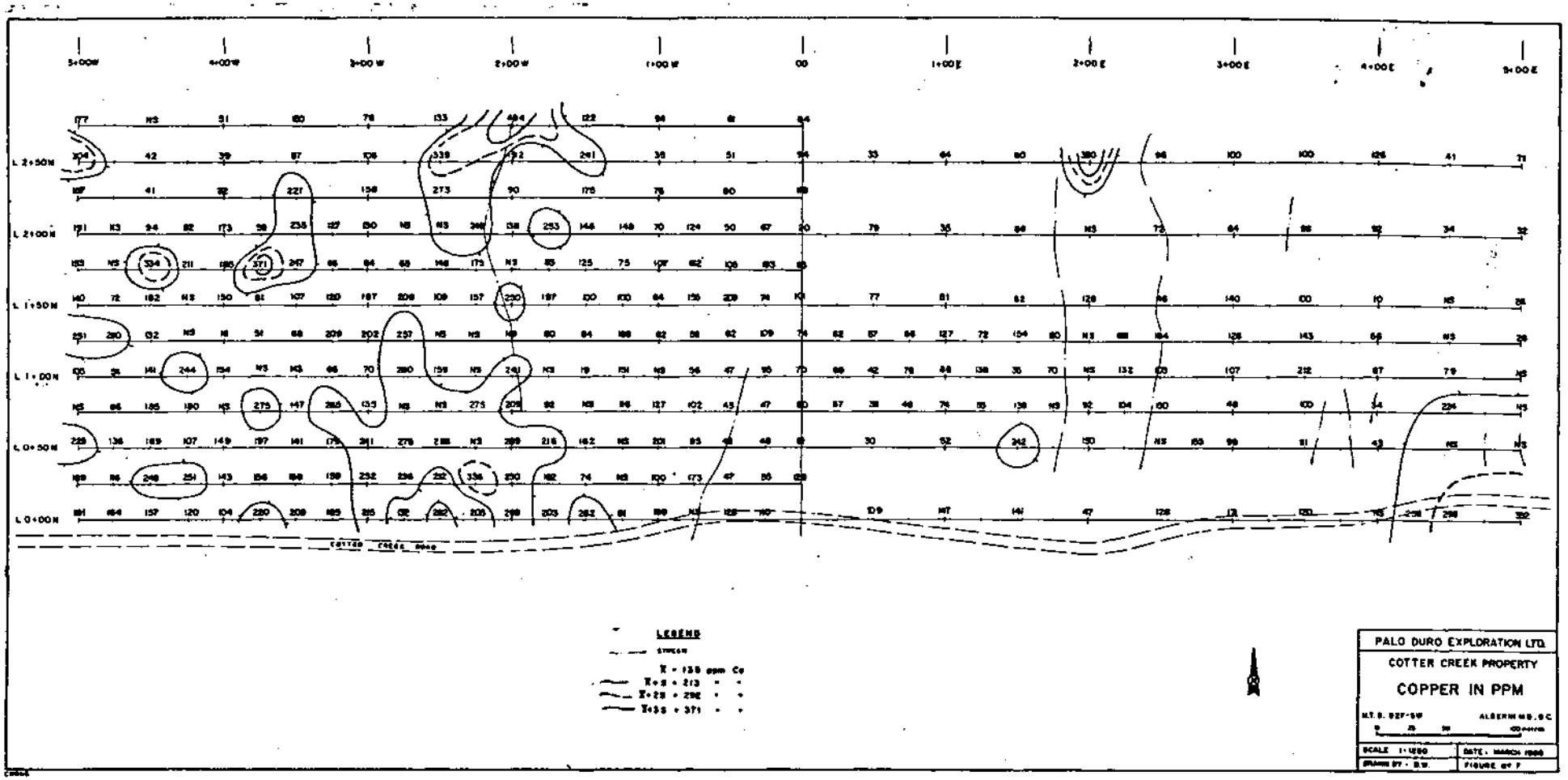
Five anomalies are interpreted to be derived from the immediate area of sample locations. These are L0+00N-1+00W (75 ppb), L0+50N-2+00W (85 ppb), L0+75N-1+75W (675 ppb), L1+5-N-1+25W (75 ppb) and L1+50N-1+50W (85 ppb). An anomaly at L2+75N-1+00W is likely derived from cliff outcrops immediately to the north.

Silver

Nearly all silver results were less than the analytical detection limit of 0.2 ppm (221 of 283). Most of those samples which contained $\geq$ 0.2 ppm were concentrated along survey lines and appear to represent contamination. The source of this contamination has been traced to the soil sampler using a silver plated sampling tool. The same pattern is not apparent for other elements, especially for copper which is often used in silver alloys, and therefore gold, zinc and copper geochemistry are not considered to have been appreciably contaminated.

Copper (Figure 7)

The mean for copper in soils is 138 ppm and the threshold is 292 ppm. Nine samples are anomalous with respect to copper, however, the distribution of these anomalies suggests that their source lies to the north of the grid area.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4+00W
3+00W
2+00W
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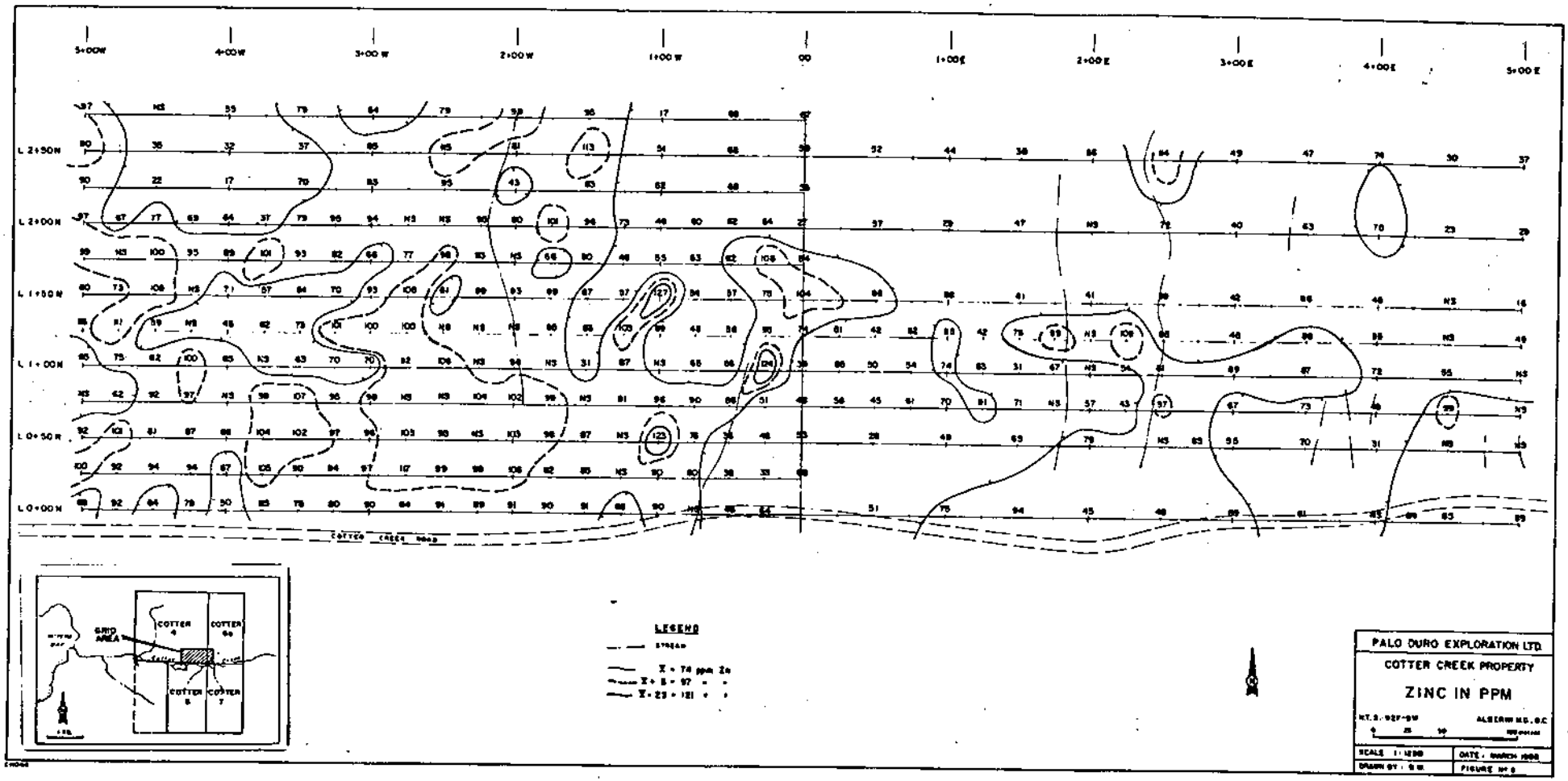
LEGEND
Cu = 213 ppm Cu
Cu = 298 ppm Cu
Cu = 371 ppm Cu
PALO DURO EXPLORATION LTD.
COTTER CREEK PROPERTY
COPPER IN PPM
ALBERNI M.D., B.C.
SCALE 1:1250
DATE: MARCH 1986
DRAWN BY: B.D.
FIGURE NO. 7

Zinc (Figure 8)

The mean for zinc in soils is 74 ppm and the threshold is 121 ppm. Three samples are anomalous for zinc; L0+50N-1+00W (123 ppm), L1+00N-0+25W (124 ppm) and L1+50N-1+00W (127 ppm). All three are probably derived from nearby outcrops and correlate well with gold soil anomalies and observed gold bearing quartz veins in the Creek Showing area.

In addition to soil sampling within the grid area, a silt sample was collected from a creek located approximately 200 m due east of station L0+00N-5+00E. The stream sediments from the creek were derived from a steep canyon draining from the steep slope to the north of the sample location. High concentration of copper (228 ppm) for this sample indicate another potential source of mineralization from this drainage area which may also be the source of a gold anomaly encountered at station L0+00N-5+00E (345 ppb) which was sampled from soil derived from fluvial material.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COTTER CREEK ROAD
GRID AREA
COTTER 4
COTTER 6a
COTTER 5
COTTER 7
LEGEND
STREAM
X = 74 ppm Zn
X + S = 97 " "
X + 2S = 121 " "
PALO DURO EXPLORATION LTD.
COTTER CREEK PROPERTY
ZINC IN PPM
ALBERNI M.D., B.C.
SCALE 1 : 1250
DATE : MARCH 1988
DRAWN BY : S.M.
FIGURE No. 8

7.0 GEOPHYSICAL SURVEYS

7.1 Magnetometer Survey (Figure 9)

Diurnal variation was found to be slight ($\leq$ 50 gammas) and therefore correction was not deemed to be necessary.

Contoured magnetic data shows a correlation between magnetic lows and areas where the greatest gold soil anomalies were encountered as well as in the area of the creek showing. Magnetic highs appear to be associated with drainage areas and may suggest a correlation between inferred mineralization to the north of the grid area and magnetic highs.

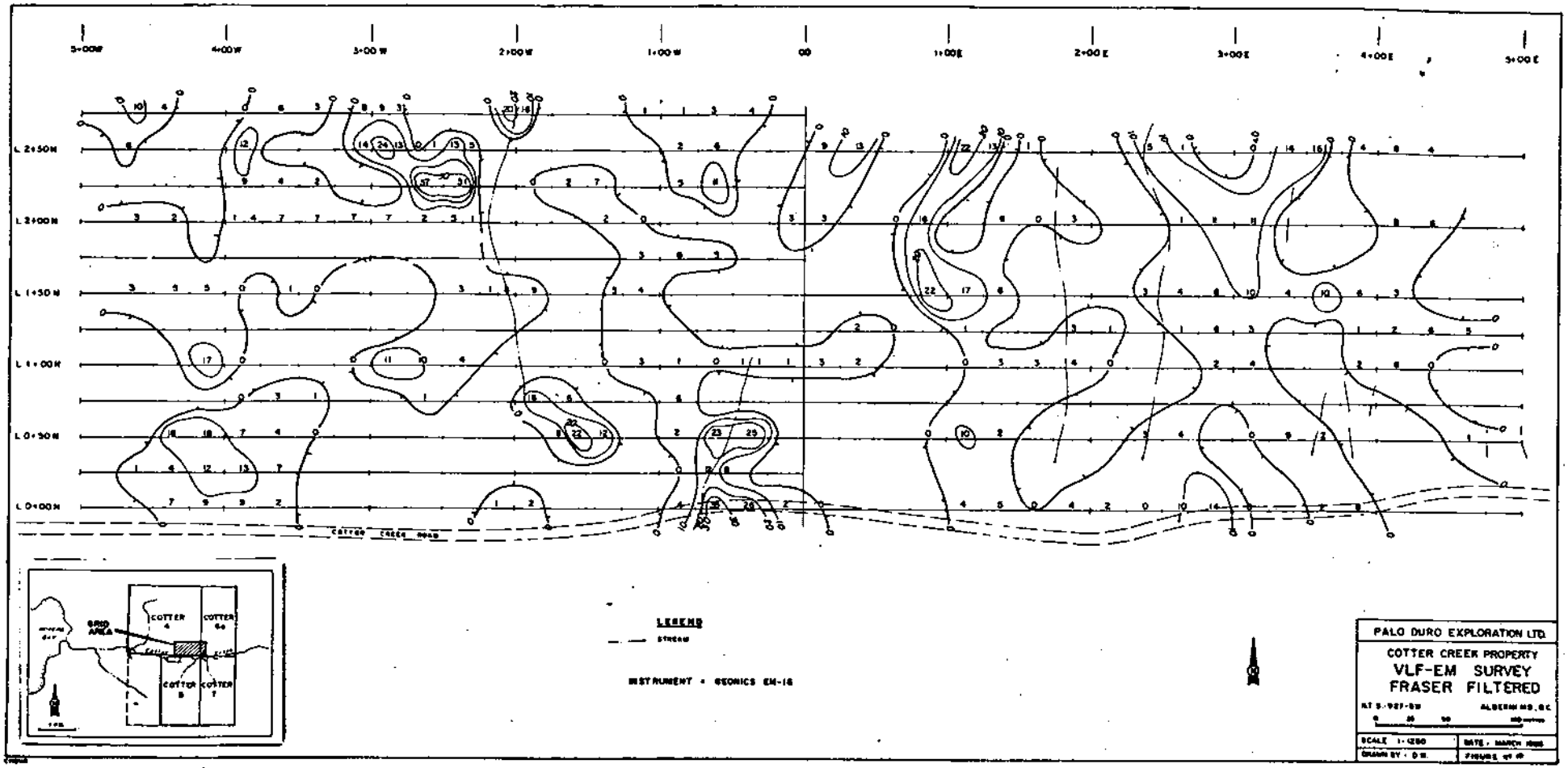
7.2 VLF-EM Survey (Figure 10)

Fraser filtered dip angle data from the grid area indicates three conductors not overtly affected by topography. These correlate well with soil anomalies and the Creek Showing area and are therefore considered to be important.

A conductor can be traced by a positive anomaly which extends from L0+00N-0+75W, directly south of the Creek Showing, and extends northward to the area of station L2+75N-0+75W. The width of the conductor varies from 25 m on L0+75N between 0+75W and 1+00W to over 175 m on L1+00N between stations 0+50E and 1+25W. The strongest positive filtered values within this conductor were encountered in the immediate area of the Creek Showing between L0+00N-0+67W and L0+50N-0+50W where values are greater than +20 and exceed +30 on L0+00N. The broad weak positive on L1+00N appears to indicate an east-west unmineralized structure.

Another conductor with values exceeding +20 is situated between L0+50N-1+50W and L0+75N-1+75W and is coincident with gold and zinc soil anomalies in the immediate area.

A third conductor extends between L2+25N between stations 2+25W and 2+75W and extends off the northern edge of the grid area at L2+75N centered on station 3+00W. As in the other two conductors there is a correlation with gold and to a lesser extent zinc in soils, however, this anomaly is accompanied by a magnetic high. The presence of talus in this area indicates that the source of this conductor may be from steep area to the north.



LEGEND

STREAM

INSTRUMENT - GEONICS EM-16

PALO DURO EXPLORATION LTD.

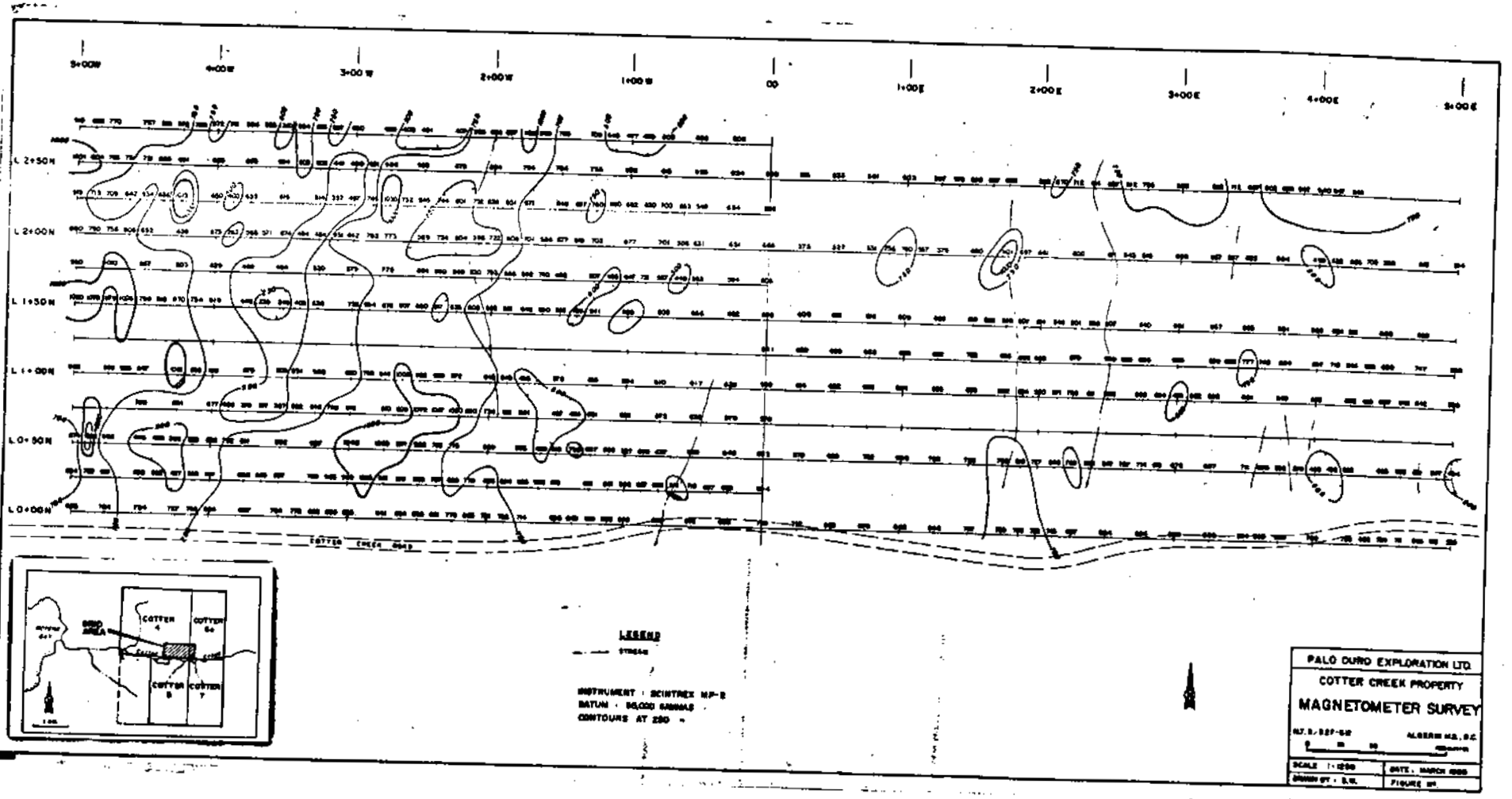
COTTER CREEK PROPERTY

VLF-EM SURVEY

FRASER FILTERED

SCALE 1:1250

DRAWN BY - D.H.


5+00W
4+00W
3+00W
2+00W
1+00W
00
1+00E
2+00E
3+00E
4+00E
5+00E
L 2+50N
L 2+00N
L 1+50N
L 1+00N
L 0+50N
L 0+00N
COTTER CREEK
COTTER 4
COTTER 5A
COTTER 6
COTTER 7
STUDY AREA
LEGEND
STREAM
INSTRUMENT : SCINTREX MP-2
DATUM : 56,000 GAMMAS
CONTOURS AT 250 γ
PALO DURO EXPLORATION LTD.
COTTER CREEK PROPERTY
MAGNETOMETER SURVEY
SCALE 1:1250
DATE : MARCH 1988
FIGURE #1

8.0 CERTIFICATE OF QUALIFICATIONS

I, Douglas H. Wood of the city of Vancouver, in the Province of British Columbia, do hereby certify as follows:

1. I am a consulting geologist based in Vancouver, B.C. and have been active in mineral exploration for the past eleven years.

2. I graduated from the University of British Columbia in 1981 with a Bachelor of Science degree in Geological Sciences and spent a further year at the post-graduate level at the University of B.C.

3. I am a Fellow in good standing of the Geological Association of Canada (F4594).

4. I supervised exploration work on the Cotter Creek claims between February 1 and March 11, 1988 and the conclusions based on this work are my own.

5. I have no interest, contingent or otherwise, in the Cotter 4, 5, 6a or 7 mineral claims, nor in the securities of Stoney Creek Mines Ltd.

6. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public documents.

Dated at Vancouver, Province of British Columbia, this 20th day of June, 1988.

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist

9.0 REFERENCES

The following is a list of publications, public and private, which pertain to the property area and subject of this report:

Bancroft, M.F. (1937)
Gold-bearing on the West Coast of Vancouver Island between Esperanza Inlet and Alberni Canal; Geological Survey of Canada, Memoir 204.

Carson, J.T. (1969)
Tertiary Mineral Deposits of Vancouver Island; C.I.M. Transactions: Volume LXXII, pp. 116-125.

Fraser, D.C. (1969)
Contouring VLF-EM Data Geophysics Volume XXXIV, No. 5

McDougall, B.W.W. (1934)
A Report on the Mary McQuilton Group of Mineral Claims, Herbert Arm Area, Clayoquot Mining Division, Vancouver Island, British Columbia.

Minister of Mines and Petroleum Resources, British Columbia
Annual Reports for 1933, 1935, 1937, 1938, 1940, 1941, 1959, 1960 and 1962.

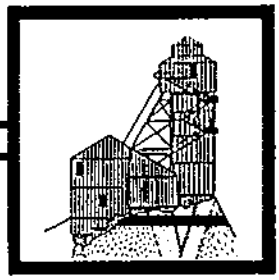
Muller, J.E. and Carson D.J.T. (1969)
Geology and Mineral Deposits of the Alberni Map-area (92F); Geological Survey of Canada, Paper 68-50.

Muller, J.E. (1977)
Geology of Vancouver Island; Geological Survey of Canada, Open File 463.

Rose, A.W. et al (1979)
Geochemistry in Mineral Exploration; Academic Press, 675p.

LAROTH ENGINEERING LTD.

405 - 595 Howe Street
Vancouver, B.C. V6C 2T5
Tel: (604) 681-6466



COST STATEMENT

COTTER CREEK PROPERTY, ALBERNI MINING DIVISION

CLAIM	RECORD NO.	UNITS	RECORD DATE
Cotter 4	3350	16	09/21/87
Cotter 5	3351	16	09/21/87
Cotter 6A	3405	8	12/14/87
Cotter 7	3406	8	12/14/87

Grid Emplacement 10 km	
Labour - 15 man days @ $110.00/day	$ 1,650.00
Chain saw - 3 days @ $20.00/day	60.00
Magnetometer Survey & VLF-EM	
Operators - 12 man days @ $150.00/day	1,800.00
Equipment rental	400.00
Soil Sampling	
Labour - 10 man days @ $110.00/day	1,100.00
Assaying - 283 soil ICP @ $15.00/each	4,245.00
Geological Mapping & Supervision	
15 man days @ $200.00/day	3,000.00
Camp & vehicle rental - 1 month	1,000.00
Air support (Tofino Air)	500.00
Food - 56 man days @ $20.00/day	1,120.00
Transportation Vancouver, Tofino return, vehicle rental, expediting, etc.	500.00
Helicopter - 1 hour	500.00
Drill & blasting - 4 man days @ $200.00/day	800.00
Drill & supplies	200.00
Consulting Fees	
Laroth Engineering Ltd.	1,200.00
Report writing, including drafting and word processing	4,000.00
TOTAL	$23,195.00

E. Larabie, P.Eng.
Laroth Engineering Ltd.

APPENDIX A

ASSAY RESULTS

Northwest Precious Metals
141 West 5th Ave.
Van.B.C. V5Y 1H9
875-1388

Laroth Engineering
Date received: Feb25/88
Date reported: Mar3/88
File:2054

ASSAY CERTIFICATE

Description	Ag oz/ton	Au oz/ton
21618	0.01	0.002
21619	0.03	0.017
21620	0.01	0.005
21621	0.01	0.002
21622	0.00	0.002
21623	0.00	0.001
21624	0.00	0.007
21625	0.02	0.015
21626	0.00	0.000
21627	0.00	0.018
21628	0.01	0.006
21629	0.01	0.001
21630	0.02	0.020
21631	0.59	0.190
21632	0.00	0.003
21633	0.01	0.025
21634	0.00	0.031
21635	0.01	0.018
21636	0.17	0.184
21637	0.01	0.612
21638	0.43	0.139
21639	0.00	0.006
21640	0.40	0.064

Raymond Chan
B.C. Certified Assayer

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SILT

DATE RECEIVED: FEB 29 1988 DATE REPORT MAILED: March 4/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG. CERTIFIED B.C. ASSAYERS

PALO DARO EXPLORATION PROJECT-COTTER CREEK File # 88-0576

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
SS #1	1	228	8	108	.1	58	35	1448	8.47	3	5	ND	1	13	1	2	2	194	1.16	.045	5	66	2.96	12	.43	13	3.40	.01	.04	1

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

LAROCHE ENGINEERING LTD.
ATTN: E.N. LAROCHE
405 - 595 HOWE ST
VANCOUVER, BC
V2C 2T5

Project : PULO DORO
Comments:

Date 9-MAR-88
Invoice # I-8812223
P.O. #

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC0+00N 0+50E	201	238	3.77	< 0.2	10	10	< 0.5	< 2	0.30	< 0.5	17	56	109	7.76	10	< 1	0.02	< 10	0.61	1030	< 1
CC0+00N 1+00E	201	238	5.72	< 0.2	15	30	< 0.5	< 2	0.34	< 0.5	27	116	147	13.60	20	< 1	0.03	10	0.82	1580	< 1
CC0+00N 1+50E	203	238	3.70	< 0.2	5	30	< 0.5	< 2	0.88	< 0.5	34	80	141	6.29	10	< 1	0.08	10	1.37	4820	< 1
CC0+00N 2+00E	201	238	3.17	< 0.2	< 5	10	< 0.5	< 2	0.23	< 0.5	9	76	47	10.00	20	< 1	0.03	< 10	0.62	618	< 1
CC0+00N 2+50E	201	238	3.97	< 0.2	15	10	< 0.5	< 2	0.38	< 0.5	12	107	128	8.29	10	< 1	0.02	< 10	0.69	493	< 1
CC0+00N 3+00E	201	238	3.58	< 0.2	10	20	< 0.5	< 2	1.25	< 0.5	32	86	171	6.20	10	< 1	0.03	10	1.46	2040	< 1
CC0+00N 3+50E	201	238	3.18	< 0.2	10	20	< 0.5	< 2	0.52	< 0.5	19	76	120	6.77	10	< 1	0.02	< 10	1.20	646	< 1
CC0+00N 4+25E	201	238	3.83	< 0.2	10	10	< 0.5	< 2	0.81	< 0.5	41	77	256	8.21	10	< 1	0.04	10	2.53	1905	< 1
CC0+00N 4+50E	201	238	3.81	< 0.2	20	10	< 0.5	< 2	0.95	< 0.5	41	72	296	7.73	10	< 1	0.04	10	2.61	1940	< 1
CC0+00N 5+00E	201	238	4.05	< 0.2	15	10	< 0.5	< 2	1.16	< 0.5	40	78	352	8.18	20	< 1	0.04	10	2.83	1845	< 1
CC0+50N 0+50E	201	238	1.98	< 0.2	15	10	< 0.5	< 2	0.29	< 0.5	7	45	30	8.78	20	< 1	0.03	< 10	0.27	673	< 1
CC0+50N 1+00E	217	238	2.62	< 0.2	< 5	10	< 0.5	< 2	0.48	< 0.5	24	111	52	7.96	20	< 1	0.04	< 10	1.34	1355	< 1
CC0+50N 1+50E	201	238	6.43	< 0.2	15	10	< 0.5	< 2	0.26	< 0.5	37	66	242	8.71	10	< 1	0.01	10	1.09	1560	< 1
CC0+50N 2+00E	203	238	3.39	< 0.2	10	40	< 0.5	< 2	0.62	< 0.5	21	73	150	5.91	10	4	0.04	10	0.76	4800	< 1
CC0+50N 2+75E	201	238	3.44	< 0.2	15	20	< 0.5	< 2	1.45	< 0.5	28	86	155	7.63	20	< 1	0.04	< 10	1.12	1295	< 1
CC0+50N 3+00E	201	238	3.84	< 0.2	5	10	< 0.5	< 2	1.13	< 0.5	20	87	99	8.74	20	< 1	0.02	10	0.69	740	< 1
CC0+50N 3+50E	203	238	3.22	< 0.2	10	20	< 0.5	< 2	1.16	< 0.5	32	91	111	6.03	10	< 1	0.08	< 10	1.83	1335	< 1
CC0+50N 4+00E	203	238	2.68	< 0.2	5	20	< 0.5	< 2	0.38	< 0.5	6	70	43	5.74	20	< 1	0.06	< 10	0.77	377	< 1
CC0+75N 0+25E	217	238	2.69	< 0.2	25	10	< 0.5	< 2	0.52	< 0.5	18	72	57	7.56	20	< 1	0.04	< 10	0.94	792	< 1
CC0+75N 0+50E	217	238	2.13	< 0.2	10	10	< 0.5	< 2	0.43	< 0.5	14	82	36	7.47	20	< 1	0.02	< 10	0.82	764	< 1
CC0+75N 0+75E	203	238	2.15	< 0.2	5	10	< 0.5	< 2	0.30	< 0.5	5	57	46	8.48	20	< 1	0.04	< 10	0.42	460	< 1
CC0+75N 1+00E	203	238	3.52	< 0.2	< 5	20	< 0.5	< 2	0.29	< 0.5	25	83	74	9.05	20	< 1	0.04	10	0.61	2110	< 1
CC0+75N 1+25E	217	238	2.98	< 0.2	5	< 10	< 0.5	< 2	0.66	< 0.5	26	75	55	7.62	20	< 1	0.03	< 10	1.76	973	< 1
CC0+75N 1+50E	201	238	3.89	< 0.2	5	10	< 0.5	< 2	0.31	< 0.5	25	49	138	8.94	10	< 1	0.02	< 10	1.41	905	< 1
CC0+75N 2+00E	201	238	2.94	< 0.2	5	10	< 0.5	< 2	0.38	< 0.5	26	56	92	8.74	20	< 1	0.02	< 10	0.93	1030	< 1
CC0+75N 2+25E	201	238	3.66	< 0.2	5	< 10	< 0.5	< 2	0.27	< 0.5	10	76	104	9.82	20	< 1	0.01	< 10	0.66	419	< 1
CC0+75N 2+50E	203	238	3.76	< 0.2	5	20	< 0.5	< 2	1.26	< 0.5	32	124	150	6.96	10	< 1	0.05	10	1.76	1105	< 1
CC0+75N 3+00E	203	238	1.75	< 0.2	5	10	< 0.5	< 2	0.38	< 0.5	10	74	48	6.44	20	< 1	0.03	< 10	0.52	319	< 1
CC0+75N 3+50E	201	238	3.26	< 0.2	10	10	< 0.5	< 2	0.63	< 0.5	15	91	100	9.29	20	2	0.03	10	0.85	726	< 1
CC0+75N 4+00E	201	238	2.08	< 0.2	5	10	< 0.5	< 2	0.47	< 0.5	11	62	34	7.75	20	< 1	0.05	< 10	0.70	484	< 1
CC0+75N 4+50E	201	238	5.79	< 0.2	30	10	< 0.5	< 2	0.41	< 0.5	36	157	224	9.70	20	< 1	0.04	10	1.36	866	< 1
CC1+00N 0+25E	217	238	2.32	< 0.2	15	10	< 0.5	< 2	0.86	< 0.5	22	64	68	5.32	10	< 1	0.07	< 10	1.00	1045	< 1
CC1+00N 0+50E	201	238	3.96	< 0.2	15	10	< 0.5	< 2	0.20	< 0.5	8	36	42	7.67	10	< 1	0.02	10	0.48	584	< 1
CC1+00N 0+75E	201	238	3.28	< 0.2	15	10	< 0.5	< 2	0.33	< 0.5	15	75	76	8.40	20	< 1	0.03	< 10	0.74	831	< 1
CC1+00N 1+00E	203	238	3.46	< 0.2	15	10	< 0.5	< 2	0.31	< 0.5	28	92	88	8.38	20	< 1	0.05	< 10	0.90	2010	< 1
CC1+00N 1+25E	201	238	6.20	< 0.2	15	10	< 0.5	< 2	0.16	< 0.5	25	92	138	8.13	10	< 1	0.02	< 10	0.76	1495	< 1
CC1+00N 1+50E	201	238	1.27	< 0.2	< 5	< 10	< 0.5	< 2	0.22	< 0.5	8	40	35	7.67	20	< 1	0.02	< 10	0.20	747	< 1
CC1+00N 1+75E	203	238	2.90	< 0.2	< 5	20	< 0.5	< 2	0.45	< 0.5	23	68	70	6.73	10	< 1	0.05	< 10	1.23	1520	< 1
CC1+00N 2+25E	201	238	3.84	< 0.2	< 5	10	< 0.5	< 2	0.44	< 0.5	12	62	132	7.39	10	< 1	0.02	< 10	0.67	466	< 1
CC1+00N 2+50E	201	238	3.05	< 0.2	10	20	< 0.5	< 2	0.75	< 0.5	27	75	103	6.15	10	< 1	0.04	10	1.06	2720	< 1

CERTIFICATION :

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

LAROCHE ENGINEERING LTD.
ATTN: E.N. LAROCHE
405 - 595 HOWE ST.
VANCOUVER, BC
V2C 2T5

Project : PILO DURO
Comments:

Date : 9-MAR-88
Invoice # : I-8812223
P.O. # :

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC1+00N 3+00E	217	238	2.42	< 0.2	15	40	< 0.5	< 2	2.14	0.5	22	60	107	4.14	10	< 1	0.02	< 10	0.70	3690	< 1
CC1+00N 3+50E	203	238	3.96	< 0.2	< 5	20	< 0.5	< 2	1.79	< 0.5	34	117	212	6.00	10	< 1	0.07	< 10	2.07	1755	< 1
CC1+00N 4+00E	201	238	3.07	< 0.2	< 5	10	< 0.5	< 2	1.12	< 0.5	23	65	87	6.17	10	< 1	0.04	10	1.23	1025	< 1
CC1+00N 4+50E	203	238	2.81	< 0.2	10	10	< 0.5	< 2	0.41	< 0.5	12	107	79	8.49	20	< 1	0.04	< 10	0.69	464	< 1
CC1+2.5N 0+25E	201	238	2.13	< 0.2	10	10	< 0.5	< 2	0.41	< 0.5	8	41	62	4.23	10	< 1	0.04	< 10	0.59	328	< 1
CC1+2.5N 0+50E	201	238	2.76	< 0.2	5	10	< 0.5	< 2	0.18	< 0.5	6	40	57	7.31	10	< 1	0.02	< 10	0.37	.334	< 1
CC1+2.5N 0+75E	201	238	3.17	< 0.2	< 5	20	< 0.5	< 2	0.25	< 0.5	21	54	66	6.87	10	< 1	0.04	< 10	0.88	1115	< 1
CC1+2.5N 1+00E	203	238	4.43	< 0.2	15	30	1.0	< 2	0.49	< 0.5	37	84	127	7.29	10	3	0.06	10	0.85	2390	< 1
CC1+2.5N 1+25E	201	238	3.03	< 0.2	15	10	1.5	< 2	0.26	< 0.5	8	68	72	10.80	20	< 1	0.02	< 10	0.46	343	< 1
CC1+2.5N 1+50E	203	238	5.86	< 0.2	5	10	1.5	< 2	0.28	< 0.5	24	94	154	9.05	10	2	0.03	< 10	0.81	769	< 1
CC1+2.5N 1+75E	217	238	4.02	< 0.2	5	10	1.0	< 2	1.55	< 0.5	35	83	160	7.92	10	1	0.03	< 10	2.03	1675	< 1
CC1+2.5N 2+25E	203	238	4.13	< 0.2	15	20	2.0	< 2	1.44	< 0.5	34	100	169	7.50	10	< 1	0.04	10	1.26	1970	< 1
CC1+2.5N 2+50E	201	238	4.52	< 0.2	< 5	10	1.5	< 2	0.33	< 0.5	19	102	184	9.70	10	< 1	0.02	< 10	0.85	478	< 1
CC1+2.5N 3+00E	201	238	5.39	< 0.2	< 5	< 10	1.0	< 2	0.18	< 0.5	11	95	126	8.51	10	2	0.02	< 10	0.61	501	< 1
CC1+2.5N 3+50E	201	238	4.77	< 0.2	10	20	2.0	< 2	0.48	< 0.5	39	102	143	8.10	10	< 1	0.04	10	1.85	1940	< 1
CC1+2.5N 4+00E	201	238	2.57	< 0.2	5	< 10	1.0	< 2	0.48	< 0.5	20	61	56	6.30	10	< 1	0.04	< 10	1.43	575	< 1
CC1+2.5N 5+00E	217	238	2.40	< 0.2	< 5	10	0.5	< 2	1.13	< 0.5	28	79	26	5.40	10	< 1	0.05	< 10	1.52	2370	< 1
CC1+50N 0+50E	217	238	3.56	2.0	< 5	20	< 0.5	< 2	1.27	< 0.5	32	72	77	6.90	< 10	1	0.04	< 10	1.74	2050	< 1
CC1+50N 1+00E	201	238	2.47	1.8	10	30	< 0.5	< 2	0.17	< 0.5	7	30	51	6.33	10	2	0.05	< 10	0.30	292	< 1
CC1+50N 1+50E	201	238	2.51	< 0.2	5	20	< 0.5	< 2	0.45	< 0.5	10	43	62	7.74	10	< 1	0.02	< 10	0.49	509	< 1
CC1+50N 2+00E	201	238	2.97	< 0.2	5	10	< 0.5	< 2	0.22	< 0.5	8	71	128	11.45	10	< 1	0.02	< 10	0.48	328	< 1
CC1+50N 2+50E	201	238	1.55	< 0.2	< 5	10	< 0.5	< 2	0.48	< 0.5	9	39	46	5.29	< 10	< 1	0.04	< 10	0.31	571	< 1
CC1+50N 3+00E	201	238	4.51	< 0.2	5	10	< 0.5	< 2	0.23	< 0.5	19	86	140	8.02	< 10	< 1	0.02	< 10	0.68	1175	< 1
CC1+50N 3+50E	203	238	3.87	< 0.2	15	10	< 0.5	< 2	0.46	< 0.5	21	98	100	7.98	< 10	2	0.05	< 10	0.87	1095	< 1
CC1+50N 4+00E	217	238	0.25	< 0.2	< 5	10	< 0.5	< 2	0.46	< 0.5	2	7	10	0.42	< 10	1	0.17	< 10	0.18	216	< 1
CC1+50N 5+00E	201	238	1.70	< 0.2	< 5	< 10	< 0.5	< 2	0.28	< 0.5	8	69	26	9.91	10	< 1	0.03	< 10	0.19	347	< 1
CC2+00N 0+50E	203	238	3.88	< 0.2	< 5	20	< 0.5	< 2	0.34	< 0.5	26	75	79	8.52	< 10	< 1	0.03	10	0.62	650	< 1
CC2+00N 1+00E	203	238	1.42	< 0.2	10	< 10	< 0.5	< 2	0.29	< 0.5	5	76	35	7.17	< 10	< 1	0.02	< 10	0.14	151	< 1
CC2+00N 1+50E	201	238	2.67	< 0.2	< 5	< 10	< 0.5	< 2	0.25	< 0.5	7	58	86	10.05	10	< 1	0.02	< 10	0.57	289	< 1
CC2+00N 2+50E	217	238	3.03	< 0.2	10	10	< 0.5	< 2	0.92	< 0.5	38	99	72	7.39	< 10	< 1	0.06	< 10	1.94	2720	< 1
CC2+00N 3+00E	201	238	3.42	< 0.2	< 5	< 10	< 0.5	< 2	0.19	< 0.5	8	81	64	10.95	10	2	0.02	< 10	0.50	280	< 1
CC2+00N 3+50E	203	238	3.35	< 0.2	< 5	20	< 0.5	< 2	0.67	< 0.5	31	103	96	8.16	< 10	1	0.04	10	0.95	1625	< 1
CC2+00N 4+00E	217	238	3.00	< 0.2	< 5	< 10	< 0.5	< 2	1.05	0.5	30	98	92	5.92	< 10	< 1	0.05	< 10	2.11	1340	< 1
CC2+00N 4+50E	201	238	2.27	< 0.2	< 5	< 10	< 0.5	< 2	0.20	< 0.5	9	55	34	8.06	10	< 1	0.02	< 10	0.35	326	< 1
CC2+00N 5+00E	201	238	2.14	< 0.2	< 5	10	< 0.5	< 2	0.24	< 0.5	8	55	32	7.93	10	< 1	0.02	< 10	0.40	341	< 1
CC2+50N 0+50E	201	238	1.80	1.0	< 5	20	< 0.5	< 2	0.33	< 0.5	41	27	33	4.58	< 10	< 1	0.05	< 10	0.66	5340	< 1
CC2+50N 1+00E	201	238	2.55	2.2	< 5	10	< 0.5	< 2	0.18	< 0.5	7	90	64	7.45	10	< 1	0.03	< 10	0.52	223	< 1
CC2+50N 1+50E	201	238	1.85	0.8	< 5	10	< 0.5	< 2	0.29	< 0.5	11	55	60	7.24	10	< 1	0.02	< 10	0.51	229	< 1
CC2+50N 2+00E	201	238	4.38	1.4	15	20	< 0.5	< 2	0.85	< 0.5	30	79	380	7.54	< 10	1	0.04	10	0.79	852	< 1
CC2+50N 2+50E	203	238	1.86	1.0	< 5	50	< 0.5	< 2	2.58	1.0	19	81	96	2.16	< 10	2	0.04	< 10	0.29	5080	< 1

CERTIFICATION : _____

Chemex Labs Ltd.
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Project : PHEO DURO
Comments:

Date 9-MAR-88
Invoice # I-8812223
P.O. # :

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC2+50N 3+00E	201	238	2.94	6.2	< 5	20	< 0.5	< 2	0.27	< 0.5	24	75	100	8.68	10	< 1	0.05	< 10	1.16	406	< 1
CC2+50N 3+50E	201	238	3.54	1.0	15	10	< 0.5	< 2	0.25	< 0.5	13	74	100	10.10	< 10	< 1	0.03	< 10	0.59	418	< 1
CC2+50N 4+00E	201	238	2.73	5.0	< 5	10	< 0.5	< 2	1.02	< 0.5	33	57	126	5.19	< 10	2	0.06	< 10	1.95	2010	< 1
CC2+50N 4+50E	201	238	1.85	2.8	< 5	10	< 0.5	< 2	0.37	< 0.5	11	66	41	7.93	< 10	< 1	0.02	< 10	0.54	462	< 1
CC2+50N 5+00E	201	238	2.67	3.8	10	< 10	< 0.5	< 2	0.26	< 0.5	19	89	71	10.10	< 10	< 1	0.02	< 10	0.56	1075	< 1
CC0+00N 0+25W	201	238	5.51	< 0.2	5	30	< 0.5	< 2	0.26	< 0.5	24	60	110	8.05	< 10	< 1	0.04	10	0.95	1430	< 1
CC0+00N 0+50W	201	238	4.10	< 0.2	< 5	20	< 0.5	< 2	0.44	< 0.5	17	49	128	5.95	< 10	1	0.03	10	1.00	730	< 1
CC0+00N 1+00W	201	238	4.01	< 0.2	< 5	10	< 0.5	< 2	0.86	< 0.5	40	75	188	8.53	< 10	< 1	0.03	10	2.63	1670	< 1
CC0+00N 1+25W	203	238	2.97	< 0.2	10	20	< 0.5	< 2	0.72	< 0.5	29	84	81	8.63	< 10	< 1	0.03	< 10	1.57	1640	< 1
CC0+00N 1+50W	201	238	3.23	< 0.2	< 5	10	< 0.5	< 2	1.46	< 0.5	32	54	262	6.96	< 10	< 1	0.05	< 10	2.50	1480	< 1
CC0+00N 1+75W	201	238	3.43	< 0.2	5	20	< 0.5	< 2	1.30	< 0.5	36	56	203	7.33	< 10	2	0.07	10	2.50	1800	< 1
CC0+00N 2+00W	201	238	3.64	< 0.2	< 5	20	< 0.5	< 2	1.42	< 0.5	37	59	269	7.66	< 10	< 1	0.07	10	2.65	1680	< 1
CC0+00N 2+25W	201	238	3.70	< 0.2	< 5	20	< 0.5	< 2	1.34	< 0.5	37	61	205	7.91	< 10	< 1	0.07	10	2.69	1655	< 1
CC0+00N 2+50W	201	238	3.76	< 0.2	10	20	< 0.5	< 2	1.44	< 0.5	38	62	282	7.80	< 10	< 1	0.06	10	2.88	1655	< 1
CC0+00N 2+75W	201	238	3.19	< 0.2	5	10	< 0.5	< 2	1.06	< 0.5	35	54	132	6.81	< 10	< 1	0.05	< 10	2.42	1690	< 1
CC0+00N 3+00W	201	238	3.00	< 0.2	5	40	< 0.5	< 2	1.34	< 0.5	32	50	215	6.34	< 10	< 1	0.06	10	2.22	1575	< 1
CC0+00N 3+25W	201	238	3.28	< 0.2	< 5	20	< 0.5	< 2	1.14	< 0.5	35	57	185	6.98	< 10	< 1	0.05	10	2.43	1550	< 1
CC0+00N 3+50W	201	238	3.19	< 0.2	5	10	< 0.5	< 2	1.07	< 0.5	35	49	209	7.22	< 10	< 1	0.04	10	2.08	1835	< 1
CC0+00N 3+75W	201	238	3.28	< 0.2	5	10	< 0.5	< 2	1.27	< 0.5	34	51	220	7.03	< 10	< 1	0.05	10	2.25	2090	< 1
CC0+00N 4+00W	201	238	2.58	< 0.2	5	< 10	< 0.5	< 2	0.38	< 0.5	26	41	104	7.25	< 10	< 1	0.02	< 10	1.18	1230	< 1
CC0+00N 4+25W	201	238	3.02	< 0.2	5	10	< 0.5	< 2	0.41	< 0.5	33	48	120	8.48	< 10	< 1	0.03	< 10	1.61	1580	< 1
CC0+00N 4+50W	201	238	2.77	< 0.2	5	10	< 0.5	< 2	0.80	< 0.5	29	52	157	6.06	< 10	< 1	0.03	< 10	1.96	1565	< 1
CC0+00N 4+75W	201	238	3.90	< 0.2	< 5	10	< 0.5	< 2	0.41	< 0.5	44	67	164	9.17	< 10	< 1	0.05	< 10	2.06	2480	< 1
CC0+00N 5+00W	201	238	3.47	< 0.2	10	10	< 0.5	< 2	0.71	< 0.5	36	74	191	7.90	< 10	< 1	0.02	10	2.15	1560	< 1
CC BL 0+25N	203	238	3.26	< 0.2	< 5	20	< 0.5	< 2	0.81	< 0.5	26	70	128	6.23	< 10	< 1	0.05	10	1.49	1040	< 1
CC0+2 5N 0+25W	201	238	1.71	< 0.2	< 5	< 10	< 0.5	< 2	0.28	< 0.5	6	23	55	5.27	< 10	< 1	0.02	< 10	0.18	268	< 1
CC0+2 5N 0+50W	201	238	3.10	< 0.2	< 5	10	< 0.5	< 2	0.14	< 0.5	5	29	47	5.15	< 10	< 1	0.03	< 10	0.28	311	< 1
CC0+2 5N 0+75W	201	238	3.56	< 0.2	< 5	20	< 0.5	< 2	0.81	< 0.5	27	45	173	5.11	< 10	< 1	0.04	10	1.57	1350	< 1
CC0+2 5N 1+00W	203	238	3.30	< 0.2	< 5	20	< 0.5	< 2	0.66	< 0.5	37	71	100	7.20	< 10	< 1	0.07	10	1.86	1735	< 1
CC0+2 5N 1+50W	203	238	3.09	< 0.2	< 5	20	< 0.5	< 2	0.78	< 0.5	30	72	74	7.41	< 10	< 1	0.05	10	1.90	1195	< 1
CC0+2 5N 1+75W	217	238	3.29	< 0.2	< 5	10	< 0.5	< 2	1.83	< 0.5	29	74	162	6.58	< 10	< 1	0.05	10	2.39	1070	< 1
CC0+2 5N 2+00W	203	238	3.44	< 0.2	< 5	20	< 0.5	< 2	1.30	< 0.5	31	69	250	6.71	< 10	< 1	0.08	10	2.46	1500	< 1
CC0+2 5N 2+25W	201	238	3.67	< 0.2	< 5	20	< 0.5	< 2	1.30	< 0.5	33	59	336	7.46	< 10	< 1	0.07	10	2.65	1535	< 1
CC0+2 5N 2+50W	201	238	3.60	< 0.2	< 5	10	< 0.5	< 2	1.06	< 0.5	35	56	212	7.27	< 10	< 1	0.05	10	2.49	1600	< 1
CC0+2 5N 2+75W	201	238	3.57	< 0.2	< 5	20	< 0.5	< 2	1.13	< 0.5	33	53	236	7.14	< 10	< 1	0.06	10	2.50	1900	< 1
CC0+2 5N 3+00W	201	238	3.62	< 0.2	< 5	20	< 0.5	< 2	1.14	< 0.5	34	56	252	7.15	< 10	< 1	0.06	10	2.58	1760	< 1
CC0+2 5N 3+25W	217	238	3.39	< 0.2	< 5	10	< 0.5	< 2	1.22	< 0.5	32	69	159	7.11	< 10	< 1	0.06	10	2.45	1420	< 1
CC0+2 5N 3+50W	217	238	3.33	< 0.2	< 5	10	< 0.5	< 2	1.31	< 0.5	31	69	158	7.15	< 10	< 1	0.07	10	2.45	1350	< 1
CC0+2 5N 3+75W	203	238	3.57	< 0.2	< 5	20	< 0.5	< 2	1.24	< 0.5	34	69	156	7.44	< 10	< 1	0.07	10	2.37	1830	< 1
CC0+2 5N 4+00W	201	238	3.20	< 0.2	< 5	20	< 0.5	< 2	0.50	< 0.5	38	51	143	8.36	< 10	< 1	0.04	< 10	1.35	2870	< 1

CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project : PULO DURO
Comments:

Date : 9-MAR-88
Invoice # : I-8812223
P.O. # :

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CCD+2.5N 4+25W	201	238	3.62	< 0.2	< 5	10	1.0	< 2	1.03	< 0.5	36	70	251	7.33	10	< 1	0.04	10	2.45	2070	< 1
CCD+2.5N 4+50W	201	238	3.63	< 0.2	< 5	10	1.5	< 2	1.04	< 0.5	35	69	248	7.54	10	< 1	0.04	10	2.36	2140	< 1
CCD+2.5N 4+75W	201	238	3.27	< 0.2	< 5	10	< 0.5	< 2	0.89	< 0.5	40	68	116	7.60	10	< 1	0.04	10	2.08	1810	< 1
CCD+2.5N 5+00W	201	238	4.22	< 0.2	< 5	10	1.0	< 2	0.94	< 0.5	42	86	189	8.82	10	< 1	0.03	10	2.64	1765	< 1
CC BL 0+50N	201	238	4.06	< 0.2	< 5	10	0.5	< 2	0.30	< 0.5	22	63	81	7.47	< 10	< 1	0.01	< 10	0.64	996	< 1
CCD+50N 0+25W	203	238	4.18	< 0.2	5	20	0.5	< 2	0.23	< 0.5	17	61	48	7.15	< 10	< 1	0.03	< 10	0.56	1015	< 1
CCD+50N 0+50W	201	238	3.15	< 0.2	< 5	30	< 0.5	< 2	0.11	< 0.5	6	24	46	5.76	10	< 1	0.02	< 10	0.29	290	< 1
CCD+50N 0+75W	217	238	3.40	< 0.2	< 5	10	< 0.5	< 2	0.95	< 0.5	28	63	85	5.51	10	< 1	0.04	10	1.59	941	< 1
CCD+50N 1+00W	201	238	4.93	< 0.2	10	20	< 0.5	< 2	0.59	0.5	43	62	201	7.19	10	< 1	0.03	10	1.09	1555	< 1
CCD+50N 1+50W	217	238	3.88	< 0.2	< 5	10	< 0.5	< 2	1.16	< 0.5	36	89	162	7.50	< 10	< 1	0.04	10	2.54	1280	< 1
CCD+50N 1+75W	217	238	3.84	< 0.2	< 5	10	< 0.5	< 2	1.66	< 0.5	34	92	216	7.79	< 10	< 1	0.06	10	3.01	1310	< 1
CCD+50N 2+00W	201	238	3.64	< 0.2	< 5	10	< 0.5	< 2	1.37	< 0.5	34	59	289	7.26	10	< 1	0.04	10	2.70	1550	< 1
CCD+50N 2+50W	201	238	3.74	< 0.2	< 5	10	< 0.5	< 2	1.28	< 0.5	36	65	266	7.53	10	< 1	0.06	10	2.74	1715	< 1
CCD+50N 2+75W	201	238	3.59	< 0.2	< 5	20	< 0.5	< 2	1.32	< 0.5	35	61	275	7.23	10	< 1	0.06	10	2.67	1585	< 1
CCD+50N 3+00W	203	238	3.26	< 0.2	< 5	20	< 0.5	< 2	1.45	< 0.5	31	71	241	6.53	10	< 1	0.06	10	2.40	1370	< 1
CCD+50N 3+25W	203	238	3.28	< 0.2	< 5	20	< 0.5	< 2	1.39	< 0.5	31	62	179	6.85	10	< 1	0.08	10	2.18	1830	< 1
CCD+50N 3+50W	217	238	3.19	< 0.2	5	10	< 0.5	< 2	1.43	< 0.5	33	54	141	7.26	< 10	< 1	0.06	10	2.17	1810	< 1
CCD+50N 3+75W	201	238	3.73	< 0.2	< 5	20	< 0.5	< 2	0.99	< 0.5	38	54	197	7.75	< 10	< 1	0.05	10	2.35	2330	< 1
CCD+50N 4+00W	203	238	3.53	< 0.2	< 5	10	< 0.5	< 2	0.47	< 0.5	41	67	149	9.70	< 10	< 1	0.06	< 10	1.58	2520	< 1
CCD+50N 4+25W	201	238	3.30	< 0.2	< 5	10	< 0.5	< 2	0.71	< 0.5	39	64	107	8.21	< 10	< 1	0.04	< 10	1.88	2150	< 1
CCD+50N 4+50W	201	238	3.44	< 0.2	< 5	10	< 0.5	< 2	0.81	< 0.5	36	70	169	7.36	10	< 1	0.03	10	2.24	1800	< 1
CCD+50N 4+75W	217	238	3.75	< 0.2	< 5	10	< 0.5	< 2	1.15	< 0.5	36	94	136	7.79	10	< 1	0.05	10	2.61	1460	< 1
CCD+50N 5+00W	201	238	4.01	< 0.2	< 5	10	< 0.5	< 2	0.67	< 0.5	40	69	229	8.71	10	< 1	0.03	10	2.32	1610	< 1
CC BL 0+75N	201	238	3.34	< 0.2	< 5	< 10	< 0.5	< 2	0.31	< 0.5	19	54	80	7.35	10	< 1	0.02	< 10	0.47	1080	< 1
CCD+7.5N 0+25W	201	238	2.66	< 0.2	< 5	20	< 0.5	< 2	0.25	< 0.5	6	48	47	8.59	20	< 1	0.02	< 10	0.31	471	< 1
CCD+7.5N 0+50W	201	238	2.43	< 0.2	5	30	< 0.5	< 2	0.30	< 0.5	13	24	45	5.67	20	< 1	0.04	< 10	0.42	730	< 1
CCD+7.5N 0+75W	203	238	3.43	< 0.2	5	30	< 0.5	< 2	0.68	< 0.5	34	79	102	8.22	20	< 1	0.06	10	0.92	1775	< 1
CCD+7.5N 1+00W	217	238	3.87	2.0	5	20	< 0.5	< 2	1.38	< 0.5	26	68	127	5.88	20	< 1	0.04	10	1.95	889	< 1
CCD+7.5N 1+25W	217	238	3.19	< 0.2	< 5	30	< 0.5	< 2	1.57	< 0.5	29	57	116	5.56	20	< 1	0.08	10	1.89	1220	< 1
CCD+7.5N 1+75W	217	238	2.92	< 0.2	< 5	30	< 0.5	< 2	1.28	< 0.5	24	68	92	5.38	20	< 1	0.07	10	1.70	1155	< 1
CCD+7.5N 2+00W	203	238	3.39	< 0.2	< 5	20	< 0.5	< 2	1.55	< 0.5	32	79	209	6.85	10	< 1	0.08	10	2.43	1380	< 1
CCD+7.5N 2+25W	203	238	3.75	2.2	5	20	< 0.5	< 2	1.51	< 0.5	35	79	275	7.38	10	< 1	0.09	10	2.72	1530	< 1
CCD+7.5N 3+00W	217	238	3.18	4.4	< 5	10	< 0.5	< 2	1.58	2.5	31	60	135	6.92	10	< 1	0.05	10	2.34	1260	< 1
CCD+7.5N 3+25W	201	238	3.80	0.4	< 5	10	1.0	< 2	0.53	< 0.5	41	51	265	8.63	< 10	< 1	0.03	10	1.87	1885	< 1
CCD+7.5N 3+50W	203	238	3.98	< 0.2	5	20	1.0	< 2	0.46	< 0.5	43	74	147	9.15	< 10	< 1	0.06	< 10	1.60	2670	< 1
CCD+7.5N 3+75W	203	238	4.10	< 0.2	< 5	20	< 0.5	< 2	0.86	< 0.5	38	97	275	9.08	10	< 1	0.04	10	2.04	2090	< 1
CCD+7.5N 4+25W	201	238	3.56	< 0.2	< 5	20	0.5	< 2	1.07	< 0.5	38	85	180	7.64	10	< 1	0.06	10	2.24	2290	< 1
CCD+7.5N 4+50W	203	238	4.32	< 0.2	< 5	20	< 0.5	< 2	0.52	< 0.5	47	82	185	9.65	10	< 1	0.04	10	1.90	2550	< 1
CCD+7.5N 4+75W	203	238	2.93	< 0.2	< 5	10	0.5	< 2	0.34	< 0.5	32	69	86	9.60	10	< 1	0.03	< 10	1.24	2610	< 1
CC BL 1+00N	201	238	2.61	< 0.2	< 5	10	1.0	< 2	0.31	< 0.5	8	51	70	7.03	10	< 1	0.03	< 10	0.51	364	< 1

CERTIFICATION :

Chemex Labs Ltd.
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LAROCH ENGINEERING LTD.
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V2C 2T5

Project : PULO DORO
Comments:

Date 9-MAR-88
Invoice # I-8812223
P.O. #

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC1+00N 0+25W	217	238	3.77	< 0.2	10	30	< 0.5	< 2	0.75	< 0.5	27	77	95	6.71	10	< 1	0.05	10	1.21	1310	2
CC1+00N 0+50W	217	238	2.70	< 0.2	< 5	40	< 0.5	< 2	0.32	< 0.5	12	48	47	5.26	10	< 1	0.08	< 10	0.64	525	< 1
CC1+00N 0+75W	203	238	3.32	< 0.2	< 5	30	< 0.5	< 2	0.23	< 0.5	9	46	56	6.76	10	< 1	0.06	< 10	0.37	522	< 1
CC1+00N 1+25W	201	238	6.44	< 0.2	45	30	< 0.5	< 2	0.15	< 0.5	14	73	151	8.87	< 10	< 1	0.04	< 10	0.84	484	< 1
CC1+00N 1+50W	201	238	1.95	< 0.2	< 5	10	< 0.5	< 2	0.11	< 0.5	2	8	19	4.71	10	< 1	0.01	< 10	0.17	142	< 1
CC1+00N 2+00W	201	238	3.79	< 0.2	< 5	10	< 0.5	< 2	1.23	< 0.5	36	63	241	7.52	20	< 1	0.05	10	2.75	1600	< 1
CC1+00N 2+50W	203	238	3.55	< 0.2	< 5	20	< 0.5	< 2	1.30	< 0.5	34	74	159	7.37	10	< 1	0.09	10	2.51	1720	< 1
CC1+00N 2+75W	201	238	3.71	< 0.2	< 5	10	< 0.5	< 2	1.03	< 0.5	39	58	280	7.86	10	< 1	0.06	10	2.49	2860	< 1
CC1+00N 3+00W	217	238	2.93	< 0.2	< 5	10	< 0.5	< 2	0.98	< 0.5	28	58	70	8.07	10	< 1	0.02	10	1.32	1195	< 1
CC1+00N 3+25W	217	238	2.87	< 0.2	< 5	10	0.5	< 2	0.77	< 0.5	24	56	86	8.04	20	< 1	0.03	10	1.69	1080	< 1
CC1+00N 3+50W	201	238	3.75	< 0.2	< 5	10	< 0.5	< 2	0.26	< 0.5	30	68	143	10.85	< 10	< 1	0.02	< 10	1.22	1825	1
CC1+00N 4+00W	201	238	3.30	< 0.2	< 5	10	< 0.5	< 2	0.76	< 0.5	37	66	154	7.51	10	< 1	0.02	10	2.04	1830	< 1
CC1+00N 4+25W	201	238	3.66	< 0.2	< 5	10	< 0.5	< 2	1.03	< 0.5	39	66	244	7.77	10	< 1	0.04	10	2.46	2500	< 1
CC1+00N 4+50W	201	238	3.07	< 0.2	< 5	10	< 0.5	< 2	0.51	< 0.5	35	59	141	9.01	< 10	< 1	0.04	< 10	1.61	1785	< 1
CC1+00N 4+75W	217	238	2.70	< 0.2	< 5	10	< 0.5	< 2	0.46	< 0.5	25	69	54	8.67	20	< 1	0.04	< 10	1.35	970	< 1
CC1+00N 5+00W	201	238	3.10	< 0.2	< 5	20	< 0.5	< 2	0.36	< 0.5	26	59	105	8.83	10	< 1	0.03	< 10	1.17	1475	< 1
CC BL 1+25N	217	238	3.17	< 0.2	< 5	10	< 0.5	< 2	0.77	< 0.5	29	75	74	6.28	10	< 1	0.03	10	1.64	1060	< 1
CC1+25N 0+25W	217	238	3.84	0.6	15	20	< 0.5	< 2	0.56	< 0.5	33	87	109	5.67	10	< 1	0.02	< 10	0.94	2230	2
CC1+25N 0+50W	201	238	3.42	0.4	< 5	30	< 0.5	< 2	0.21	< 0.5	20	44	82	7.86	10	< 1	0.03	< 10	0.46	1100	2
CC1+25N 0+75W	201	238	3.11	5.2	< 5	20	< 0.5	< 2	0.11	< 0.5	12	39	58	7.86	10	< 1	0.02	< 10	0.25	1095	2
CC1+25N 1+00W	201	238	2.88	4.6	< 5	30	< 0.5	< 2	0.43	< 0.5	12	30	62	7.50	10	< 1	0.05	< 10	0.70	1025	< 1
CC1+25N 1+25W	201	238	5.26	3.4	30	40	2.5	< 2	0.30	< 0.5	26	43	166	6.00	< 10	< 1	0.05	< 10	0.64	2050	2
CC1+25N 1+50W	201	238	3.64	2.6	65	10	< 0.5	< 2	0.13	< 0.5	15	51	84	10.60	10	< 1	0.01	< 10	0.48	844	1
CC1+25N 1+75W	217	238	3.46	1.2	< 5	20	< 0.5	< 2	0.68	< 0.5	29	80	80	6.89	10	< 1	0.03	10	2.63	1185	< 1
CC1+25N 2+75W	201	238	3.73	6.8	< 5	20	< 0.5	< 2	1.33	< 0.5	35	57	257	7.38	10	< 1	0.05	10	2.81	1610	< 1
CC1+25N 3+00W	203	238	3.62	6.0	< 5	20	< 0.5	< 2	1.30	< 0.5	32	72	202	7.32	10	< 1	0.09	10	2.56	1670	< 1
CC1+25N 3+25W	203	238	3.37	12.2	< 5	10	< 0.5	< 2	1.18	< 0.5	34	65	209	7.23	10	< 1	0.07	10	2.22	2110	< 1
CC1+25N 3+50W	217	238	2.54	2.6	< 5	10	< 0.5	< 2	0.81	< 0.5	28	56	68	7.11	10	< 1	0.04	10	1.62	1845	< 1
CC1+25N 3+75W	217	238	2.30	3.4	< 5	10	< 0.5	< 2	0.60	< 0.5	21	50	51	7.11	< 10	< 1	0.02	< 10	1.17	1490	< 1
CC1+25N 4+00W	217	238	0.29	0.2	< 5	< 10	< 0.5	< 2	0.27	< 0.5	2	3	16	0.52	< 10	< 1	0.03	< 10	0.15	89	< 1
CC1+25N 4+50W	217	238	2.06	0.8	< 5	< 10	< 0.5	< 2	1.07	< 0.5	18	36	132	5.33	< 10	< 1	0.03	10	1.51	541	< 1
CC1+25N 4+75W	201	238	4.07	11.8	< 5	10	< 0.5	< 2	1.17	< 0.5	38	65	290	8.09	< 10	< 1	0.04	10	2.83	2170	< 1
CC1+25N 5+00W	201	238	4.51	1.6	< 5	10	< 0.5	< 2	0.39	< 0.5	50	64	251	10.25	< 10	< 1	0.01	< 10	1.99	2270	1
CC BL 1+50N	217	238	4.16	0.2	5	10	< 0.5	< 2	1.00	< 0.5	38	94	101	6.47	< 10	< 1	0.02	10	1.70	1585	< 1
CC1+50N 0+25W	217	238	2.93	0.4	< 5	20	< 0.5	< 2	0.75	< 0.5	27	58	74	5.69	< 10	< 1	0.03	10	1.22	2720	< 1
CC1+50N 0+50W	201	238	4.41	2.0	< 5	10	< 0.5	< 2	0.31	< 0.5	32	67	209	8.97	< 10	< 1	< 0.01	10	0.75	1050	1
CC1+50N 0+75W	201	238	5.68	3.2	5	10	< 0.5	< 2	0.24	< 0.5	11	37	155	7.63	< 10	< 1	< 0.01	< 10	0.54	498	2
CC1+50N 1+00W	217	238	3.21	1.4	< 5	70	< 0.5	< 2	0.53	< 0.5	154	32	84	5.02	10	< 1	0.05	10	0.65	>10000	2
CC1+50N 1+25W	201	238	4.02	3.0	< 5	10	< 0.5	< 2	0.25	< 0.5	11	61	100	9.40	< 10	< 1	< 0.01	< 10	0.47	777	2
CC1+50N 1+50W	201	238	3.57	1.8	< 5	10	< 0.5	< 2	0.36	< 0.5	17	64	100	10.35	< 10	< 1	< 0.01	< 10	1.37	867	< 1

CERTIFICATION :

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Project : PILO DURO
Comments:

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC1+50N 1+75W	201	238	4.33	3.0	< 5	10	1.0	< 2	0.42	< 0.5	28	74	187	11.55	10	< 1	0.01	< 10	1.82	778	< 1
CC1+50N 2+00W	201	238	3.40	3.8	< 5	10	1.0	< 2	1.20	< 0.5	32	51	250	7.04	10	< 1	0.04	10	2.63	1390	< 1
CC1+50N 2+25W	201	238	2.93	5.2	< 5	10	0.5	< 2	0.82	< 0.5	37	44	157	7.42	10	< 1	0.04	10	2.03	1845	< 1
CC1+50N 2+50W	201	238	1.82	3.2	< 5	10	0.5	< 2	0.90	< 0.5	19	27	109	3.63	< 10	< 1	0.06	< 10	1.22	1320	< 1
CC1+50N 2+75W	201	238	3.22	2.0	< 5	20	1.5	< 2	0.77	< 0.5	34	45	208	7.07	< 10	< 1	0.05	10	1.86	2680	< 1
CC1+50N 3+00W	201	238	3.79	4.4	< 5	10	1.0	< 2	0.97	< 0.5	35	53	187	7.05	10	< 1	0.04	10	2.75	1650	< 1
CC1+50N 3+25W	201	238	3.10	1.8	< 5	10	0.5	< 2	0.37	< 0.5	23	60	120	8.86	10	< 1	0.03	< 10	1.41	1575	< 1
CC1+50N 3+50W	201	238	3.59	0.8	< 5	10	1.0	< 2	0.22	< 0.5	25	65	107	11.35	10	< 1	0.01	< 10	0.85	1545	< 1
CC1+50N 3+75W	201	238	2.54	1.4	< 5	10	< 0.5	< 2	0.50	< 0.5	17	53	81	7.30	10	< 1	0.01	< 10	1.17	1005	< 1
CC1+50N 4+00W	201	238	3.13	0.8	< 5	10	< 0.5	< 2	0.45	< 0.5	25	55	150	7.91	10	< 1	0.02	< 10	1.32	1525	< 1
CC1+50N 4+50W	203	238	3.77	1.4	< 5	20	< 0.5	< 2	1.41	< 0.5	34	84	182	7.65	10	< 1	0.05	10	2.68	1620	< 1
CC1+50N 4+75W	217	238	2.41	0.6	< 5	10	< 0.5	< 2	0.94	< 0.5	23	55	72	5.76	10	< 1	0.06	10	1.56	878	< 1
CC1+50N 5+00W	201	238	3.53	5.2	< 5	10	1.0	< 2	0.48	< 0.5	38	58	140	9.16	10	< 1	0.03	< 10	1.97	1500	< 1
CC BL 1+75N	217	238	3.76	< 0.2	< 5	20	0.5	< 2	0.91	< 0.5	30	70	83	5.41	< 10	< 1	0.01	10	2.23	2920	< 1
CC1+75N 0+25W	203	238	5.82	< 0.2	< 5	30	< 0.5	< 2	0.45	0.5	30	135	193	6.48	10	< 1	0.03	10	0.77	4700	3
CC1+75N 0+50W	217	238	3.78	< 0.2	< 5	10	< 0.5	< 2	0.97	< 0.5	31	57	105	7.07	10	< 1	0.02	10	1.56	1995	1
CC1+75N 0+75W	203	238	4.36	< 0.2	< 5	10	< 0.5	< 2	0.54	< 0.5	22	77	162	7.05	< 10	< 1	0.02	< 10	1.23	838	< 1
CC1+75N 1+00W	217	238	4.43	< 0.2	< 5	10	< 0.5	< 2	0.21	< 0.5	15	71	107	9.40	< 10	< 1	< 0.01	< 10	0.52	902	1
CC1+75N 1+25W	201	238	2.54	< 0.2	< 5	< 10	< 0.5	< 2	0.25	< 0.5	9	51	75	8.77	< 10	< 1	< 0.01	< 10	0.87	403	< 1
CC1+75N 1+50W	217	238	3.62	< 0.2	< 5	10	< 0.5	< 2	0.87	< 0.5	33	75	125	7.43	< 10	< 1	0.01	10	2.59	1275	< 1
CC1+75N 1+75W	217	238	3.03	< 0.2	< 5	10	< 0.5	< 2	0.63	< 0.5	19	80	83	8.52	< 10	< 1	0.01	< 10	1.73	744	< 1
CC1+75N 2+25W	217	238	3.58	< 0.2	< 5	10	< 0.5	< 2	1.55	< 0.5	32	74	175	7.34	< 10	< 1	0.05	10	2.74	1200	< 1
CC1+75N 2+50W	217	238	3.57	< 0.2	< 5	10	< 0.5	< 2	1.54	< 0.5	33	70	148	7.56	< 10	< 1	0.03	10	2.75	1385	< 1
CC1+75N 2+75W	217	238	2.81	< 0.2	< 5	10	< 0.5	< 2	0.72	< 0.5	28	48	65	7.80	< 10	< 1	0.02	< 10	1.77	1350	< 1
CC1+75N 3+00W	217	238	2.99	< 0.2	< 5	10	< 0.5	< 2	0.49	< 0.5	21	67	64	8.84	< 10	< 1	0.02	< 10	1.27	896	< 1
CC1+75N 3+25W	217	238	3.30	< 0.2	< 5	10	< 0.5	< 2	0.66	< 0.5	31	68	116	7.61	< 10	< 1	0.02	< 10	1.94	1845	< 1
CC1+75N 3+50W	201	238	3.67	< 0.2	< 5	20	< 0.5	< 2	0.96	< 0.5	36	64	247	7.57	< 10	< 1	0.02	10	2.28	2240	< 1
CC1+75N 3+75W	201	238	4.72	< 0.2	< 5	10	< 0.5	< 2	0.66	< 0.5	45	65	371	7.81	< 10	< 1	0.02	10	2.30	1530	< 1
CC1+75N 4+00W	201	238	3.36	< 0.2	< 5	10	< 0.5	< 2	0.79	< 0.5	34	58	185	7.20	< 10	< 1	0.02	10	1.84	2300	< 1
CC1+75N 4+25W	201	238	3.75	< 0.2	< 5	10	< 0.5	< 2	1.05	< 0.5	35	65	211	7.33	< 10	< 1	0.02	10	2.46	1880	< 1
CC1+75N 4+50W	201	238	4.46	< 0.2	< 5	10	< 0.5	< 2	0.54	< 0.5	39	63	334	8.82	< 10	< 1	0.02	10	2.11	1805	< 1
CC1+75N 5+00W	201	238	3.68	< 0.2	< 5	10	< 0.5	< 2	0.94	< 0.5	37	57	153	7.77	< 10	< 1	0.04	10	2.38	1985	< 1
CC BL 2+00N	201	238	1.23	< 0.2	< 5	< 10	< 0.5	< 2	0.25	< 0.5	5	1	20	3.13	< 10	< 1	0.01	< 10	0.17	154	1
CC2+00N 0+25W	201	238	3.06	< 0.2	< 5	10	< 0.5	< 2	0.27	< 0.5	12	51	67	7.62	< 10	< 1	0.02	< 10	0.63	1500	1
CC2+00N 0+50W	201	238	3.18	< 0.2	5	10	< 0.5	< 2	0.26	< 0.5	24	33	50	7.37	< 10	< 1	0.02	< 10	0.65	2470	1
CC2+00N 0+75W	201	238	4.02	< 0.2	< 5	10	< 0.5	< 2	0.29	< 0.5	20	52	124	7.08	< 10	< 1	0.01	< 10	0.94	1125	< 1
CC2+00N 1+00W	201	238	2.93	< 0.2	< 5	< 10	< 0.5	< 2	0.23	< 0.5	7	44	70	8.87	< 10	< 1	0.01	< 10	0.56	652	< 1
CC2+00N 1+25W	217	238	3.76	< 0.2	< 5	10	< 0.5	< 2	0.57	< 0.5	22	60	148	6.45	< 10	< 1	0.02	< 10	1.38	837	1
CC2+00N 1+50W	201	238	4.02	< 0.2	< 5	10	< 0.5	< 2	0.64	< 0.5	38	73	146	9.29	< 10	< 1	< 0.01	< 10	2.58	1415	< 1
CC2+00N 1+75W	201	238	4.09	< 0.2	< 5	10	< 0.5	< 2	0.98	< 0.5	39	75	253	8.17	< 10	< 1	0.02	10	2.90	1925	< 1

CERTIFICATION :

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Project : PULO DURO
Comments:

Date 9-MAR-88
Invoice # I-8812223
P.O. #

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC2+00N 2+00W	201	238	3.57	< 0.2	5	10	< 0.5	< 2	0.47	< 0.5	32	63	138	9.09	< 10	< 1	0.01	< 10	1.83	1285	1
CC2+00N 2+25W	201	238	3.56	< 0.2	< 5	10	< 0.5	< 2	1.25	< 0.5	33	52	248	7.01	10	< 1	0.04	10	2.67	1565	< 1
CC2+00N 3+00W	217	238	2.99	< 0.2	< 5	10	< 0.5	< 2	1.49	< 0.5	28	47	130	6.37	< 10	< 1	0.05	10	2.10	1575	< 1
CC2+00N 3+25W	201	238	3.54	< 0.2	< 5	10	< 0.5	< 2	0.62	< 0.5	39	54	127	8.38	< 10	< 1	0.04	< 10	1.94	2980	< 1
CC2+00N 3+50W	201	238	4.77	< 0.2	< 5	20	< 0.5	< 2	0.31	< 0.5	29	72	235	9.61	< 10	< 1	0.01	< 10	1.59	1010	< 1
CC2+00N 3+75W	201	238	2.30	< 0.2	< 5	< 10	< 0.5	< 2	0.30	< 0.5	10	52	59	9.66	10	< 1	0.02	< 10	0.52	991	< 1
CC2+00N 4+00W	201	238	3.91	< 0.2	< 5	10	< 0.5	< 2	0.20	< 0.5	22	57	173	10.90	< 10	< 1	0.02	< 10	0.79	1220	< 1
CC2+00N 4+25W	217	238	2.50	< 0.2	< 5	10	< 0.5	< 2	0.64	< 0.5	19	44	82	8.02	< 10	< 1	0.03	< 10	1.09	1060	< 1
CC2+00N 4+50W	217	238	2.82	< 0.2	< 5	10	< 0.5	< 2	1.11	< 0.5	28	65	94	6.67	< 10	< 1	0.04	10	1.84	947	< 1
CC2+00N 4+75W	201	238	3.29	< 0.2	< 5	10	< 0.5	< 2	0.43	< 0.5	23	64	113	8.76	< 10	< 1	0.02	< 10	1.66	846	< 1
CC2+00N 5+00W	201	238	3.51	< 0.2	< 5	20	< 0.5	< 2	1.03	< 0.5	34	61	191	7.12	< 10	< 1	0.05	10	2.54	1860	< 1
CC BL 2+25N	201	238	3.10	< 0.2	5	10	< 0.5	< 2	0.25	< 0.5	25	54	119	7.17	< 10	< 1	0.01	< 10	0.95	2370	< 1
CC2+2 5N 0+50W	201	238	3.82	< 0.2	< 5	20	< 0.5	< 2	0.27	< 0.5	39	37	80	7.48	< 10	< 1	0.02	< 10	0.72	2760	1
CC2+2 5N 1+00W	201	238	5.53	< 0.2	< 5	10	< 0.5	< 2	0.25	< 0.5	15	43	76	9.49	< 10	< 1	0.01	< 10	0.75	1345	2
CC2+2 5N 1+50W	201	238	3.61	< 0.2	< 5	10	< 0.5	< 2	0.72	< 0.5	35	64	175	7.93	< 10	< 1	0.01	< 10	2.23	1095	2
CC2+2 5N 2+00W	201	238	2.53	< 0.2	< 5	10	< 0.5	< 2	0.41	< 0.5	13	45	90	8.61	< 10	< 1	0.02	< 10	1.07	434	< 1
CC2+2 5N 2+50W	201	238	3.87	< 0.2	< 5	20	< 0.5	< 2	1.23	< 0.5	35	59	273	7.75	< 10	< 1	0.05	10	2.77	1735	< 1
CC2+2 5N 3+00W	203	238	3.64	< 0.2	< 5	10	< 0.5	< 2	0.67	< 0.5	38	102	158	8.31	< 10	< 1	0.04	10	1.79	2330	< 1
CC2+2 5N 3+50W	203	238	3.86	< 0.2	< 5	10	< 0.5	< 2	0.46	< 0.5	31	79	221	8.74	< 10	< 1	0.02	< 10	1.60	1460	< 1
CC2+2 5N 4+00W	201	238	0.70	< 0.2	< 5	< 10	< 0.5	< 2	0.26	< 0.5	1	12	22	4.90	< 10	< 1	0.01	< 10	0.14	304	< 1
CC2+2 5N 4+50W	203	238	1.41	< 0.2	< 5	< 10	< 0.5	< 2	0.21	< 0.5	1	63	41	7.44	< 10	< 1	0.03	< 10	0.21	343	< 1
CC2+2 5N 5+00W	201	238	3.60	< 0.2	< 5	10	< 0.5	< 2	1.06	< 0.5	40	66	157	8.09	< 10	< 1	0.06	10	2.37	1670	< 1
CC BL 2+50N	201	238	2.72	< 0.2	< 5	20	< 0.5	< 2	0.24	< 0.5	31	59	94	6.58	< 10	< 1	0.02	< 10	0.92	4250	1
CC2+50N 0+50W	201	238	2.47	2.2	< 5	30	< 0.5	< 2	0.49	< 0.5	23	65	51	5.28	< 10	< 1	0.08	< 10	1.28	1235	< 1
CC2+50N 1+00W	201	238	2.34	2.4	< 5	20	< 0.5	< 2	0.29	< 0.5	11	5	35	5.20	< 10	1	0.03	< 10	0.38	1305	1
CC2+50N 1+50W	201	238	4.44	3.0	5	10	< 0.5	< 2	0.83	< 0.5	45	87	241	9.72	< 10	2	0.01	< 10	2.87	1360	1
CC2+50N 2+00W	201	238	3.55	2.4	< 5	10	< 0.5	< 2	1.19	< 0.5	33	57	192	6.62	< 10	2	0.03	10	2.42	1160	< 1
CC2+50N 2+50W	201	238	3.92	1.2	< 5	20	< 0.5	< 2	1.35	< 0.5	38	59	339	7.92	< 10	2	0.06	10	2.72	2040	2
CC2+50N 3+00W	217	238	3.26	1.8	< 5	10	< 0.5	< 2	0.78	< 0.5	43	73	106	9.76	< 10	< 1	0.03	10	1.62	3560	< 1
CC2+50N 3+50W	201	238	2.63	3.2	5	10	< 0.5	< 2	0.22	< 0.5	8	59	57	10.20	< 10	1	0.02	< 10	0.66	748	< 1
CC2+50N 4+00W	201	238	1.23	3.2	< 5	< 10	< 0.5	< 2	0.24	< 0.5	13	21	39	7.48	< 10	< 1	0.04	< 10	0.24	2470	< 1
CC2+50N 4+50W	201	238	1.57	1.6	< 5	< 10	< 0.5	< 2	0.35	< 0.5	10	21	42	8.83	< 10	1	0.02	< 10	0.42	994	< 1
CC2+50N 5+00W	201	238	3.66	5.8	< 5	20	< 0.5	< 2	1.46	< 0.5	36	68	304	7.46	< 10	1	0.06	10	2.54	2080	< 1
CC BL 2+75N	203	238	3.25	< 0.2	< 5	30	< 0.5	< 2	0.42	< 0.5	22	109	64	8.27	< 10	2	0.08	< 10	1.05	2490	1
CC2+75N 0+50W	217	238	2.91	< 0.2	< 5	< 10	< 0.5	< 2	0.59	< 0.5	28	89	61	7.70	< 10	< 1	0.04	< 10	1.72	1610	< 1
CC2+75N 1+00W	201	238	2.36	< 0.2	< 5	< 10	< 0.5	< 2	0.15	< 0.5	< 1	56	94	13.00	< 10	1	0.01	< 10	0.19	136	< 1
CC2+75N 1+50W	201	238	3.98	< 0.2	< 5	20	< 0.5	< 2	0.77	< 0.5	39	76	122	9.38	< 10	2	0.01	10	2.41	1420	< 1
CC2+75N 2+00W	203	238	3.78	< 0.2	< 5	30	< 0.5	< 2	1.53	< 0.5	34	81	484	7.48	< 10	1	0.10	10	2.47	2010	< 1
CC2+75N 2+50W	203	238	4.16	< 0.2	< 5	10	< 0.5	< 2	0.30	< 0.5	30	76	133	9.67	< 10	< 1	0.03	< 10	0.95	1240	< 1
CC2+75N 3+00W	217	238	2.90	< 0.2	< 5	10	< 0.5	< 2	0.49	< 0.5	34	49	76	9.39	< 10	< 1	0.02	< 10	1.18	2680	< 1

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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EAROTH ENGINEERING LTD
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VANCOUVER, BC
V2C 2T5
Project : PUCO IRIRO
Comments:

Date 9-MAR 88
Invoice # : I-8812223
P.O. # :

CERTIFICATE OF ANALYSIS A8812223

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CC2+75N 3+50W	217	238	3.42	< 0.2	< 5	10	< 0.5	< 2	0.65	< 0.5	32	52	150	8.67	< 10	< 1	0.03	< 10	1.49	1375	< 1
CC2+75N 4+00W	217	238	2.09	< 0.2	< 5	< 10	< 0.5	< 2	0.51	< 0.5	20	48	51	8.98	< 10	< 1	0.02	< 10	0.76	1115	< 1
CC2+75N 5+00W	217	238	3.70	< 0.2	< 5	10	< 0.5	< 2	1.57	< 0.5	33	81	177	7.82	< 10	1	0.05	10	2.78	1270	< 1

CERTIFICATION :

APPENDIX B

SAMPLE DESCRIPTION

APPENDIX B - ROCK SAMPLE DESCRIPTIONS

SAMPLE #	WIDTH	DESCRIPTION
21613	2.1m	Chip sample across shear zone composed of sericitized, rusty volcanic with numerous narrow milky quartz veins bearing little visible mineralization. Sample collected 15 meters north of Creek Showing occurrence. **Au: 0.006 oz/t** **Ag: <0.01 oz/t**
21614	30cm	Chip sample across quartz vein at Creek Showing. Sample collected before blasting. **Au: 0.137 oz/t** **Ag: <0.01 oz/t**
21615	10cm	Chip sample across narrow section of quartz vein at Creek Showing. Sample collected before blasting. **Au: 0.018 oz/t** **Ag: <0.01 oz/t**
21616	n/a	Carbonate bearing quartz float collected approximately 25 meters south of the Creek Showing vein occurrence. **Au: 0.003 oz/t** **Ag: <0.01 oz/t**
21617	n/a	Milky quartz float collected approximately 30 meters south of the Creek Showing vein from within the creek. Less than 1% sulfides. **Au: 0.149 oz/t** **Ag: <0.01 oz/t**
21618	n/a	Quartz float occurs as ½" stringer in altered volcanic with ≤ 1% sulfides. Collected at station 0+50N-1+75W in slide covered area. **Au: 0.002 oz/t** **Ag: 0.01 oz/t**
21619	8cm	Chip sample from 20cm x 8cm quartz lens within shear zone. Collected at portal of 1000' adit at ABCO mine. No visible sulfides. **Au: 0.017 oz/t** **Ag: 0.03 oz/t**
21620	n/a	Quartz vein (2.5 cm) in altered volcanic collected from float 50 meters west of ABCO 1000' adit. **Au: 0.005 oz/t** **Ag: 0.01 oz/t**
21621	n/a	Green stained, chloritic quartz float collected at station 1+25N-2+25W. **Au: 0.002 oz/t** **Ag: 0.01 oz/t**

SAMPLE #	WIDTH	DESCRIPTION
21622	n/a	Quartz vein in greenstone float collected at station 2+00N-2+38W. Vein chloritic. **Au: 0.002 oz/t** **Ag: <0.01 oz/t**
21623	10cm	Quartz from 10cm to 20cm vein in chloritized volcanic collected from station 1+00N-0+00W. Quartz is limonite stained and exhibits cocks-comb texture. **Au: 0.001 oz/t** **Ag: <0.01 oz/t**
21624	n/a	Selected sample from quartz blebs within 1 meter wide zone of intensely chloritized and carbonatized volcanic at footwall of vein at station 1+00N-0+00W. **Au: 0.007 oz/t** **Ag: <0.01 oz/t**
21625	1m	Chip sample across 1 meter (39") altered footwall volcanic at station 1+00N-0+00W. Volcanic is limonite stained and intensely chloritized and cabonatized. **Au: 0.015 oz/t** **Ag: 0.02 oz/t**
21626	n/a	Quartz float collected from creek at station 2+50N-4+00E. No visible sulfides. **Au: <0.001 oz/t** **Ag: <0.01 oz/t**
21627	n/a	Quartz float from creek located approximately 140 meters west of Cotter 6a L.C.P. Minor pyrite and chlorite. **Au: 0.018 oz/t** **Ag: <0.01 oz/t**
21628	n/a	Quartz float collected from grid location 0+70N-0+80W within creek above Creek Showing vein. Quartz is limonite stained and vuggy. **Au: 0.006 oz/t** **Ag: 0.01 oz/t**
21629	n/a	Quartz from bleb in outcrop at station 1+50N-1+00E. Minor pyrite and limonite. **Au: 0.001 oz/t** **Ag: 0.01 oz/t**
21630	33cm	Chip sample from blue-green silicified and sericitized volcanic from hangingwall of vein at Creek Showing. See figure 5 for sample location. **Au: 0.020 oz/t** **Ag: 0.02 oz/t**

SAMPLE #	WIDTH	DESCRIPTION
21631	14cm	Chip sample in quartz vein at Creek Showing. Footwall is extremely limonitic for 2.5 cm. See figure 5 for sample location. **Au: 0.190 oz/t Ag: 0.59 oz/t**
21632	28cm	Chip sample across silicified and sericitized footwall of vein at Creek Showing. Bottom 1½cm is a rusty parallel quartz vein. See figure 5 for sample location. **Au: 0.003 oz/t Ag: <0.01 oz/t**
21633	30cm	Chip sample across silicified and sericitized pyritic hangingwall volcanic at Creek Showing. Sample location is 1.2 meters north of sample 21630 (see figure 5). **Au: 0.025 oz/t Ag: 0.01 oz/t**
21634	12cm	Chip sample across chloritic and pyritized quartz vein at Creek Showing. Sample location is 1.2 meters north of sample 21631 (see figure 5). **Au: 0.031 oz/t Ag: <0.01 oz/t**
21635	33cm	Chip sample across silicified and sericitized pyritic footwall volcanic at Creek Showing. Sample location is 1.2 meters north of sample 21632 (see figure 5). **Au: 0.018 oz/t Ag: 0.01 oz/t**
21636	23cm	Chip sample across quartz vein at Creek Showing. Minor limonite, pyrite and chlorite. Sample location is 1.2 meters north of sample 21634 (see figure 5). **Au: 0.184 oz/t Ag: 0.17 oz/t**
21637	21cm	Chip sample across slightly pyritic and chloritic quartz vein at the Creek Showing. Sample location is 1.2 meters north of sample 21636 (see figure 5). **Au: 0.612 oz/t Ag: 0.01 oz/t**
21638	36cm	Chip sample across quartz vein at Creek Showing. Footwall is limonitic and pyritic. Sample location is 1.2 meters north of sample 21637 (see figure 5). **Au: 0.139 oz/t Ag: 0.43 oz/t**

SAMPLE #	WIDTH	DESCRIPTION
21639	10cm	Chip sample across quartz vein above Creek Showing. Minor pyrite. Vein attitude 024°/70°W. See figure 4 for sample location. **Au: 0.006 oz/t** **Ag: <0.01 oz/t**
21640	10cm	Chip sample from 60cm x 10cm quartz lens within altered volcanic located approximately 30 meters southwest of station 1+00N-0+00W. Minor pyrite. See figure 4 for sample location. **Au: 0.064 oz/t** **Ag: 0.40 oz/t**
21641	13cm	Chip sample across pyritic and chloritic quartz vein at 65.3 meters (214') from portal within 1000' adit at ABCO mine. **Au: 0.001 oz/t** **Ag: 0.03 oz/t**
21642	15cm	Chip sample across limonite stained pyritic quartz vein at 76.5 meters (251') from portal within the 1000' adit at the ABCO mine. Minor chalcopyrite. **Au: 0.184 oz/t** **Ag: 0.09 oz/t**
21643	10cm	Chip sample of gouge from within a shear zone at 170 meters (558') from the portal within the 1000' elevation adit at the ABCO mine. **Au: 0.001 oz/t** **Ag: 0.01 oz/t**
21644	13cm	Chip sample across slightly pyritic quartz vein at 215 meters (705') from portal within the 1000' adit at the ABCO mine. **Au: 0.118 oz/t** **Ag: 0.05 oz/t**
21645	n/a	Rusty argillite and volcanic float with minor quartz stringers from Cotter Creek approximately 500 meters west of the Cotter 6a and 7 eastern boundary. **Au: trace** **Ag: 5.6 ppm**
21646	n/a	Quartz float from Cotter Creek at the same location as sample 21645. **Au: 0.001 oz/t** **Ag: 0.04 oz/t**

APPENDIX C

STATISTICAL DATA

```
Var : Au ppb       FA+AA         Col#   38
D.Limit :  5.0000     [*]=  2.5% of Total
          PERCENT OF TOTAL SAMPLES
                          50.0                    100.0
         ¦-----------------+---------------------+#OCCU. PERC
         ¦                                         0   0.0
    5.00+
         ¦***********************************      121  83.4
   45.00+
         ¦****                                    13   9.0
   85.00+
         ¦*                                        3   2.1
  125.00+
         ¦*                                        1   0.7
  165.00+
         ¦**                                       4   2.8
  205.00+
         ¦                                         0   0.0
  245.00+
         ¦*                                        1   0.7
  285.00+
         ¦                                         0   0.0
  325.00+
         ¦*                                        1   0.7
  365.00+
         ¦                                         0   0.0
  405.00+
         ¦                                         0   0.0
  445.00+
         ¦                                         0   0.0
  485.00+
         ¦                                         0   0.0
  525.00+
         ¦                                         0   0.0
  565.00+
         ¦                                         0   0.0
  605.00+
         ¦                                         0   0.0
  645.00+
         ¦*                                        1   0.7
  685.00+
         ¦                                         0   0.0
         ¦-----------------+---------------------+#OCCU. PERC
                          50.0                    100.0
          PERCENT OF TOTAL SAMPLES
```

```
Var : Cu            ppm            Col#   15
D.Limit :  1.0000     [*]=  0.5% of Total
          PERCENT OF TOTAL SAMPLES
                          10.0                    20.0
         ¦-----------------+-------------------+#OCCU. PERC
         ¦                                          0   0.0
   10.00+
         ¦************                              16   5.7
   37.00+
         ¦****************************              37  13.1
   64.00+
         ¦************************************      47  16.6
   91.00+
         ¦****************************              38  13.4
  118.00+
         ¦************************                  34  12.0
  145.00+
         ¦************************                  33  11.7
  172.00+
         ¦****************                          21   7.4
  199.00+
         ¦************                              17   6.0
  226.00+
         ¦************                              16   5.7
  253.00+
         ¦********                                  11   3.9
  280.00+
         ¦*****                                      6   2.1
  307.00+
         ¦                                          0   0.0
  334.00+
         ¦***                                       4   1.4
  361.00+
         ¦**                                        2   0.7
  388.00+
         ¦                                          0   0.0
  415.00+
         ¦                                          0   0.0
  442.00+
         ¦                                          0   0.0
  469.00+
         ¦*                                         1   0.4
  496.00+
         ¦                                          0   0.0
         ¦-----------------+-------------------+#OCCU. PERC
                          10.0                    20.0
          PERCENT OF TOTAL SAMPLES
```

```
Var : Ag            ppm            Col#     6
D.Limit :  0.2000     [*]=  1.0% of Total
          PERCENT OF TOTAL SAMPLES
                          20.0                    40.0
        ¦-------------------+--------------------+#OCCU. PERC
        ¦                                          0   0.0
    0.20+
        ¦******************                        11  17.7
    1.00+
        ¦******************                        11  17.7
    1.80+
        ¦**********************                    13  21.0
    2.60+
        ¦*****************                         10  16.1
    3.40+
        ¦*******                                   4   6.5
    4.20+
        ¦*****                                     3   4.8
    5.00+
        ¦*******                                   4   6.5
    5.80+
        ¦*****                                     3   4.8
    6.60+
        ¦**                                        1   1.6
    7.40+
        ¦                                          0   0.0
    8.20+
        ¦                                          0   0.0
    9.00+
        ¦                                          0   0.0
    9.80+
        ¦                                          0   0.0
   10.60+
        ¦                                          0   0.0
   11.40+
        ¦**                                        1   1.6
   12.20+
        ¦**                                        1   1.6
        ¦-------------------+--------------------+#OCCU. PERC
                          20.0                    40.0
          PERCENT OF TOTAL SAMPLES
```

1

```
Var : Zn            ppm            Col#   36
D.Limit :  1.0000     [*]=  0.5% of Total
          PERCENT OF TOTAL SAMPLES
                          10.0                    20.0
          |-----------------+--------------------+#OCCU. PERC
          |                                        0   0.0
    16.00+
          |***                                     3   1.1
    22.00+
          |***                                     4   1.4
    28.00+
          |*******                                 9   3.2
    34.00+
          |*******                                 9   3.2
    40.00+
          |**********                             14   4.9
    46.00+
          |***************                        19   6.7
    52.00+
          |*************                          17   6.0
    58.00+
          |*************                          17   6.0
    64.00+
          |************************               30  10.6
    70.00+
          |***************                        21   7.4
    76.00+
          |*************                          18   6.4
    82.00+
          |******************                     25   8.8
    88.00+
          |********************                   27   9.5
    94.00+
          |*************************              35  12.4
   100.00+
          |***************                        19   6.7
   106.00+
          |******                                  8   2.8
   112.00+
          |****                                    5   1.8
   118.00+
          |**                                      2   0.7
   124.00+
          |*                                       1   0.4
          |-----------------+--------------------+#OCCU. PERC
                          10.0                    20.0
          PERCENT OF TOTAL SAMPLES
```

VARIABLE	: Au ppb	FA+AA
COLUMN NUMBER	: 38	
DETECTION LIMIT	: 5.0000	
NUMBER OF OBSERVATIONS	:	145
MINIMUM	:	5.000
MAXIMUM	:	675.000
MEAN	:	34.345
STANDARD ERROR OF MEAN	:	5.950
STANDARD DEVIATION	:	71.650
COEFFICIENT OF VARIATION	:	208.620
SKEWNESS	:	5.991
KURTOSIS	:	44.858

VARIABLE	: Cu	ppm
COLUMN NUMBER	: 15	
DETECTION LIMIT	: 1.0000	
NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	10.000
MAXIMUM	:	484.000
MEAN	:	134.534
STANDARD ERROR OF MEAN	:	4.688
STANDARD DEVIATION	:	78.864
COEFFICIENT OF VARIATION	:	58.620
SKEWNESS	:	0.958
KURTOSIS	:	0.982

VARIABLE	: Ag	ppm
COLUMN NUMBER	: 6	
DETECTION LIMIT	: 0.2000	
NUMBER OF OBSERVATIONS	:	62
MINIMUM	:	0.200
MAXIMUM	:	12.200
MEAN	:	2.803
STANDARD ERROR OF MEAN	:	0.300
STANDARD DEVIATION	:	2.362
COEFFICIENT OF VARIATION	:	84.245
SKEWNESS	:	1.973
KURTOSIS	:	5.009

VARIABLE	: Zn	ppm
COLUMN NUMBER	: 36	
DETECTION LIMIT	: 1.0000	
NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	16.000
MAXIMUM	:	124.000
MEAN	:	73.770
STANDARD ERROR OF MEAN	:	1.389
STANDARD DEVIATION	:	23.367
COEFFICIENT OF VARIATION	:	31.675
SKEWNESS	:	-0.295
KURTOSIS	:	-0.704

```
Var : LOG AG                        Col#    1
D.Limit :  0.0000     [*]=  2.0% of Total
          PERCENT OF TOTAL SAMPLES
                          40.0                  80.0
         ¦-----------------+-------------------+#OCCU. PERC
         ¦                                       0   0.0
   -0.70+
         ¦****************************************  223  78.8
   -0.60+
         ¦                                       0   0.0
   -0.50+
         ¦                                       0   0.0
   -0.40+
         ¦*                                      3   1.1
   -0.30+
         ¦*                                      2   0.7
   -0.20+
         ¦                                       0   0.0
   -0.10+
         ¦*                                      4   1.4
    0.00+
         ¦*                                      5   1.8
    0.09+
         ¦*                                      4   1.4
    0.19+
         ¦**                                     6   2.1
    0.29+
         ¦**                                     9   3.2
    0.39+
         ¦**                                     6   2.1
    0.49+
         ¦**                                     8   2.8
    0.59+
         ¦*                                      3   1.1
    0.69+
         ¦**                                     6   2.1
    0.79+
         ¦*                                      2   0.7
    0.89+
         ¦                                       0   0.0
    0.99+
         ¦*                                      1   0.4
    1.09+
         ¦                                       0   0.0
         ¦-----------------+-------------------+#OCCU. PERC
                          40.0                  80.0
          PERCENT OF TOTAL SAMPLES
```

Var : LOG AU Col# 2
D.Limit : 0.0000 [*]= 2.0% of Total

PERCENT OF TOTAL SAMPLES

	40.0	80.0	#OCCU.	PERC
			0	0.0
0.70+				
	**********		164	58.0
0.82+				
			0	0.0
0.94+				
	*******		35	12.4
1.05+				
			0	0.0
1.17+				
	*****		25	8.8
1.29+				
	*****		23	8.1
1.41+				
	**		7	2.5
1.53+				
	*		5	1.8
1.65+				
	**		6	2.1
1.76+				
	**		7	2.5
1.88+				
	*		2	0.7
2.00+				
	*		2	0.7
2.12+				
	*		1	0.4
2.24+				
	*		3	1.1
2.36+				
	*		1	0.4
2.47+				
	*		1	0.4
2.59+				
			0	0.0
2.71+				
			0	0.0
2.83+				
	*		1	0.4
	40.0	80.0	#OCCU.	PERC

PERCENT OF TOTAL SAMPLES

1

```
Var : LOG CU                        Col#    3
D.Limit :  0.0000     [*]=  0.5% of Total
          PERCENT OF TOTAL SAMPLES
                          10.0                  20.0
          |-------------------+-------------------+#OCCU. PERC
          |                                         0   0.0
     1.00+
          |*                                        1   0.4
     1.09+
          |                                         0   0.0
     1.19+
          |**                                       2   0.7
     1.28+
          |**                                       2   0.7
     1.37+
          |**                                       2   0.7
     1.47+
          |*******                                  9   3.2
     1.56+
          |*****                                    7   2.5
     1.66+
          |***************                         20   7.1
     1.75+
          |**************                          19   6.7
     1.84+
          |************************                35  12.4
     1.94+
          |**********************                  32  11.3
     2.03+
          |********************                    29  10.2
     2.12+
          |*********************************       43  15.2
     2.22+
          |*******************                     28   9.9
     2.31+
          |**********************                  31  11.0
     2.40+
          |************                            16   5.7
     2.50+
          |*****                                    6   2.1
     2.59+
          |                                         0   0.0
     2.68+
          |*                                        1   0.4
          |-------------------+-------------------+#OCCU. PERC
                          10.0                  20.0
            PERCENT OF TOTAL SAMPLES
```

```
Var : LOG ZN                        Col#    5
D.Limit :  0.0000     [*]=  0.5% of Total
          PERCENT OF TOTAL SAMPLES
                          10.0                  20.0
          |-------------------+-------------------+#OCCU. PERC
          |                                         0   0.0
     1.20+
          |***                                      3   1.1
     1.25+
          |                                         0   0.0
     1.30+
          |*                                        1   0.4
     1.35+
          |*                                        1   0.4
     1.40+
          |***                                      3   1.1
     1.45+
          |*****                                    6   2.1
     1.50+
          |***                                      3   1.1
     1.55+
          |******                                   8   2.8
     1.60+
          |*******                                  9   3.2
     1.65+
          |**********                              18   6.4
     1.70+
          |**********                              17   6.0
     1.75+
          |**********                              19   6.7
     1.80+
          |******************************          40  14.1
     1.85+
          |***************                         21   7.4
     1.90+
          |****************************            37  13.1
     1.95+
          |****************************************    54  19.1
     1.99+
          |************************                34  12.0
     2.04+
          |******                                    8   2.8
     2.09+
          |*                                        1   0.4
          |-------------------+-------------------+#OCCU. PERC
                          10.0                  20.0
            PERCENT OF TOTAL SAMPLES
```

VARIABLE : LOG AG
COLUMN NUMBER : 1
0
DETECTION LIMIT : 0.0000
0

NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	-0.699
MAXIMUM	:	1.086
0		
MEAN	:	-0.479
STANDARD ERROR OF MEAN	:	0.027
STANDARD DEVIATION	:	0.452
COEFFICIENT OF VARIATION	:	-94.276
0		
SKEWNESS	:	1.784
KURTOSIS	:	1.677

VARIABLE	:	LOG AU
COLUMN NUMBER	:	2
DETECTION LIMIT	:	0.0000
NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	0.699
MAXIMUM	:	2.829
MEAN	:	0.975
STANDARD ERROR OF MEAN	:	0.024
STANDARD DEVIATION	:	0.411
COEFFICIENT OF VARIATION	:	42.129
SKEWNESS	:	1.689
KURTOSIS	:	2.740

VARIABLE	:	LOG CU
COLUMN NUMBER	:	3
DETECTION LIMIT	:	0.0000
NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	1.000
MAXIMUM	:	2.685
MEAN	:	2.048
STANDARD ERROR OF MEAN	:	0.017
STANDARD DEVIATION	:	0.281
COEFFICIENT OF VARIATION	:	13.695
SKEWNESS	:	-0.530
KURTOSIS	:	0.187

VARIABLE : LOG ZN
COLUMN NUMBER : 5
O
DETECTION LIMIT : 0.0000
O

NUMBER OF OBSERVATIONS	:	283
MINIMUM	:	1.204
MAXIMUM	:	2.093
O		
MEAN	:	1.841
STANDARD ERROR OF MEAN	:	0.010
STANDARD DEVIATION	:	0.165
COEFFICIENT OF VARIATION	:	8.980
O		
SKEWNESS	:	-1.169
KURTOSIS	:	1.392