

GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL REPORT

on the
BLUE CLAIMS

Map Sheet 105 B-1W

Lat. 60° 01.7' N

Long. 130° 23.5' W

**WATSON LAKE MINING DIVISION
YUKON TERRITORY**

For

**Acorn Resources Corp.
206 - 475 Howe Street
Vancouver, B.C.**

By

**Peter Christopher & Associates Inc.
3707 West 34th Avenue
Vancouver, British Columbia
V6N 2K9**



091510

November 25, 1983

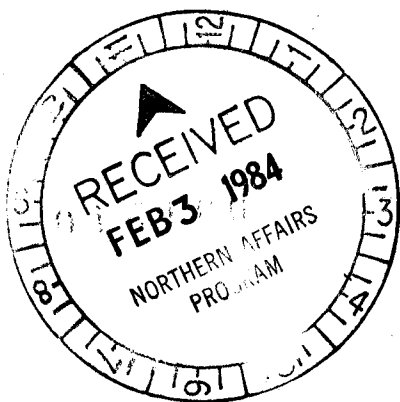


TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY	1
INTRODUCTION	2
LOCATION AND ACCESS	2
PHYSIOGRAPHY AND TOPOGRAPHY	2
WORK PROGRAM	3
CLAIMS	3
REGIONAL GEOLOGY	3
MINERAL DEPOSITS IN THE AREA	4
GEOLOGICAL EXAMINATION OF THE CLAIM GROUP	10
GEOCHEMICAL EXAMINATION OF THE CLAIM GROUP	11
a) Methodology	11
b) Results	11
GEOPHYSICAL EXAMINATION OF THE CLAIM GROUP	12
a) Methodology	12
b) Results	12
CONCLUSIONS	13
RECOMMENDATIONS	13
a) Stage II Follow-Up	13
b) Stage II Cost Estimates	14
CERTIFICATES	15
COST STATEMENT	17

LIST OF ILLUSTRATIONS

FIGURE 1 Location and Access Map

FIGURE 2 Location Map and Major Mineral Deposits
Northern B.C. - Yukon Border

FIGURE 3 Claim Map

FIGURE 4 Regional Geology

FIGURE 5 Histogram of Lead Values

FIGURE 6a to i VLF-EM Traverses

MAP 1 Geology and Soil Sample Locations

In Pocket

MAP 2 Pb, Zn, Ag Geochemistry

TABLES

TABLE 1 Pertinent Claim Data

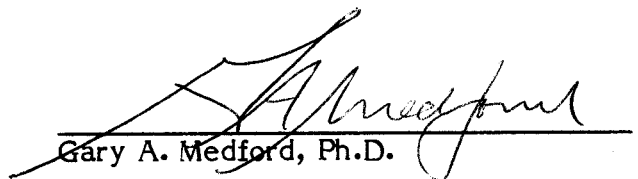
APPENDIX

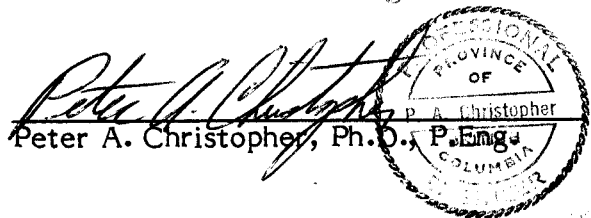
Pb, Zn, Ag Analyses by Chemex Labs, Vancouver

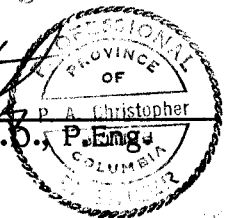
SUMMARY

A Stage I reconnaissance geochemical survey of the Blue claims has located an Ag, Pb, Zn anomaly almost 2 km in length. VLF-EM test surveys in the area of the anomaly indicate the presence of conductive structures.

Further detailed geochemical and geophysical surveys (Stage II) are warranted based on successful completion of the Stage I program described in this report. A cost estimate for Stage II follow-up work is included.


Gary A. Medford, Ph.D.


Peter A. Christopher, Ph.D., P.Eng.



November 25, 1983

INTRODUCTION

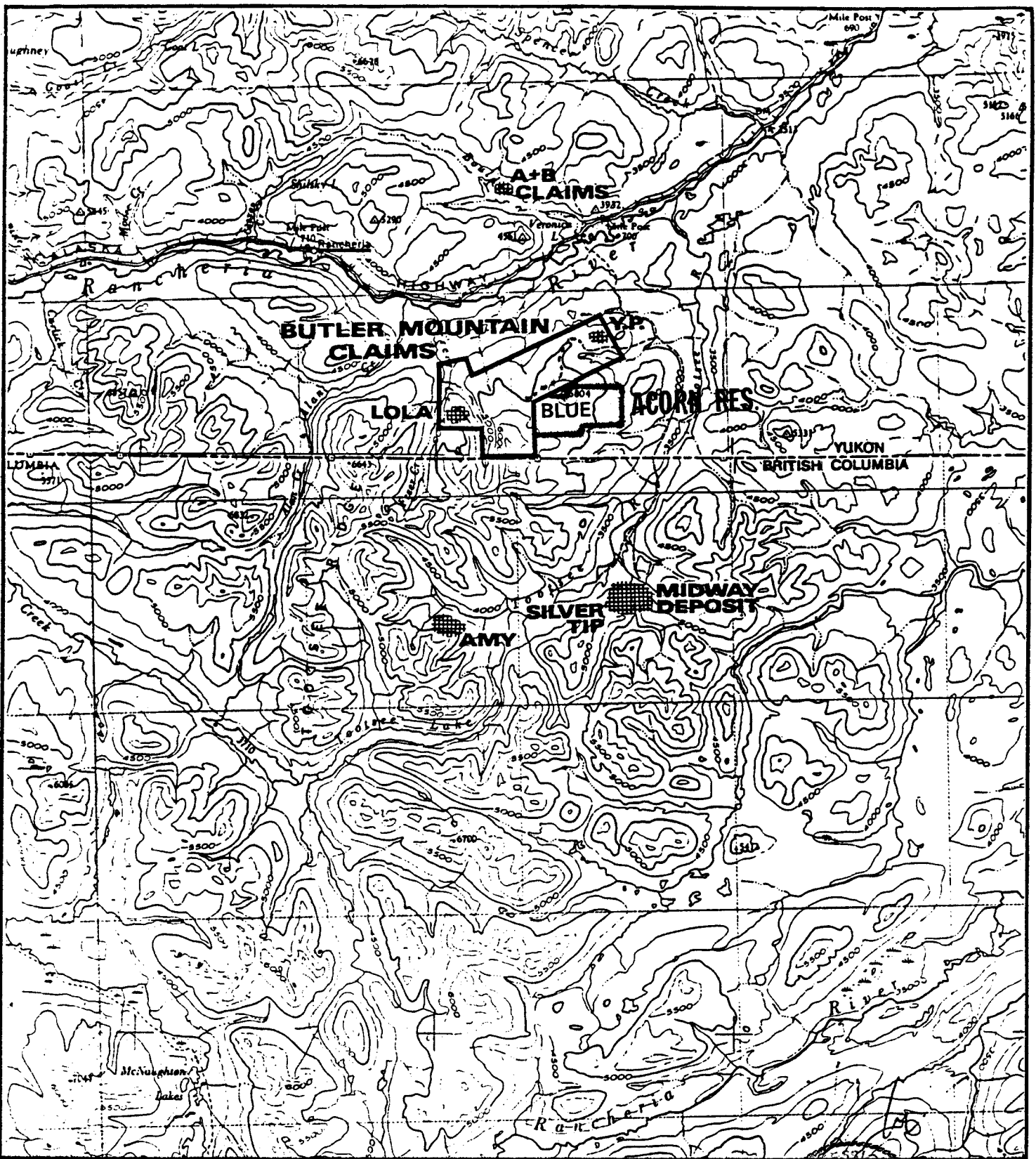
The Blue claims straddle the contact of the Cassiar Batholith with sediments of possible Cambrian age. The claims are located about one kilometer south of the YP prospect on which Butler Mountain Minerals Corp. has located significant lead, zinc, silver and gold mineralization during drilling in the 1983 exploration season. As the geological setting is similar to that being explored by Butler Mountain to the north, the Blue claims constitute a potentially significant exploration target. The claims are mainly overburden covered and as such a Stage I reconnaissance program emphasizing geochemical and geophysical methods has been undertaken. This program has been successfully completed and the results are detailed in this report. A Stage II follow-up program has been recommended.

LOCATION AND ACCESS (Figure 1 and 2)

The claims are situated eight miles (13 km) south of mile post 700 on the Alaska Highway and seventy-five miles (120 km) west of Watson Lake, Yukon Territory. A gravel access road follows the south side of the Rancheria River from mile 706, and an extension of this road comes within 1 km of the north end of the claims, adjacent to the YP prospect. In early spring or winter, when roads are muddy or snow covered, helicopters are available in Watson Lake (2/3 hour distant) and occasionally in Rancheria or Swift River (5 - 10 minutes flying time).

PHYSIOGRAPHY AND TOPOGRAPHY

The property is found between 4,200' (1,281 m) and 5,804' (1,770 m) with most of it at elevations greater than 4,600' (1,402 m). Alpine shrubs and grasses and low buckbrush cover most of the property with sparse conifer stands at lower elevations. Flat portions of the property are locally swampy. Boulder trains comprised mostly of quartz monzonite are common and outcrop is scarce (< 2%).



LOCATION AND ACCESS

5 KM

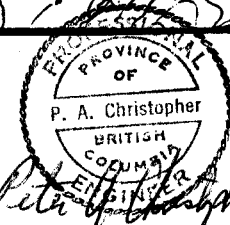
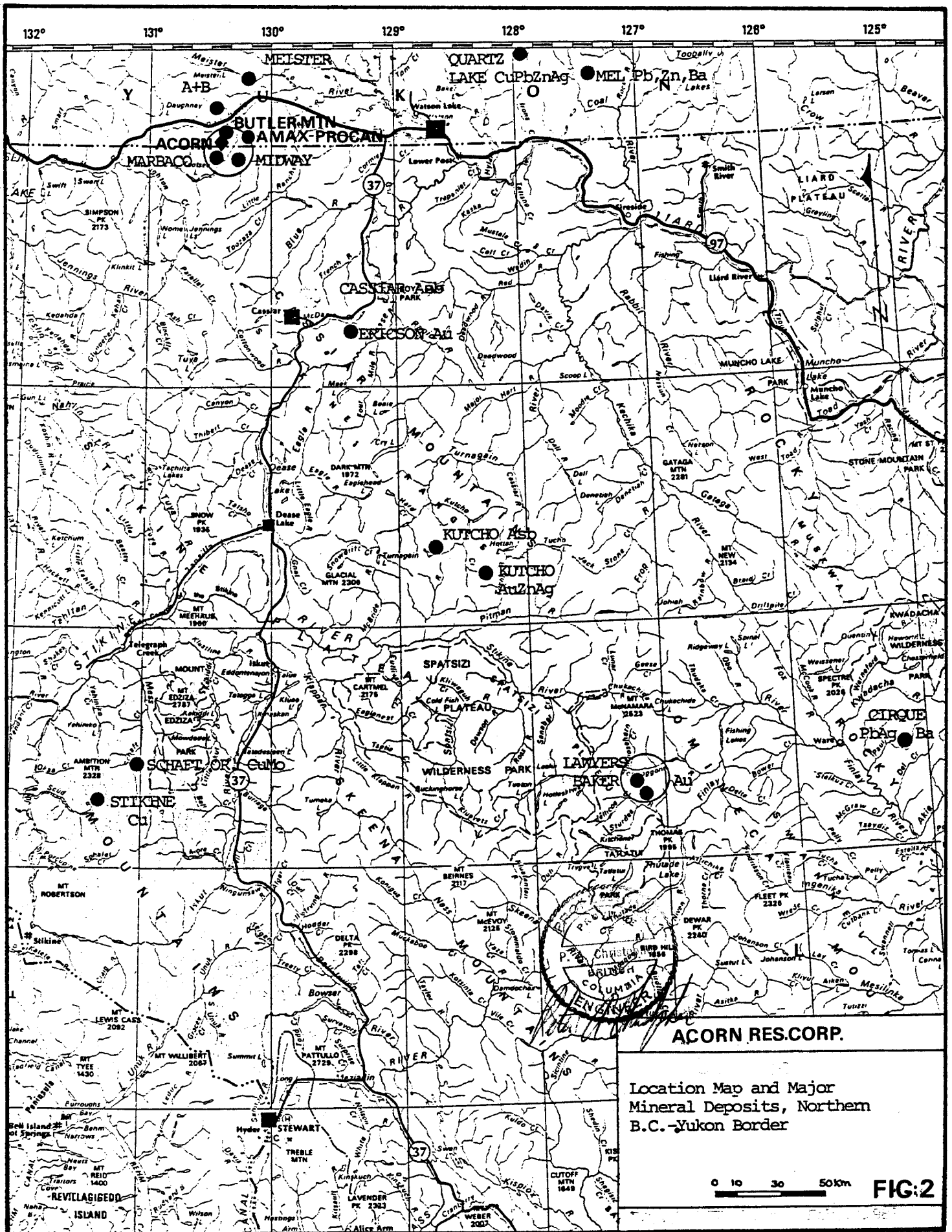


FIG:1



ACORN RES. CORP.

Location Map and Major Mineral Deposits, Northern B.C. - Yukon Border

0 10 30 50km **FIG:2**

WORK PROGRAM

The Stage I ten-day work program was carried out by a three man crew. A camp was established on the Tootsee River road where it crosses the creek situated just north and east of the Blue claims. Access was gained by 4-wheel drive vehicle using the road through the YP claims and then by walking 1-3 km to the job site.

The program consisted of reconnaissance soil sampling along all claim lines and also on selected crosslines in the area of the assumed batholith-sediment contact. VLF-EM was carried out with dip angles being recorded for two stations along selected traverses. Readings were taken at soil sample locations (50 m apart). Mapping was carried out at a scale of 1:5000 in areas of outcrop located while prospecting the claim group.

CLAIMS (Figure 3)

The claims comprising the Blue group are as follows:

Table 1. Pertinent Claim Data

<u>Name</u>	<u>Tag No.</u>	<u>Record Date</u>	<u>Staker</u>
Blue 1-8	YA69608-15	Feb. 9/83	Tim Dolan
Blue 9-16	YA69728-35	Feb. 15/83	Neil Parsk
Blue 17-24	YA69826-33	Feb. 16/83	Gary Marks
Blue 25-38	YA69834-41	Feb. 16/83	Brenda Charles
Blue 33-38	YA69842-47	Feb. 16/83	Tim Shire

REGIONAL GEOLOGY (Figure 4)

The area of interest is situated on the east flank of the Cassiar batholith which extends over 300 km southeasterly from Wolf Lake map sheet in the Yukon to the Kechika map area in British Columbia. In the Jennings River and Cassiar-McDame

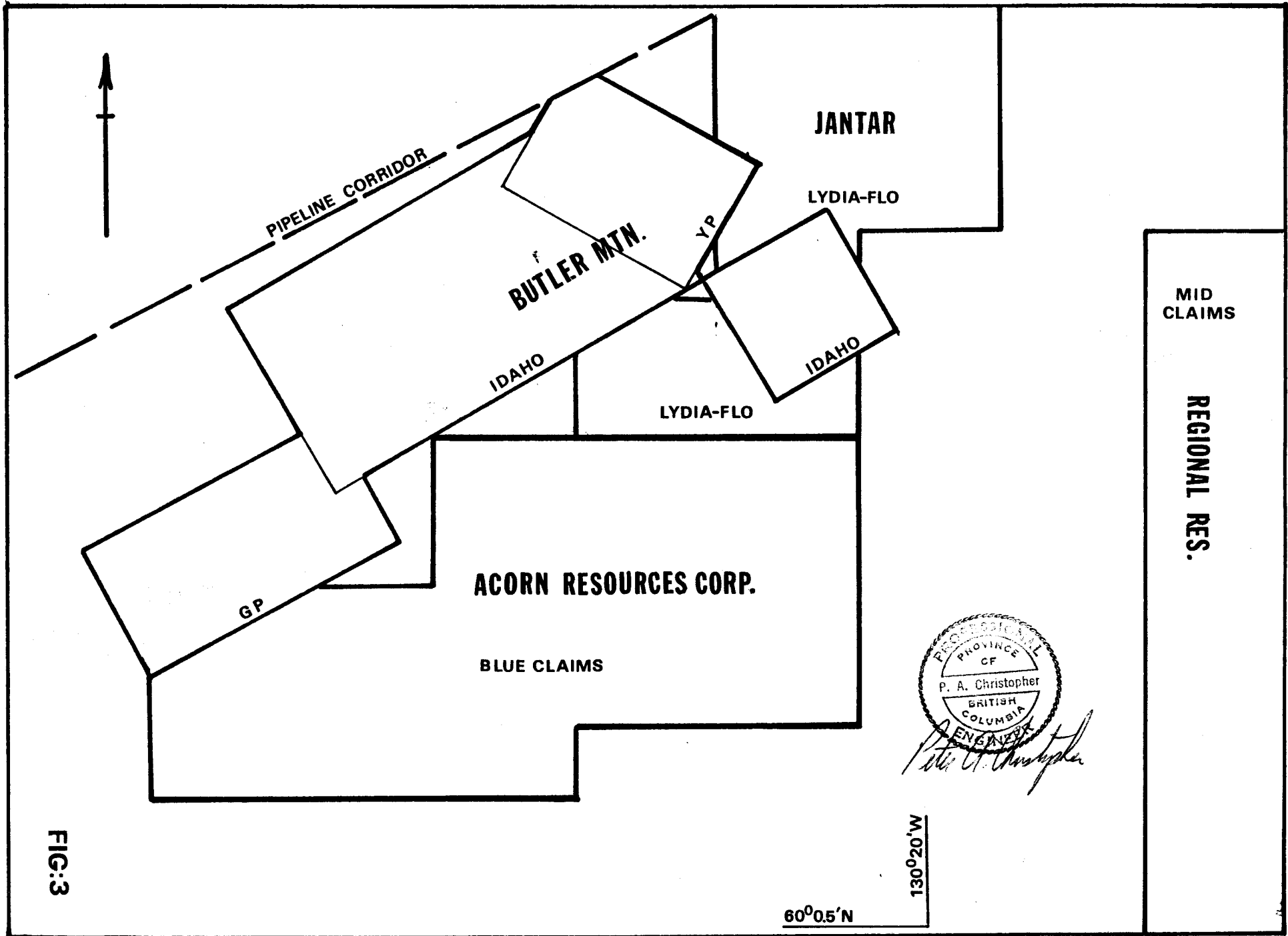


FIG:3

60°0.5'N

130°20'W

map areas and the south part of Wolf Lake area the eastern flank is underlain by Paleozoic rocks from Cambrian to Carboniferous in age and separable into two or more contrasting assemblages, some of which are believed to be "allocthonous" (i.e., deposited elsewhere and moved into place along flat lying faults).

Rocks are described by Poole (Map 10-1960) and by Gabrielse (GSC Paper 68-55, 1968). A synthesis of the regional geology is given in Figure 4 along with the locations of several prospects in the area.

MINERAL DEPOSITS IN THE AREA

The most significant development in mineral exploration in the southern Yukon and northern B. C. within the last few years has been the discovery of stratiform silver-lead-zinc mineralization within "exhalite" massive sulphide and silica/barite horizons in the lower portion of the Mississippian-Devonian Sylvester group.

The discovery by Regional Resources Ltd. and partners Amax of Canada and Procan Exploration Ltd. has resulted in an extensive staking program and re-evaluation of geological data concerning mineral showings adjacent to the "Midway" property.

Several other silver-lead-zinc deposits not as yet of economic size or grade occur in close proximity, in Cambrian to Middle Devonian strata, and also in high grade veins (Silver Tip) within the Cassiar Batholith. A few of these deposits are described briefly, following a description of the Midway property. Vein mineralization occurring at the Silver Tip showing is discussed under a separate heading.

Locations of prospects and mines within the region is given in Figures 2 and 4.

Midway Deposit:

The "Midway" deposit, staked by Regional Resources in 1980 and drilled from 1981 to 1983 was discovered as a result of careful exploration of the previously explored Silverknife (Silver Tip) silver-lead-zinc showing following investigation of strongly anomalous silt sample results in a 1980 regional geochemical survey.

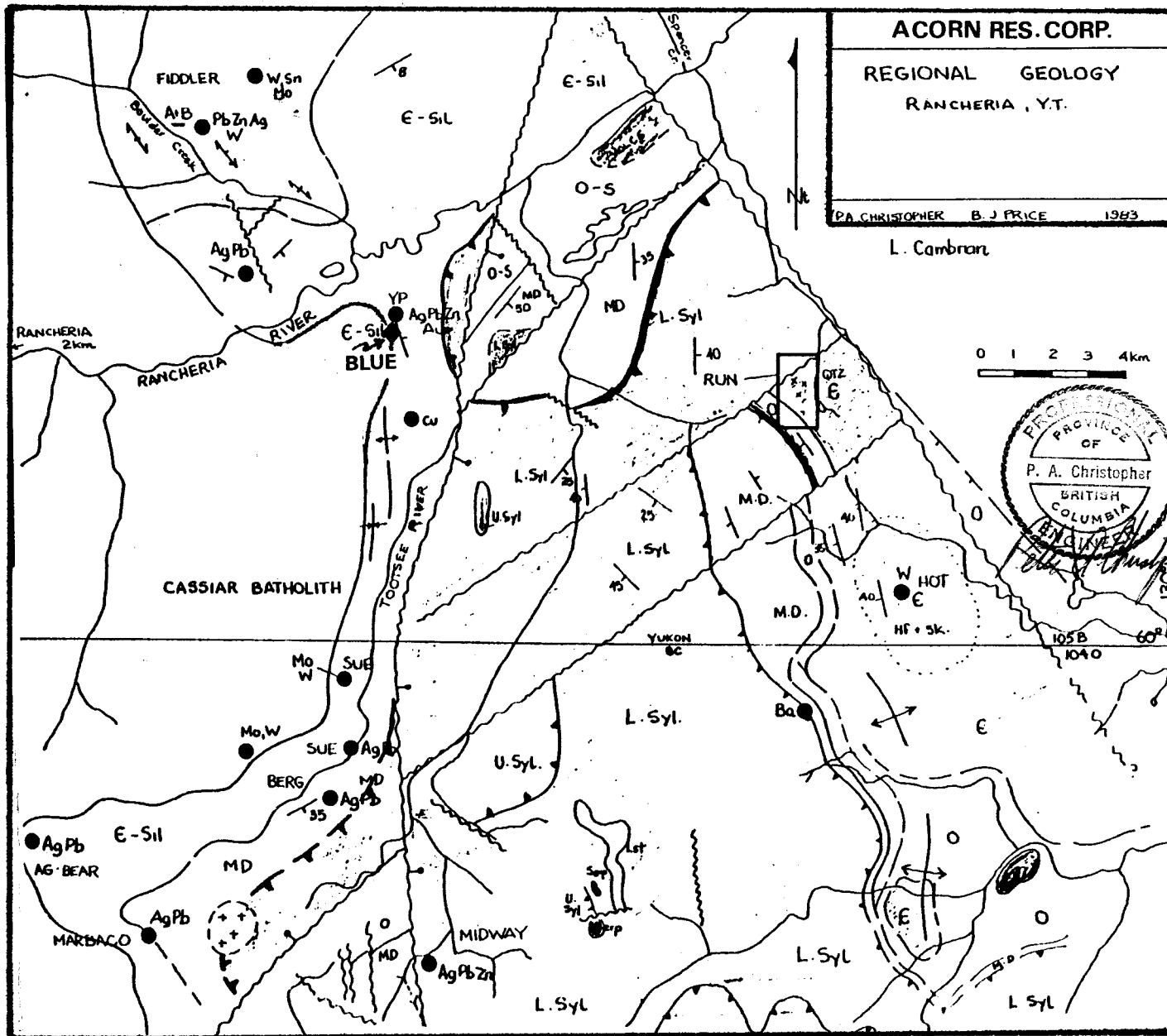


FIG:4

Six drill holes in 1981 totalling 853 meters indicated the presence of 3 mineralized zones dipping southeasterly at about 30 degrees. The lowermost zone observed only in drill core overlies the McDame limestone and varies from 1 to 1.5 meters thick. It contains from 2.65 to 23.39% combined lead-zinc and from 1.24 to 22.59 oz/ton silver. This zone is locally absent and may grade laterally into siliceous, pyritic exhalite. Four of the 6 holes encountered a "dry cavernous opening 15 cm to 150 cm wide" near the McDame-Sylvester contact.

The lower zone consists of weakly bedded to brecciated pyrite, galena, sphalerite and carbonate fragments in an argillaceous matrix.

The middle, or "Discovery" zone, found in outcrop, occurs about 70 meters stratigraphically above the lower zone, within argillites and sandstones.

This zone varies from 0.5m to 11.2 meters in thickness and ranges in grade from 4.56 to 13.36 percent combined Pb-Zn and 1.26 to 5.03 oz/ton silver.

The Upper Zone, about 10 - 20 meters above the Discovery zone, ranges in thickness from 0.40m to 3.17m in thickness and has combined lead-zinc grades ranging from 2.62% to 13.15% and silver grades.

Drilling of 18 additional holes in 1982 and fill-in drilling in 1983 suggested the presence of at least 2.78 million tonnes (3.05 M. tons) averaging 13.3 oz/tonne silver, 12% zinc and 6.1% lead with minor but possibly economic quantities of tin, bismuth, gold and copper. (Richardson, Greenshields, Canada Ltd. - research report). Composite samples from core from 8 holes averaged 0.023 oz/ton gold, 0.35% copper, and 0.14% tin. The deposit is now known to exist in an area 2,000 feet (600 m) square through a geological section of 100 ft. (30 m). Definition of the deposit is not complete.

The exhalite horizons can be traced for at least 14 km along strike on the southwest part of the property and similar horizons are seen 10 km to the northeast. On the northeast side of the property a barite exhalite 4 m-thick has been traced for 5 km in float and outcrop.

The mineralized horizons are believed to represent sulfide-rich exhalations deposited on the floor of a rift-controlled basin up to 14 km wide

The showings respond well to standard geochemical soil and silt sampling techniques. The Discovery showing has a broad coincident Pb-Zn-Ag-Ba anomaly, and seven additional areas have coincident Pb-Zn-Ag anomalies. Airborne EM and magnetometer surveys were flown and ground EM and gravity surveys were done. Two pulse EM anomalies and one vector EM anomaly were verified by drilling.

Amy (Fosco) Showings:

The Amy deposit is situated approximately 27 km south of Blue claims and 3 km northwest of the north end of Tootsee Lake. The showings were discovered in 1948 and staked by Hudson Bay Exploration as the Gem Group. In 1949, 8 diamond drill holes were completed totalling 2935 feet. Seven deep trenches traced the mineralized zone for 550 feet with maximum width 7 feet in DDH - 2. The mineralization (galena, tetrahedrite, sphalerite, pyrrhotite and ankerite) occurs as a replacement zone in limestone along a limestone-argillite contact and near the surface trace of the granite contact. The zone occupies a shear zone striking north 55-65 degrees west and dipping 60 degrees southwest.

Further work on the property in 1964 by Rancheria Mining Company consisted of soil surveys, magnetometer surveys and underground development.

In the underground workings, the vein in a 66 foot section averaged 5.9 feet wide and assayed 27.4 oz/ton silver, 7.5% zinc and 7.5% lead. Further drifting along the vein in 1965 disclosed a vein length of at least 419 feet. Additional bulldozer trenching on other geochemical anomalies disclosed other veins. Diamond drilling to test continuity consisted of 24 holes totalling 7500 feet.

The claims lapsed in 1969 and in 1970 the property was restaked by Fosco Mining Limited. Further underground work and drilling was done and a feasibility study was done by Dolmage, Campbell and Associates who concluded that the deposit contained the following tonnages (diluted):

<u>Category</u>	<u>Tons</u>	<u>Ag(oz/t)</u>	<u>Pb%</u>	<u>Zn%</u>
Measured	11,400	17.10	3.74	6.26
Drill indicated	31,100	6.31	1.78	6.80
Geologically inferred	<u>68,400</u>	no grade assigned		
TOTAL:	<u>110,900</u>			

The consultants further stated that "A comparison between the grade of drill intercepts near the underground workings and assays from channel samples taken from the drift suggests that the estimated grade in the drill indicated category is probably low by an unknown but significant amount. The reserve estimate outlined in this report should not be considered as limiting the ultimate potential of the deposit".

Bench scale mill tests produced a concentrate acceptable to custom smelters. A detailed underground exploration program was recommended but immediate production was not recommended at that time because of the weak price for silver (\$1.29 to \$2.57 per ounce).

In 1973, additional surface work was done confirming sampling completed on the 4450 level and a 1400 foot crosscut and 220 feet of drifting was done on the 4200 feet level.

A second estimate of ore reserves was done by Chapman Wood and Griswold in 1974, who concluded that total ore reserves now were + 140000 tons as follows:

<u>Category</u>	<u>Tons</u>	<u>Grade Ag(oz/t)</u>	<u>Pb%</u>	<u>Zn%</u>
Measured	18,122	13.88	3.27	7.29
Drill indicated	<u>61,727</u>	<u>9.76</u>	<u>2.70</u>	<u>5.63</u>
Total	79,849	10.70	2.84	6.03
Inferred	<u>59,326</u>	no grade assigned		
TOTAL:	<u>140,000</u>			

The claims were acquired by Marbaco Mines Ltd. in 1980 along with adjacent claims owned by D. Schellenberg. Marbaco performed geochemical surveys and trenching which indicated additional zones could be present.

At metal prices of \$15/oz Ag, 28¢/lb Pb, 49¢/lb Zn, gross metal value per ton of ore (1974 reserve data) is \$235.50 (the estimated grade of drill indicated reserves is probably still low compared with measured reserves, as in the 1971 calculations). Few recent assays exist for gold but several samples taken from 1949 to 1967 contain 0.01 to 0.02 oz/ton.

Prospects are considered encouraging for discovery of additional mineralized zones at this property.

Some similarities exist between the Amy deposit and the lowermost "exhalite" zone at the Midway deposit:

- 1) Both deposits occur near limestone - phyllite contacts.
- 2) Solution caves are found adjacent to both deposits.
- 3) Mineralogy and reserve grades are similar.
- 4) Mineralization is parallel with bedding in both deposits.

The Amy deposit is described in most reports as a strike fault system with characteristics of quartz-siderite-sulphide replacement of limestone in a shear zone. However, the possibility exists that the deposit represents a remobilized stratiform exhalite deposit with potential for augmentation of reserves along strike and dip.

Silver Tip Showing (Midway Property)

The Silver Tip showing, a vein or replacement deposit, is situated three miles northeast of Tootsee Lake. Extensive work was done on the property from 1956 to 1968 by several large companies including Conwest, Canex, Noranda, Bralorne Mines and Peerless Oil and Gas. It now forms part of the Midway property of Regional Resources and partners.

The area is underlain by thick-bedded McDame limestone of Devonian age overlain by Mississippian-Devonian Sylvester Group phyllites. Gossan zones and galena float are

found in several zones trending north-easterly. The largest gossan zone, No. 2, ranges from 15 to 65 feet wide and is 700 feet long and was reported to average 5.7 oz/ton silver, 6.2% lead and 2.9% zinc. Individual pieces of galena from the zone assay about 150 oz/ton silver and 70% lead (BCMM Ann. Report 1968, p. 25-33). The same zone intersected in several drill holes consisted of "frozen mineralized gossan". No. 4 zone intersected in the upper adit was sampled over 38 feet by taking muck from 175 cars. The average was 13.84 oz/ton silver, and 15.4% lead. The average of the channel samples along 40 feet in the west drift was over five feet 0.02 oz/ton gold, 12.0 oz/ton silver, and 14.5% lead. The same zone, intersected in the lower adit approximately 650 feet down the dip of the fault zone, is almost completely oxidized and resembles "soft brown sugar". This almost completely leached material assays 0.2 oz/ton silver, 0.1% lead and 4.5% zinc.

Mineralized zones such as the above are localized on strong faults and fractures in the McDame limestone along the crest of an anticline and appear to be almost completely oxidized to depths exceeding 600 feet from the surface. Apart from the gossan zones, considerable pyrite with minor sphalerite and galena occurs in the holes drilled in the phyllite (presumably Sylvester Group) and minor galena and sphalerite occur in quartz and calcite veins and in limestone. Fresh vein material from which the gossans developed has not been seen on the property.

These vein-replacement deposits currently being drilled by Regional Resources have strong similarities to the Amy deposit of Marbaco Resources. Mineralogy and grades are similar and probable origin by replacement in limy horizons along fault zones is likely. Considering the presence of mineralization over a vertical range of over 650 feet and 5 foot mining width the eventual development of economic reserves on this portion of the property seems certain.

YP Property:

The YP property, adjacent to the Flo and Lydia claims, is situated 4 km south of mile 701 on the Alaska Highway and is owned by Flame Petro Minerals Ltd. It is currently being explored by Butler Mountain Resources Ltd. and has several oxidized vein or replacement zones in limestone of unknown but probable Cambrian age. Some solid galena was hand-cobbed and shipped from the property in the 1960's. Several large

gossan zones with residual argentiferous galena are thought to represent oxidized replacement zones of galena-tetrahedrite-sphalerite and other sulphides in siderite gangue comparable with zones present on the Silver Tip showing of the Midway property. Geochemical surveys, geologic mapping, trenching and drilling were recommended by B. Price, M.Sc., F.G.A.C., in 1980. The property was reviewed in 1982 by Glen E. White, P.Eng., who suggested pulse EM surveys in addition to geology and geochemistry. A 2-stage program with \$40,000 expenditure in Stage I and \$110,000 in Stage II (drilling) was recommended.

The above programs have proceeded in 1983 with highly encouraging results. Pb-Zn-Ag mineralization in addition to gold mineralization associated with a rhyolite (quartz-eye porphyry) have been intersected in a zone dipping and thickening to the east.

GEOLOGICAL EXAMINATION OF THE CLAIM GROUP (Map 1)

Most outcrop is located on the Blue 25 and 26 claims and immediate vicinity, and mapping at 1:5000 scale was concentrated in this area. A fault runs north-south through the saddle found on Blue 26 and brings limestone on the east (with steep easterly dip) into contact with interbedded quartzite and phyllite on the west (with steep westerly dip). This fault appears to extend northward into the YP claims where units having the same structural altitude are encountered. The eastern side of the fault is believed down-thrown with grey limestone possibly being correlative with limestones on the YP and Lydia claim groups to the north.

The lithologic sequence on the east side of this fault comprises phyllites (locally quartzite interbanded) overlain by quartzite. The lower part of the quartzite contains 1 to 2 cm bands of recessive weathering limestone (?) but becomes dense and massive higher in the section. This sequence in turn is overlain by medium-grey weathering limestone similar to that on the Lydia and YP claims.

The west side of the fault comprises a sequence containing units similar to that on the east but the limestone unit was not observed. In addition, a black argillite or siltstone unit about 70 m thick is found above the quartzite unit. This unit, the highest in the sequence, is intruded by biotite quartz monzonite of the Cassiar Batholith. In

addition, tan weathering fine-grained leucocratic dikes intrude both the quartz monzonite and the sediments. These late dikes are also observed at the sediment-batholith contact exposed on the YP claim group and hence appear to be a late border phase intrusion. A sample of these dikes was analyzed for As and Au but did not report any significant values.

Open concentric mesoscopic folding is common in the area. It is probable that the observed structural break represents an axial planar fault located within a larger scale north-south trending horizontal anticline.

GEOCHEMICAL EXAMINATION OF THE CLAIM GROUP (Map 1 and 2, Figure 5)

a) Methodology

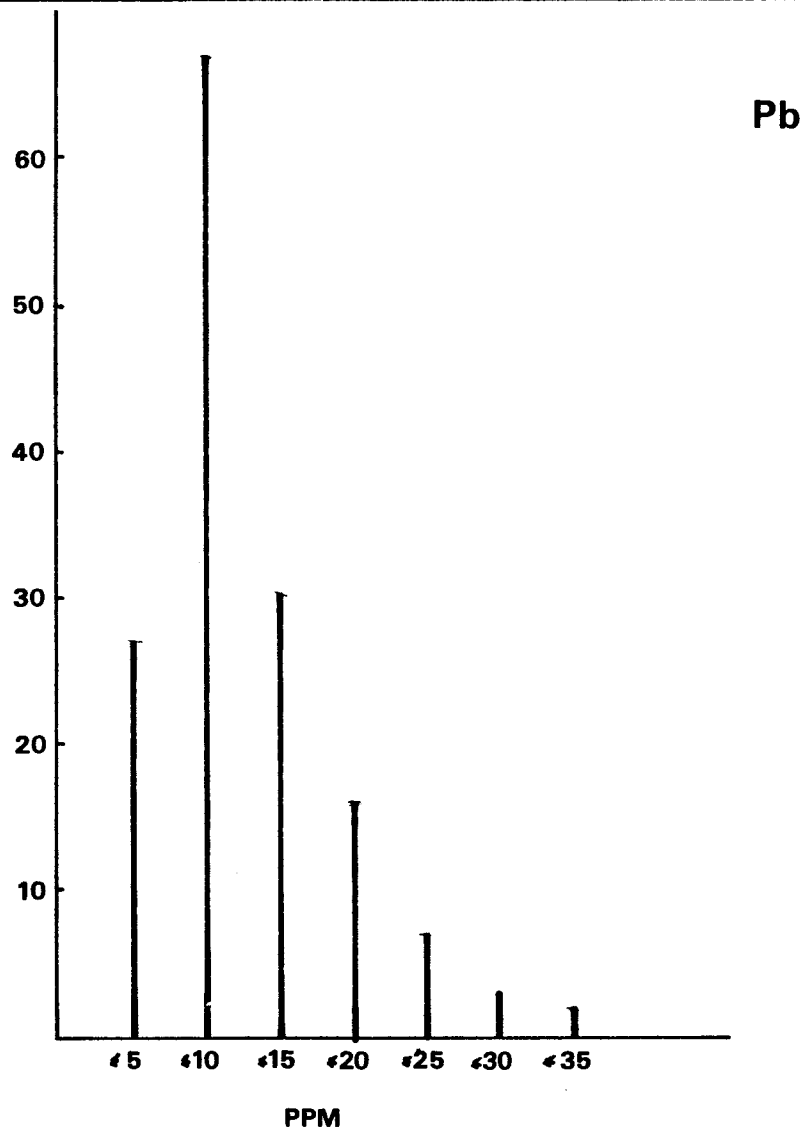
Soil samples were collected from the B-horizon excluding organic material as much as possible. Samples were analyzed by Chemex Labs in North Vancouver, B.C. for Pb, Zn, and Ag using atomic absorption spectrometry. Sample preparation included sieving to -80 mesh or to -35 mesh with grinding where there were insufficient fines.

Sampling was reconnaissance in extent and included sampling along claim lines and on crosslines spaced 250 m apart. Samples were taken at 50 m intervals. Sampling was concentrated along the assumed position of the sediment-batholith contact.

b. Results

Silver values 0.5 ppm and greater are posted on Map 2 in slightly larger numerals. The highest value (5.2 ppm) and a number of samples with values greater than 0.5 ppm cluster in the Blue 21 and Blue 22 claims and also in the Blue 27 and 28 claims.

Lead values are not very elevated throughout the claim group. Nevertheless, relative anomalous Pb (> 21 ppm, see Figure 5) values produce contours that, for the most part, enclose the anomalous silver samples. It is likely the Ag-Pb anomaly that trends discontinuously northeast from Blue 27 and 28 to Blue 21 and 22 (approximately 2.0 km long) would be defined better by more detailed sampling. As Pb values are not



BASED ON 153 RANDOM SELECTIONS

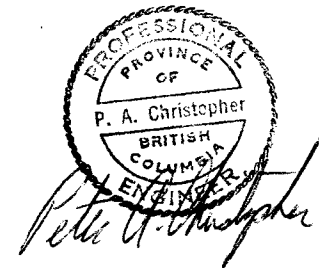


FIG:5

exceptionally high, the silver may be associated with arsenic or antimony (e.g., pyrargyrite, proustite, tetrahedrite and/or tennanite) and better anomaly definition might be obtained by soil analysis for Cu, Sb, and As as well as Ag and Pb.

A Pb and Zn anomaly is also found in a swampy area (Blue 7 and 8) but with no unusual Ag values except for one 1.4 ppm Ag sample. Higher Zn values (100 ppm +) are generally found within the 21 ppm Pb contour.

GEOPHYSICAL EXAMINATION OF THE CLAIM GROUP (Figure 6a to i)

a) Methodology

Several survey lines were completed using a Phoenix 2 VLF-EM unit to test the usefulness of this technique on the Blue claims. Approximately 12 km of surveying was completed using stations Hawaii at bearing 214° and Maryland at bearing 112° . Seattle bearing 153° was used occasionally when Hawaii was not broadcasting. Dip angles for two stations were recorded at each soil sample location (50 m apart) along claim lines and on selected crosslines. The results of nine traverses are presented in Figures 6a to i. All traverses are plotted north to south and west to east. Traverse locations are indicated on Map 1.

b) Results

Dip angles on all traverses show large variations and result in a large number of crossovers. The variations are believed a result of both conductive structures caused by faults and fractures developed at the edge of an intrusive body and lithologic contacts (e.g., argillite, limestone, quartzite, quartz monzonite) present in the area. The linespacing used in this preliminary work precludes a definitive interpretation because of the apparent complexities, however, the work indicates that VLF-EM employed in a systematic fashion on a detailed grid would provide useful structural information. Such work could be carried out concurrently with detailed soil sampling over the geochemically anomalous zones.

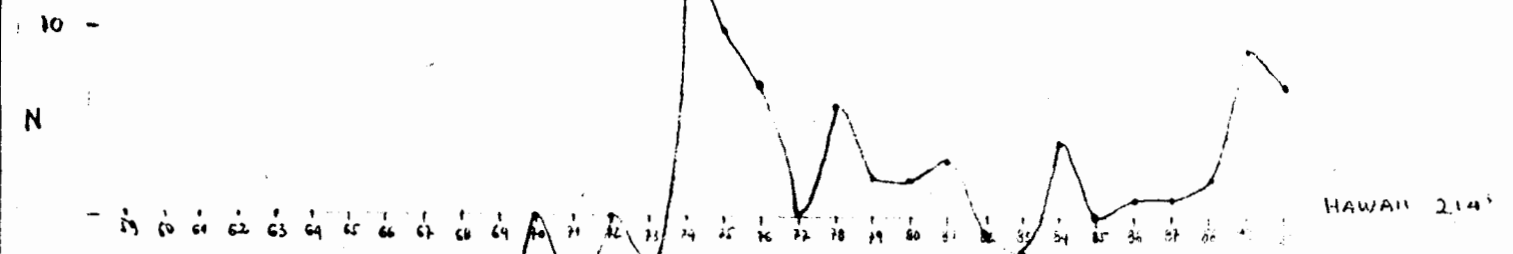


FIG:6a

NORTH-SOUTH TRAVERSE # 1

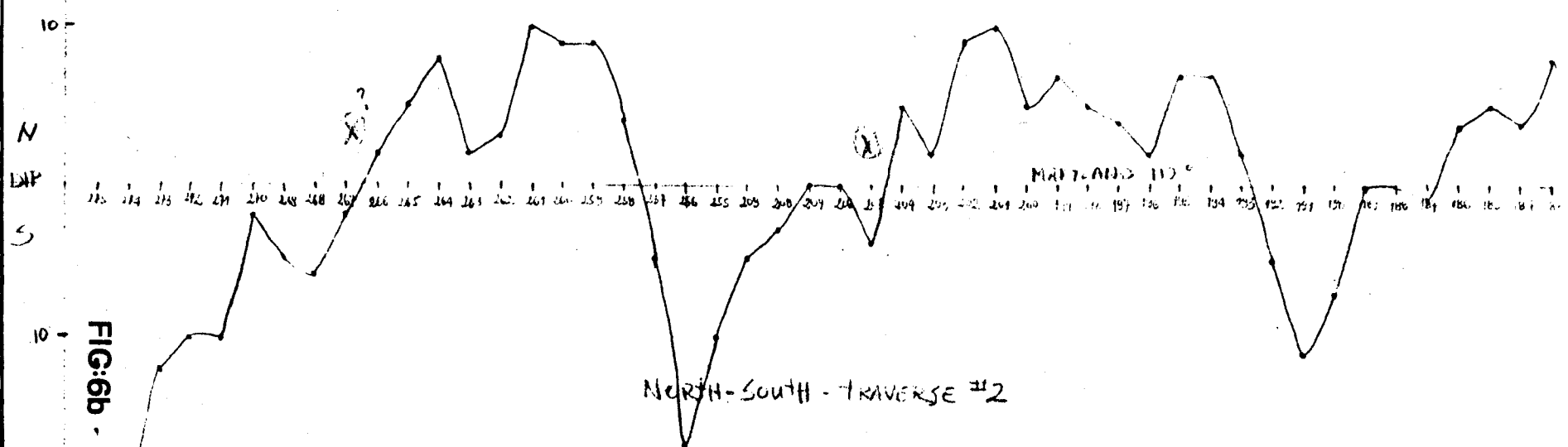
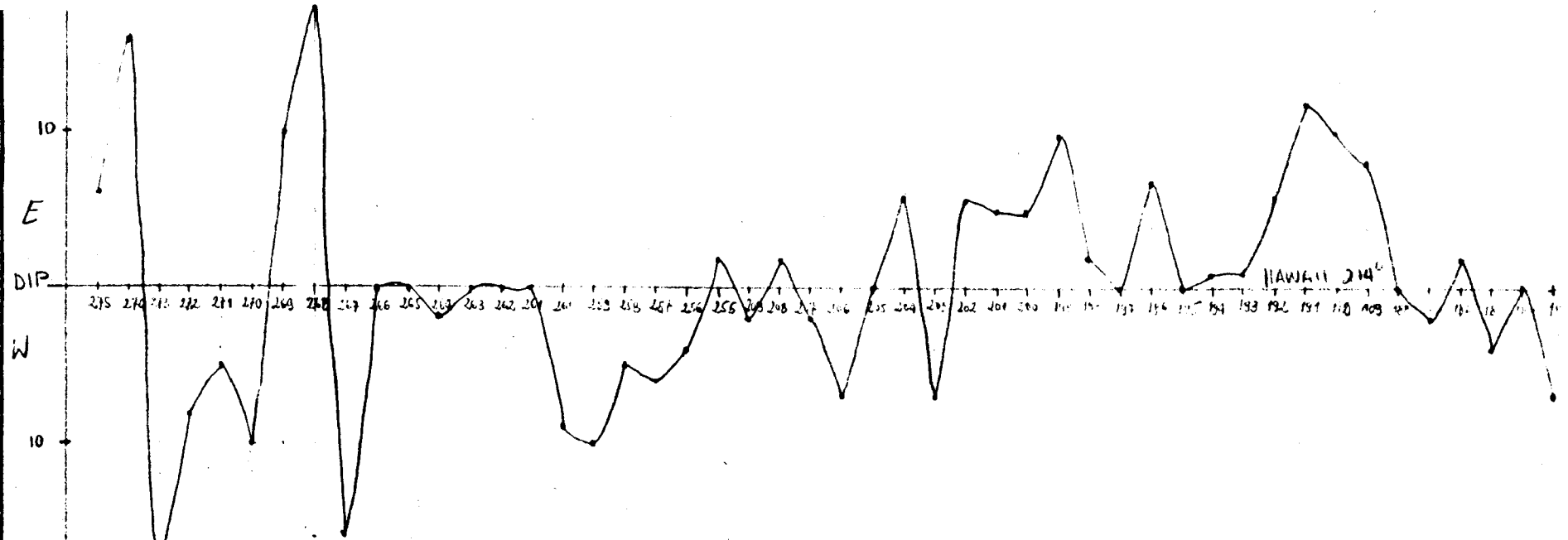


FIG:6b

NORTH-SOUTH - TRAVERSE #2

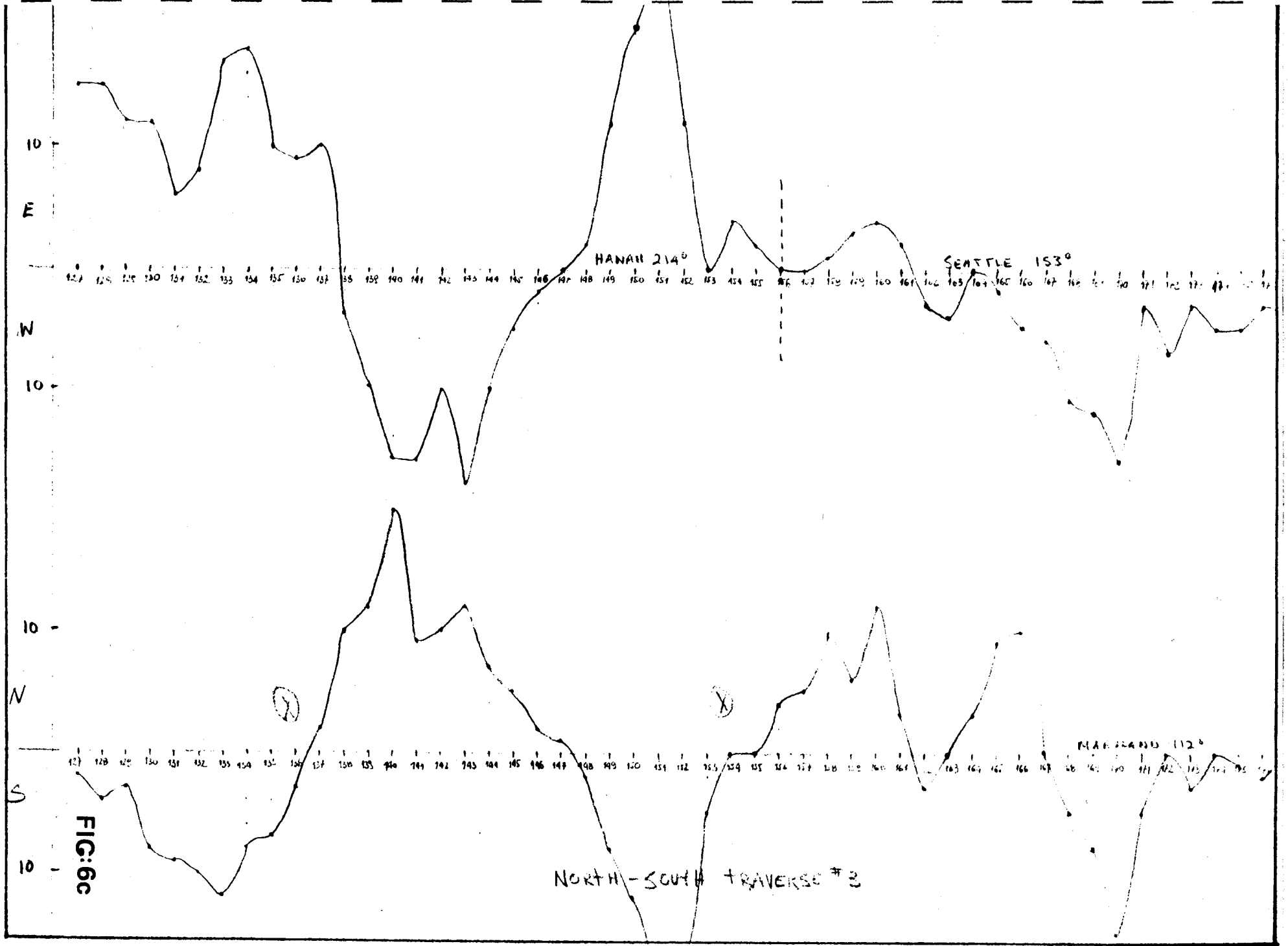
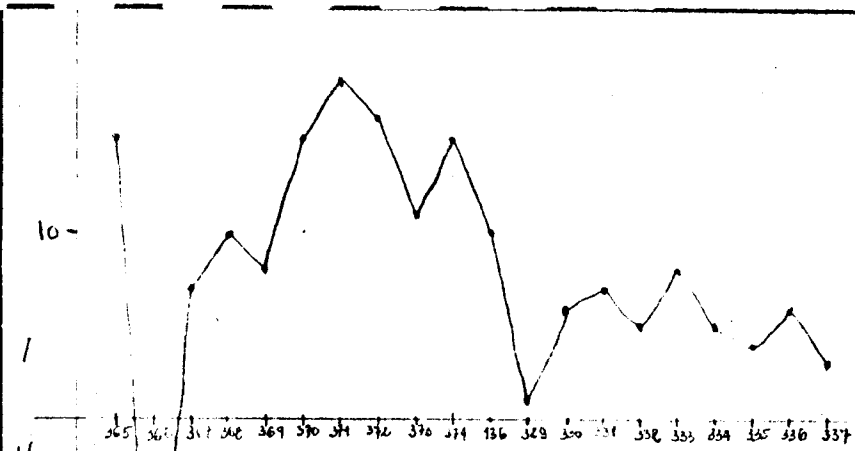
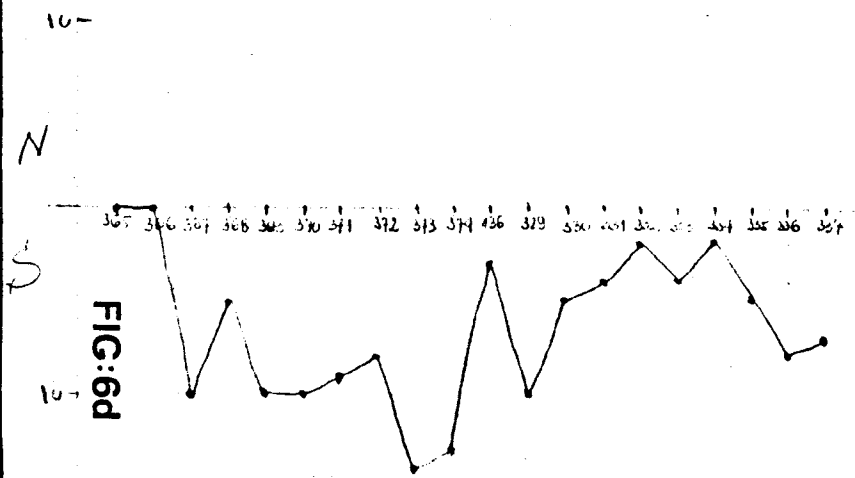


FIG:6c

NORTH-SOUTH TRAVERSE # 2



HAWAII 214°



MAKIANG 113°

WEST-EAST TRAVERSE # 4

FIG:6d

E

W

N

S

360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342

HAWAII 214°

360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342

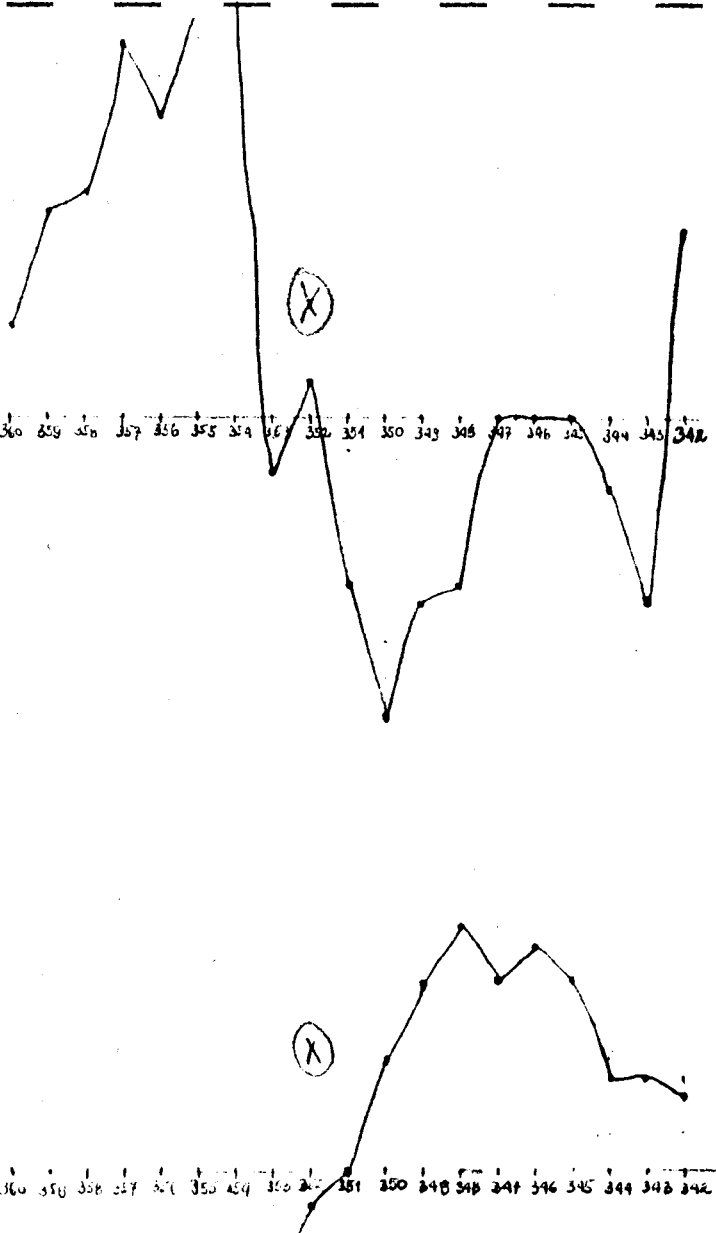
MAR. LANDS 112°

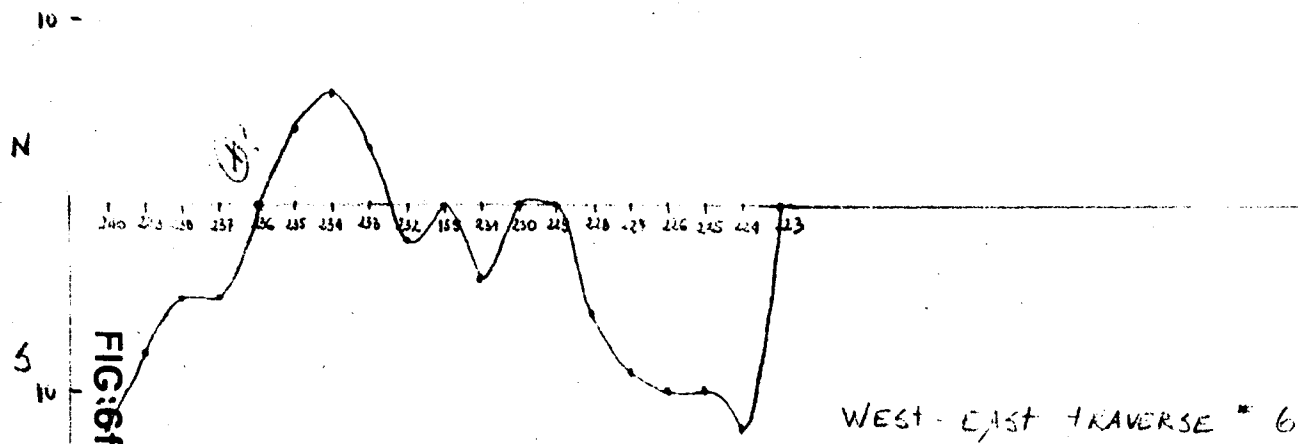
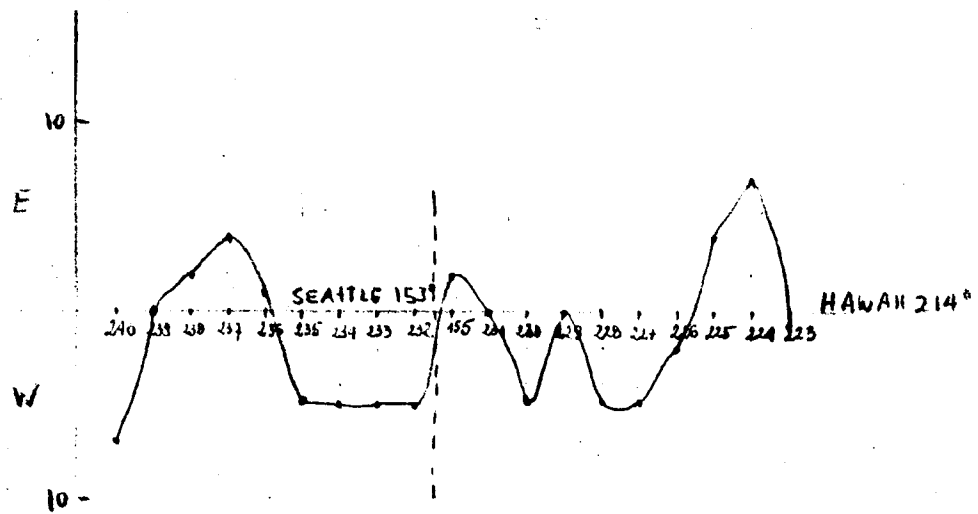
WEST-EAST TRAVERSE "S"

(X)

(X)

FIG:6e





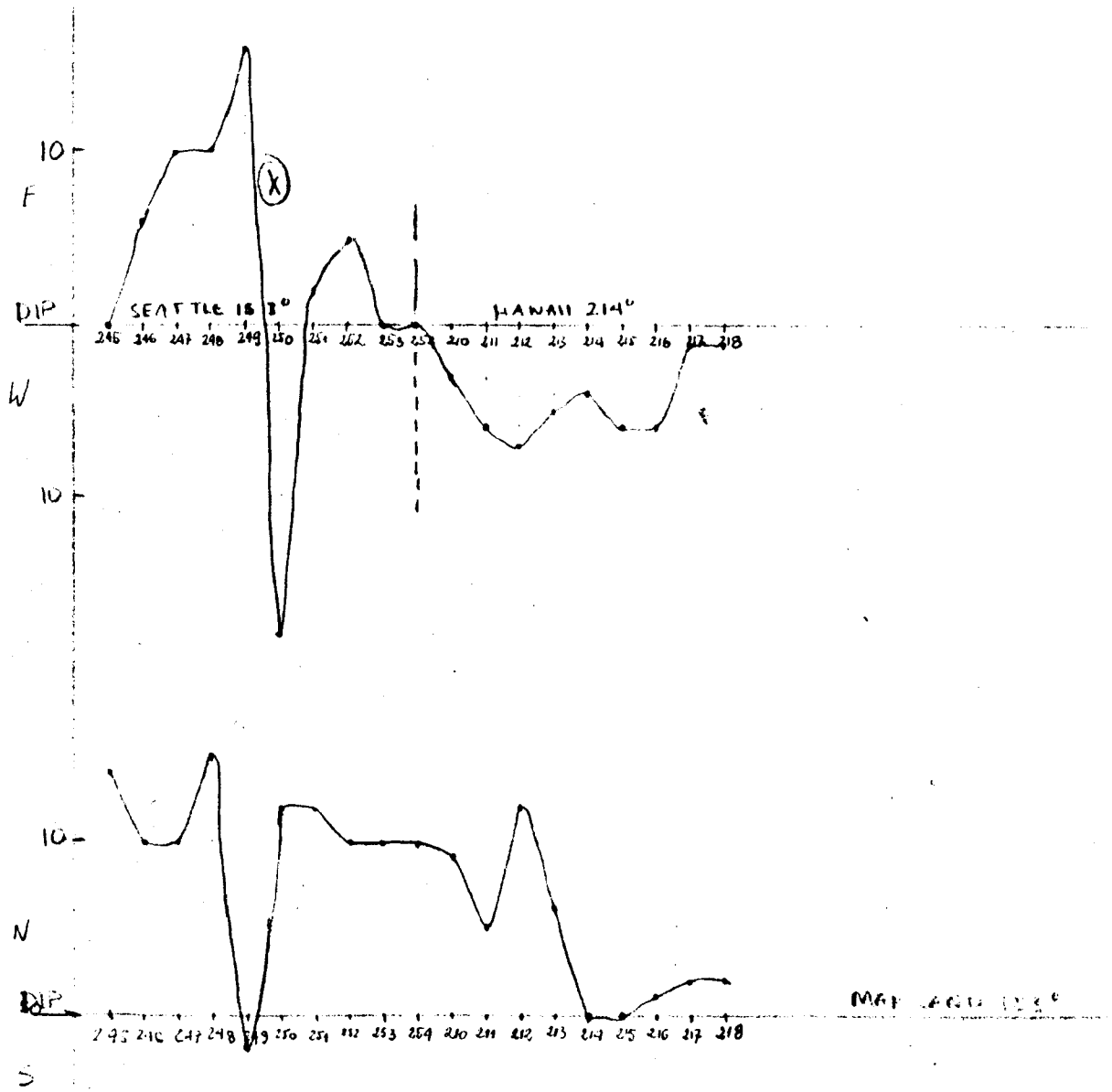


FIG:6g

WEST to EAST TRAVERSE #7

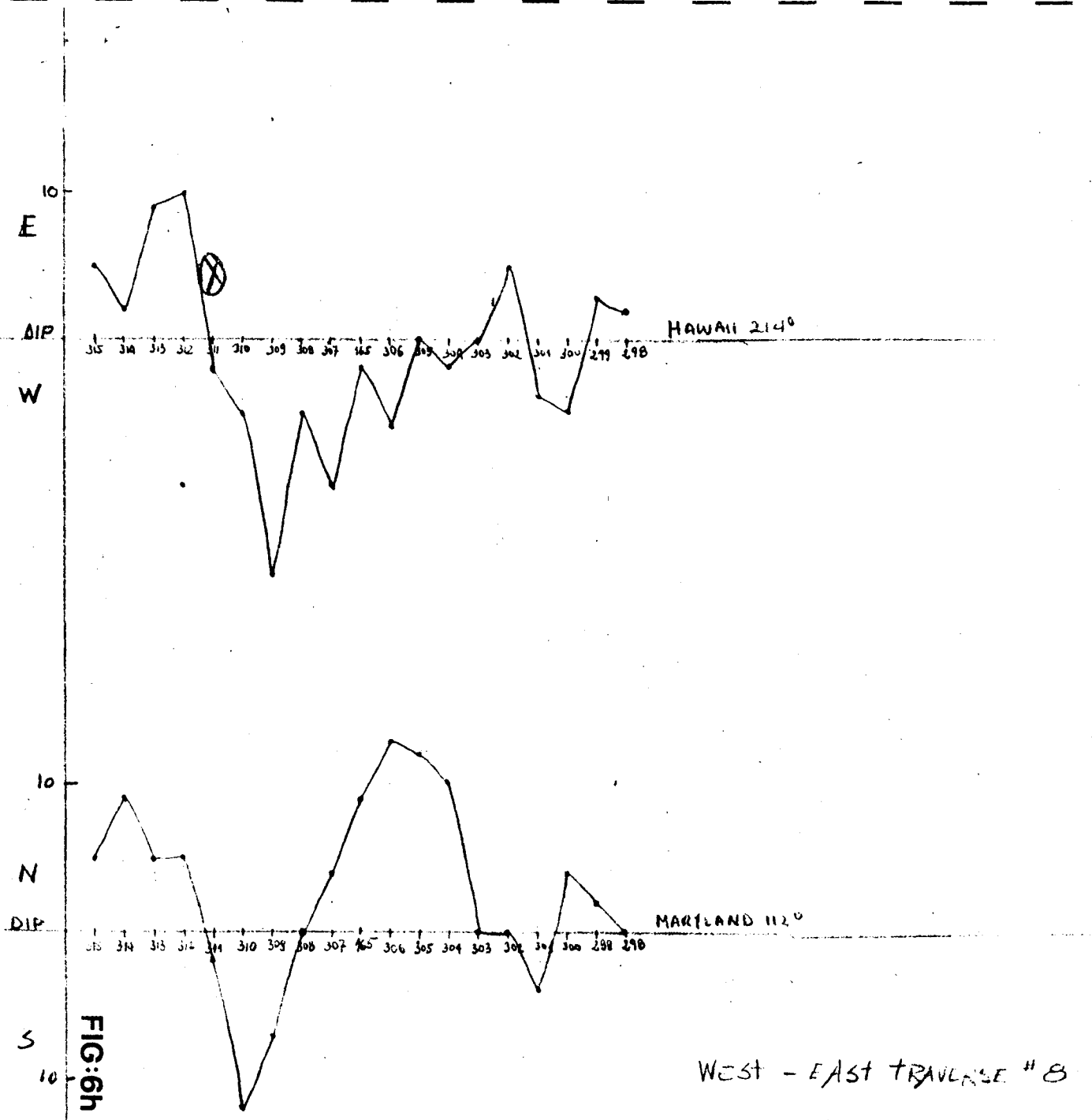


FIG:6h

WEST - EAST TRAVERSE # 8

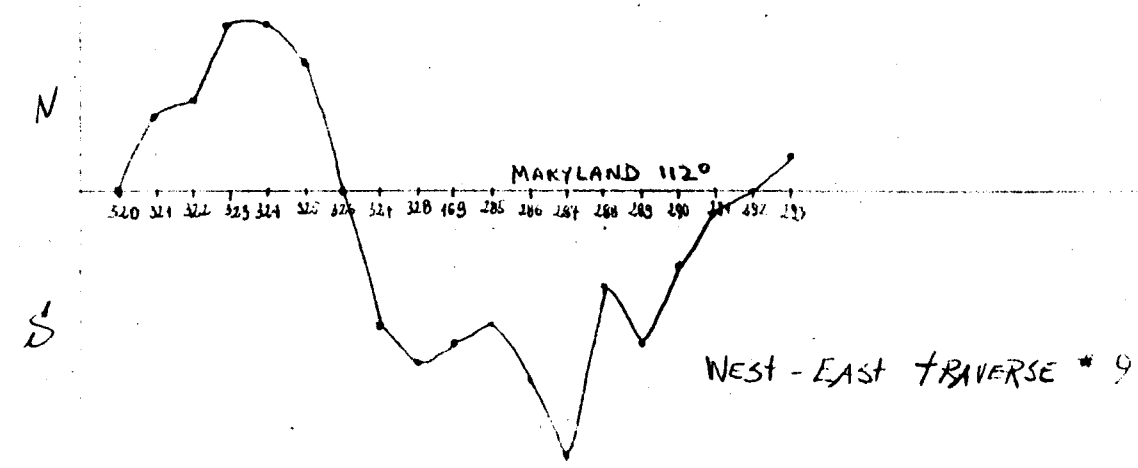
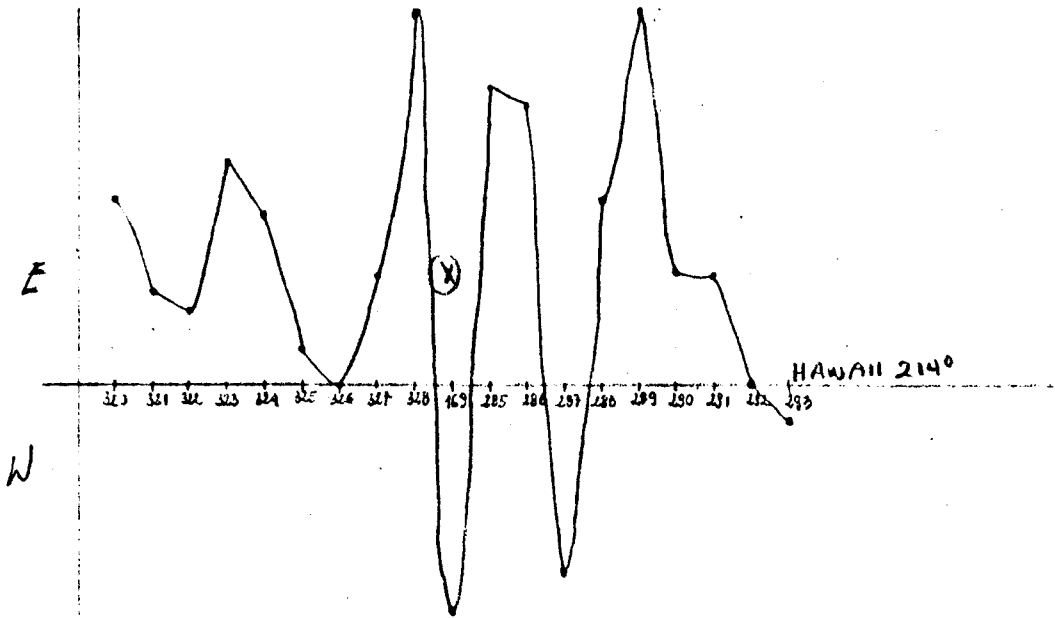


FIG:6i

The location of a number of crossovers are plotted on Map 1 based on an analysis of the present data and a few inferences made on the orientation of conductive zones. This interpretations should be considered tentative.

CONCLUSIONS

A Stage I reconnaissance exploration program has been successfully completed with the location of a significant Ag, Pb, Zn anomaly having a strike length of almost 2 km. In addition, conductive structures that could host mineralization were indicated by VLF-EM response. In order to locate potential drill targets, a Stage II detailed geochemical and geophysical follow-up program is warranted.

RECOMMENDATIONS


a) Stage II Follow-Up

It is recommended that a detailed soil geochemical grid be established over the existing Ag, Pb, Zn anomaly with linespacings of not more than 100 m and a sample interval of 25 m. Samples should be analyzed for Cu, Pb, Zn, Ag, As and Sb. High As soils should also be analyzed for gold. A VLF-EM survey should be carried out using soil sample locations as stations.

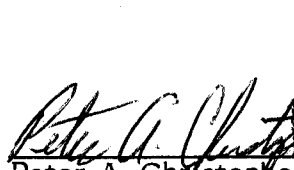
b) Stage II Cost Estimate

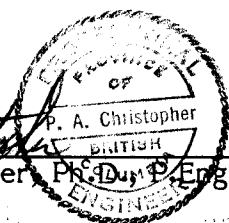
A 20 day program consisting of grid geochemical surveys, VLF-EM surveys, and trenching.

Consultant/Project Management		\$ 3,000
Project geologist	20 man days @ \$325	6,500
2 assistants	30 man days @ \$150	4,500
Mobilization/demob		3,000
Room/board	50 man days @ \$50	2,500
Vehicle	20 days @ \$125 all inclusive	2,500
Expendables	Flagging, chains, bags, etc.	500
Shipping		400
Soil samples	800 samples	10,000
Trenching	80 hours @ \$100 all inclusive	8,000
Base map		200
Report - maps, printing, typing, photocopies, etc.		700
Radio, telephone		200
Report 6 days @ 325		<u>1,750</u>
		43,950
	Contingency	<u>4,000</u>
	TOTAL	\$47,950



Gary A. Medford, Ph.D.



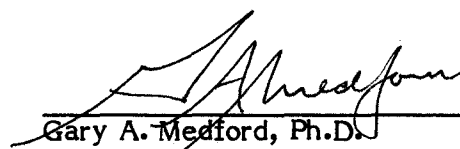
Peter A. Christopher, Ph.D., D. Eng.


November 25, 1983

CERTIFICATE

I, Gary A. Medford, with business address at 3582 West 14th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geologist and have been practising my profession for 15 years.
- 2) I am a graduate of McGill University with B.Sc. Honours (1968) and M.Sc. (1970) degrees in geology, and am a graduate of The University of British Columbia with a Ph.D. (1976) in geology.
- 3) I am a Fellow of the Geological Association of Canada.
- 4) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Acorn Resources Corp.



Gary A. Medford, Ph.D.

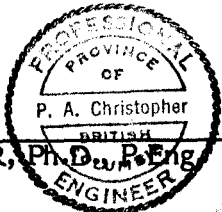


CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from The University of British Columbia.
- 4) I have been practising my profession as a Geologist for over 15 years.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Acorn Resources Corp.
- 6) I have based this report on fieldwork conducted between September 17 and September 26, 1983 on personal examinations of the property and on a review of adjacent properties.
- 7) I consent to the use of the report by Acorn Resources Corp. for whatever purposes it deems necessary.


PETER A. CHRISTOPHER, Ph.D., P.Eng.



The seal is circular with a double border. The outer border contains the text 'PROFESSIONAL ENGINEERS' at the bottom and 'PROVINCE OF' at the top. The inner border contains the text 'P. A. Christopher' in the center, with 'BRITISH COLUMBIA' written below it.

ITEMIZED COST STATEMENT

October 24, 1983

CREW

Gary Medford, Ph.D. 3583 West 14th Avenue Vancouver, B.C.	8.5 @ \$275.00	\$ 2,337.50
Les Demczuk, B.Sc. Geologist/Prospector 1769 East 12th Avenue Vancouver, B.C.	Sept. 17-25 & 28 10 days @	1,500.00
Gerry Hayne, B.Sc. Geological Assistant 20891 - 44th Avenue Langley, B.C. V3A 5A8	Sept. 17-25 & 28 10 days @	1,500.00
Peter Christopher, Ph.D., P.Eng. 3707 W. 34th Avenue Vancouver, B.C. V6N 2K9	Sept. 17, 14, 19 Oct. 1; 1 day office 5 days @ \$350.00	1,750.00

ROOM & BOARD 32.5 man days @ \$50.00 1,625.00

TRANSPORTATION

Truck Rental 10 days @ \$100.00/day
+ gas & repairs 1,300.00

Mobilization/Demobilization 1,500.00

RADIO & TELEPHONE 150.00

GEOCHEMICAL ANALYSIS Analyses 2,617.35
Shipping 143.15

EQUIPMENT RENTAL EM Unit 250.00

BASE MAP PREPARATION 200.00

CAMP MATERIALS, EXPENDABLES

Flagging 15 rolls @ 1.50 ea.	\$ 22.50	
Chain 14 rolls @ 5.00 ea.	70.00	
Soil Bags 625 @ 0.15 ea.	93.75	
Rock Bags 50 @ 0.15 ea.	7.50	
Note Books 4 @ 3.00 ea.	12.00	
Fuel 10 days @ 10.00/day	100.00	
Tape, Office Supplies, Misc.	50.00	
	<u>\$355.75</u>	355.75

REPORT PREPARATION

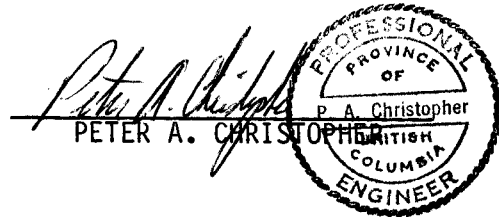
Drafting, Typing, Copies, Office, etc. 1,000.00

REPORT WRITING & CONSULTING

4 days @ \$350.00 1,400.00

TOTAL COSTS

\$17,628.75





CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315351-001-A
INVOICE # : I8315351
DATE : 6-OCT-83
P.C. # : NONE
BLUE

Sample description	Prep code	Pb ppr	Zn ppm	Ag ppr			
DSB-83925-133	201	3	31	0.1	--	--	--
DSB-83925-134	201	14	25	0.1	--	--	--
DSB-83925-135	201	6	31	0.1	--	--	--
DSB-83925-136	201	10	58	0.1	--	--	--
DSB-83925-137	201	7	54	0.1	--	--	--
DSB-83925-138	201	8	51	0.1	--	--	--
DSB-83925-139	201	6	48	0.1	--	--	--
DSB-83925-140	201	9	32	0.1	--	--	--
DSB-83925-141	201	7	44	0.1	--	--	--
DSB-83925-142	201	15	54	0.1	--	--	--
DSB-83925-143	201	15	47	0.1	--	--	--
DSB-83925-144	201	17	88	0.1	--	--	--
DSB-83925-145	201	29	87	0.1	--	--	--
HSB-83924-329	201	7	18	0.1	--	--	--
HSB-83924-330	201	19	109	0.8	--	--	--
HSB-83924-331	201	5	28	0.1	--	--	--
HSB-83924-332	201	14	30	0.1	--	--	--
HSB-83924-333	201	17	43	0.1	--	--	--
HSB-83924-334	201	5	39	0.1	--	--	--
HSB-83924-335	201	7	25	0.1	--	--	--
HSB-83924-336	201	3	17	0.1	--	--	--
HSB-83924-337	201	11	36	0.1	--	--	--
HSB-83924-338	201	6	29	0.1	--	--	--
HSB-83924-339	201	6	40	0.1	--	--	--
HSB-83924-340	201	4	37	0.1	--	--	--
HSB-83924-341	201	2	31	0.1	--	--	--
HSB-83924-342	201	6	43	0.1	--	--	--
HSB-83924-343	201	5	38	0.1	--	--	--
HSB-83924-344	201	16	75	0.1	--	--	--
HSB-83924-345	201	13	29	0.1	--	--	--
HSB-83924-346	201	8	43	0.1	--	--	--
HSB-83924-347	201	9	44	0.1	--	--	--
HSB-83924-348	201	6	39	0.1	--	--	--
HSB-83924-349	201	5	52	0.1	--	--	--
HSB-83924-350	201	6	79	0.1	--	--	--
HSB-83924-351	201	27	79	0.1	--	--	--
HSB-83924-352	201	21	210	0.1	--	--	--
HSB-83924-353	201	14	255	0.1	--	--	--
HSB-83924-354	201	20	78	0.1	--	--	--
HSB-83924-355	201	16	67	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315351-002-A
INVOICE # : I8315351
DATE : 6-OCT-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB-83924-356	201	10	52	0.1	--	--	--
HSB-83924-357	201	29	85	0.1	--	--	--
HSB-83924-358	201	6	46	0.1	--	--	--
HSB-83924-359	201	13	60	0.1	--	--	--
HSB-83924-360	201	18	76	0.1	--	--	--
HSB-83924-361	201	1	28	0.1	--	--	--
HSB-83924-362	201	10	42	0.1	--	--	--
HSB-83924-363	201	6	52	0.1	--	--	--
HSB-83924-364	201	3	44	0.1	--	--	--
HSB-83924-365	201	6	41	0.1	--	--	--
HSB-83924-366	201	13	82	0.1	--	--	--
HSB-83924-367	201	9	35	0.1	--	--	--
HSB-83924-368	201	7	46	0.1	--	--	--
HSB-83924-369	201	6	44	0.1	--	--	--
HSB-83924-370	201	12	66	0.1	--	--	--
HSB-83924-371	201	12	51	0.1	--	--	--
HSB-83924-372	201	4	27	0.2	--	--	--
HSB-83924-373	201	18	60	0.1	--	--	--
HSB-83924-374	201	12	91	0.1	--	--	--
HSB-83925-375	201	5	41	0.1	--	--	--
HSB-83925-376	201	7	62	0.1	--	--	--
HSB-83925-377	201	8	51	0.1	--	--	--
HSB-83925-378	201	12	56	0.1	--	--	--
HSB-83925-379	201	8	50	0.1	--	--	--
HSB-83925-380	201	7	55	0.1	--	--	--
HSB-83925-381	201	6	44	0.1	--	--	--
HSB-83925-382	201	6	35	0.1	--	--	--
HSB-83925-383	201	9	44	0.1	--	--	--
HSB-83925-384	201	6	42	0.1	--	--	--
HSB-83925-385	201	7	41	0.1	--	--	--
HSB-83925-386	201	5	39	0.1	--	--	--
HSB-83925-387	201	6	34	0.1	--	--	--
HSB-83925-388	201	6	34	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315069-001-A
INVOICE # : I8315069
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB-83917-38	201	8	107	0.1	--	--	--
HSB-83917-39	201	5	92	0.1	--	--	--
HSB-83917-40	201	6	166	0.1	--	--	--
HSB-83917-41	201	2	126	0.1	--	--	--
HSB-83917-42	201	5	90	0.1	--	--	--
HSB-83917-43	203	1	78	0.1	--	--	--
HSB-83917-44	201	9	97	0.1	--	--	--
HSB-83917-45	203	2	87	0.1	--	--	--
HSB-83917-46	203	1	67	0.1	--	--	--
HSB-83917-47	203	1	75	0.1	--	--	--
HSB-83917-48	203	8	126	0.1	--	--	--
HSB-83917-49	201	4	78	0.1	--	--	--
HSB-83917-50	201	4	85	0.1	--	--	--
HSB-83917-51	201	9	127	0.1	--	--	--
HSB-83917-52	201	5	77	0.1	--	--	--
HSB-83917-53	201	12	66	0.1	--	--	--
HSB-83917-54	203	3	90	0.1	--	--	--
HSB-83917-55	201	24	134	0.1	--	--	--
HSB-83917-56	201	23	98	0.1	--	--	--
HSB-83917-57	201	32	105	0.2	--	--	--
HSB-83917-58	201	11	120	0.1	--	--	--
DSB-83918-58	201	18	43	0.1	--	--	--
DSB-83918-59	201	24	40	0.1	--	--	--
DSB-83918-60	201	8	45	0.1	--	--	--
DSB-83918-61	201	14	30	0.1	--	--	--
DSB-83918-62	201	10	30	0.1	--	--	--
DSB-83918-63	201	10	48	0.1	--	--	--
DSB-83918-64	201	9	53	0.1	--	--	--
DSB-83918-65	201	10	55	0.1	--	--	--
DSB-83918-66	201	8	48	0.1	--	--	--
DSB-83918-67	201	14	48	0.1	--	--	--
DSB-83918-68	201	10	60	0.1	--	--	--
DSB-83918-69	201	9	50	0.1	--	--	--
DSB-83918-70	201	19	123	0.1	--	--	--
DSB-83918-71	201	16	94	0.1	--	--	--
DSB-83918-72	201	13	98	0.1	--	--	--
DSB-83918-73	201	17	51	0.1	--	--	--
DSB-83918-74	201	12	57	0.1	--	--	--
DSB-83918-75	201	10	44	0.1	--	--	--
DSB-83918-76	203	15	48	0.2	--	--	--



Certified by *Hart Buchler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315069-002-A
INVOICE # : I8315069
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
DSB-83918-77	201	16	90	0.1	--	--	--
DSB-83918-78	201	10	32	0.1	--	--	--
DSB-83918-79	201	9	33	0.1	--	--	--
DSB-83918-80	201	11	49	0.1	--	--	--
DSB-83918-81	201	2	56	0.1	--	--	--
DSB-83918-82	201	9	120	0.1	--	--	--
DSB-83918-83	201	7	53	0.1	--	--	--
DSB-83918-84	201	15	91	0.1	--	--	--
DSB-83918-85	201	21	175	0.1	--	--	--
DSB-83918-86	201	11	74	0.1	--	--	--
DSB-83918-87	201	15	83	0.1	--	--	--
DSB-83918-88	201	15	91	0.1	--	--	--
DSB-83918-89	201	13	33	0.1	--	--	--
DSB-83918-90	201	25	348	0.1	--	--	--
DSB-83918-91	201	16	144	0.1	--	--	--
DSB-83918-92	201	17	204	0.1	--	--	--
DSB-83918-93	201	12	350	0.1	--	--	--
HSB-83918-59	201	10	49	0.1	--	--	--
HSB-83918-60	201	8	33	0.1	--	--	--
HSB-83918-61	201	4	32	0.1	--	--	--
HSB-83918-62	201	10	34	0.1	--	--	--
HSB-83918-63	201	14	96	0.1	--	--	--
HSB-83918-64	201	13	69	0.1	--	--	--
HSB-83918-65	201	7	52	0.1	--	--	--
HSB-83918-66	201	33	122	0.1	--	--	--
HSB-83918-67	201	4	38	0.1	--	--	--
HSB-83918-68	201	22	200	0.2	--	--	--
HSB-83918-69	201	19	217	0.1	--	--	--
HSB-83918-70	201	10	94	0.1	--	--	--
HSB-83918-71	201	9	103	0.1	--	--	--
HSB-83918-72	201	12	278	0.1	--	--	--
HSB-83918-73	201	5	67	0.1	--	--	--
HSB-83918-74	201	7	76	0.1	--	--	--
HSB-83918-75	201	26	128	0.1	--	--	--
HSB-83918-76	201	10	71	0.1	--	--	--
HSB-83918-77	201	10	29	0.1	--	--	--
HSB-83918-78	201	8	48	0.1	--	--	--
HSB-83918-79	201	8	77	0.1	--	--	--
HSB-83918-80	201	10	84	0.1	--	--	--
HSB-83918-81	201	6	60	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315069-003-A
INVOICE # : 18315069
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB-83918-82	201	21	31	0.1	--	--	--
HSB-83918-83	201	27	94	3.2	--	--	--
HSB-83918-84	201	15	136	2.1	--	--	--
HSB-83918-85	201	10	56	0.1	--	--	--
HSB-83918-86	203	5	58	0.1	--	--	--
HSB-83918-87	201	17	28	0.1	--	--	--
HSB-83918-88	201	12	75	0.1	--	--	--
HSB-83918-89	201	15	30	0.1	--	--	--
HSB-83918-90	201	10	49	0.1	--	--	--
HSB-83918-91	201	5	37	0.1	--	--	--
HSB-83918-92	201	12	62	0.1	--	--	--
HSB-83918-93	201	20	57	0.4	--	--	--
HSB-83918-94	201	10	61	0.2	--	--	--
HSB-83918-95	201	10	68	0.2	--	--	--
HSB-83918-96	201	11	93	0.1	--	--	--
HSB-83918-97	201	15	58	0.1	--	--	--
HSB-83918-98	201	9	17	0.1	--	--	--
HSB-83918-99	201	11	53	0.1	--	--	--
HSB-83918-100	201	8	24	0.1	--	--	--
HSB-83918-101	201	3	20	0.1	--	--	--
HSB-83918-102	201	34	182	0.7	--	--	--
HSB-83918-103	201	16	99	0.3	--	--	--
HSB-83918-104	201	10	91	0.5	--	--	--
HSB-83918-105	201	8	26	0.1	--	--	--
HSB-83918-106	201	12	62	0.1	--	--	--
HSB-83918-107	201	18	140	0.1	--	--	--
HSB-83918-108	201	12	54	0.3	--	--	--
HSB-83918-109	201	12	33	0.1	--	--	--
HSB-83918-110	201	8	90	0.1	--	--	--
HSB-83918-111	201	17	147	0.1	--	--	--
HSB-83918-112	201	18	339	0.1	--	--	--
HSB-83918-113	201	12	78	0.1	--	--	--
HSB-83918-114	201	10	110	0.1	--	--	--
HSB-83918-115	201	6	56	0.1	--	--	--
HSB-83918-116	201	4	60	0.1	--	--	--
HSB-83918-117	201	14	42	0.1	--	--	--
HSB-83918-118	201	6	40	0.1	--	--	--
HSB-83918-119	201	9	22	0.1	--	--	--
HSB-83918-120	201	14	94	0.1	--	--	--
HSB-83918-121	201	7	46	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315069-004-A
INVOICE # : 18315069
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB-83918-122	201	5	35	0.1	--	--	--
HSB-83918-123	201	4	42	0.1	--	--	--
HSB-83918-124	201	7	40	0.1	--	--	--
HSB-83918-125	201	5	42	0.1	--	--	--
HSB-83918-126	201	9	34	0.1	--	--	--
HSBT-83918-84 A	203	15	90	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
 VANCOUVER, B.C.
 V6N 2K9

CERT. # : A8315193-001-A
 INVOICE # : I8315193
 DATE : 30-SEP-83
 P.O. # : NONE
 BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
DSB 83919-094	201	11	34	0.2	--	--	--
DSB 83919-095	201	9	66	0.1	--	--	--
DSB 83919-096	201	9	65	0.1	--	--	--
DSB 83919-097	201	7	60	0.1	--	--	--
DSB 83919-098	201	8	47	0.1	--	--	--
DSB 83919-099	201	11	61	0.1	--	--	--
DSB 83919-100	201	5	56	0.1	--	--	--
DSB 83919-101	201	6	59	0.1	--	--	--
DSB 83919-102	201	7	30	0.1	--	--	--
DSB 83919-103	201	7	50	0.1	--	--	--
DSB 83919-104	201	13	16	0.5	--	--	--
DSB 83919-105	201	7	53	0.1	--	--	--
DSB 83919-106	201	27	41	0.1	--	--	--
DSB 83919-107	201	17	54	0.2	--	--	--
DSB 83919-108	201	11	70	0.1	--	--	--
DSB 83919-109	201	11	68	0.1	--	--	--
DSB 83919-110	201	33	65	0.4	--	--	--
DSB 83919-111	201	14	67	0.1	--	--	--
DSB 83919-112	201	8	48	0.4	--	--	--
DSB 83919-113	201	10	58	0.1	--	--	--
DSB 83919-114	201	40	135	1.1	--	--	--
DSB 83919-115	201	39	106	0.5	--	--	--
DSB 83919-116	201	12	86	0.1	--	--	--
DSB 83919-117	201	12	66	0.1	--	--	--
DSB 83919-118	201	14	67	0.1	--	--	--
DSB 83921-119	201	7	51	0.1	--	--	--
DSB 83921-120	201	14	84	0.1	--	--	--
DSB 83921-121	201	10	51	0.1	--	--	--
DSB 83921-122	201	7	69	0.1	--	--	--
DSB 83921-123	201	33	159	0.5	--	--	--
DSB 83920-124	201	5	30	0.1	--	--	--
DSB 83920-125	201	20	98	0.6	--	--	--
DSB 83921-126	201	17	75	0.5	--	--	--
DSB 83920-127	201	6	60	0.1	--	--	--
DSB 83921-128	201	4	46	0.1	--	--	--
DSB 83921-129	201	6	55	0.1	--	--	--
DSB 83921-130	201	5	71	0.1	--	--	--
DSB 83921-131	201	9	72	0.1	--	--	--
DSB 83921-132	201	48	72	0.3	--	--	--
HSB 83919-127	201	20	150	0.5	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
 VANCOUVER, B.C.
 V6N 2K9

CERT. # : A8315193-002-A
 INVOICE # : I8315193
 DATE : 30-SEP-83
 P.O. # : NONE
 BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB 83919-128	201	8	33	0.1	--	--	--
HSB 83919-129	201	13	82	0.1	--	--	--
HSB 83919-130	201	9	47	0.1	--	--	--
HSB 83919-131	201	10	52	0.1	--	--	--
HSB 83919-132	201	6	59	0.1	--	--	--
HSB 83919-133	201	12	111	0.1	--	--	--
HSB 83919-134	201	11	90	0.2	--	--	--
HSB 83919-135	203	2	32	0.1	--	--	--
HSB 83919-136	201	8	41	0.1	--	--	--
HSB 83919-137	201	31	130	0.4	--	--	--
HSB 83919-138	201	8	32	0.1	--	--	--
HSB 83919-139	203	17	120	0.1	--	--	--
HSB 83919-140	201	12	90	0.2	--	--	--
HSB 83919-141	201	6	59	0.1	--	--	--
HSB 83919-142	201	5	106	0.1	--	--	--
HSB 83919-143	201	7	68	0.1	--	--	--
HSB 83919-144	201	7	54	0.1	--	--	--
HSB 83919-145	201	7	50	0.1	--	--	--
HSB 83919-146	201	19	68	0.1	--	--	--
HSB 83919-147	201	10	105	0.1	--	--	--
HSB 83919-148	201	8	68	0.1	--	--	--
HSB 83919-149	201	12	51	0.1	--	--	--
HSB 83919-150	201	7	90	0.9	--	--	--
HSB 83919-151	201	20	94	0.1	--	--	--
HSB 83919-152	201	17	105	0.5	--	--	--
HSB 83919-153	201	16	98	0.5	--	--	--
HSB 83919-154	201	27	165	0.8	--	--	--
HSB 83919-155	201	9	63	0.1	--	--	--
HSB 83919-156	201	17	80	0.4	--	--	--
HSB 83919-157	201	26	132	1.8	--	--	--
HSB 83919-158	201	20	88	0.7	--	--	--
HSB 83919-159	201	9	57	0.1	--	--	--
HSB 83919-160	201	18	82	0.1	--	--	--
HSB 83919-161	201	13	85	0.1	--	--	--
HSB 83919-162	201	14	68	0.1	--	--	--
HSB 83919-163	201	12	71	0.1	--	--	--
HSB 83919-164	201	14	51	0.2	--	--	--
HSB 83919-165	201	18	64	0.3	--	--	--
HSB 83919-166	201	12	39	0.1	--	--	--
HSB 83919-167	201	17	53	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315193-003-A
INVOICE # : I8315193
DATE : 30-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB 83919-168	201	33	58	0.1	--	--	--
HSB 83919-169	201	17	63	0.1	--	--	--
HSB 83919-170	201	10	48	0.1	--	--	--
HSB 83919-171	201	8	48	0.1	--	--	--
HSB 83919-172	201	10	40	0.1	--	--	--
HSB 83919-173	201	7	55	0.1	--	--	--
HSB 83919-174	201	12	57	0.1	--	--	--
HSB 83919-175	201	9	60	0.1	--	--	--
HSB 83919-176	201	9	58	0.1	--	--	--
HSB 83919-177	201	13	72	0.1	--	--	--
HSB 83919-178	201	12	66	0.1	--	--	--
HSB 83919-179	201	15	53	0.1	--	--	--
HSB 83919-180	201	6	47	0.1	--	--	--
HSB 83919-181	201	10	68	0.1	--	--	--
HSB 83919-182	201	10	58	0.1	--	--	--
HSB 83919-183	201	9	56	0.1	--	--	--
HSB 83919-184	201	10	68	0.1	--	--	--
HSB 83919-185	203	5	49	0.1	--	--	--
HSB 83919-186	201	13	59	0.1	--	--	--
HSB 83919-187	201	9	37	0.1	--	--	--
HSB 83919-188	201	9	61	0.1	--	--	--
HSB 83919-189	201	10	72	0.1	--	--	--
HSB 83919-190	201	11	46	0.1	--	--	--
HSB 83919-191	201	6	72	0.1	--	--	--
HSB 83919-192	201	13	31	0.1	--	--	--
HSB 83919-193	201	9	138	0.1	--	--	--
HSB 83919-194	201	7	121	1.4	--	--	--
HSB 83919-195	201	18	74	0.1	--	--	--
HSB 83919-196	201	48	46	0.1	--	--	--
HSB 83919-197	201	24	83	0.1	--	--	--
HSB 83919-198	201	15	68	0.1	--	--	--
HSB 83919-199	201	9	62	0.1	--	--	--
HSB 83919-200	201	17	98	0.1	--	--	--
HSB 83919-201	201	9	35	0.1	--	--	--
HSB 83919-202	201	40	210	0.9	--	--	--
HSB 83919-203	203	6	68	0.1	--	--	--
HSB 83919-204	201	23	119	2.0	--	--	--
HSB 83919-205	201	36	160	1.6	--	--	--
HSB 83919-206	201	8	54	0.5	--	--	--
HSB 83919-207	203	16	118	0.5	--	--	--



Certified by Hart Bichler



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315193-004-A
INVOICE # : I8315193
DATE : 30-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB 83919-208	201	23	170	5.2	--	--	--
HSB 83919-209	201	21	121	1.5	--	--	--
HSB 83920-210	201	10	52	0.1	--	--	--
HSB 83920-211	201	11	62	0.1	--	--	--
HSB 83920-212	201	24	108	0.8	--	--	--
HSB 83920-213	201	15	100	1.6	--	--	--
HSB 83920-214	201	10	75	0.3	--	--	--
HSB 83920-215	201	11	87	1.4	--	--	--
HSB 83920-216	201	23	131	1.0	--	--	--
HSB 83920-217	201	11	76	0.1	--	--	--
HSB 83920-218	201	43	116	0.5	--	--	--
HSB 83920-219	201	24	134	0.5	--	--	--
HSB 83920-220	201	30	255	1.0	--	--	--
HSB 83920-221	201	23	166	2.4	--	--	--
HSB 83920-222	201	15	45	0.1	--	--	--
HSB 83920-223	201	11	33	0.1	--	--	--
HSB 83920-224	201	11	75	0.1	--	--	--
HSB 83920-225	201	19	166	1.0	--	--	--
HSB 83920-226	201	24	221	2.0	--	--	--
HSB 83920-227	201	29	217	2.8	--	--	--
HSB 83920-228	201	36	211	1.2	--	--	--
HSB 83920-229	201	25	166	1.0	--	--	--
HSB 83920-230	201	26	35	0.1	--	--	--
HSB 83920-231	201	37	219	0.7	--	--	--
HSB 83921-232	201	27	209	1.4	--	--	--
HSB 83921-233	201	9	50	1.3	--	--	--
HSB 83921-234	201	24	164	0.5	--	--	--
HSB 83921-235	201	1	33	0.1	--	--	--
HSB 83921-236	201	37	77	0.3	--	--	--
HSB 83921-237	201	14	76	0.1	--	--	--
HSB 83921-238	201	9	70	0.1	--	--	--
HSB 83921-239	201	8	71	0.1	--	--	--
HSB 83921-240	201	3	51	0.1	--	--	--
HSB 83921-241	201	14	70	0.1	--	--	--
HSB 83921-242	201	12	70	0.1	--	--	--
HSB 83921-243	201	4	47	0.1	--	--	--
HSB 83921-244	201	11	70	0.1	--	--	--
HSB 83921-245	201	11	48	0.1	--	--	--
HSB 83921-246	201	12	65	0.1	--	--	--
HSB 83921-247	201	11	58	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315193-005-A
INVOICE # : I8315193
DATE : 30-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB 83921-248	201	50	190	0.5	--	--	--
HSB 83921-249	201	23	152	0.9	--	--	--
HSB 83921-250	201	22	102	1.2	--	--	--
HSB 83921-251	201	22	91	1.5	--	--	--
HSB 83921-252	201	27	111	0.7	--	--	--
HSB 83921-253	201	17	99	0.3	--	--	--
HSB 83921-254	201	35	119	0.4	--	--	--
HSB 83921-255	201	10	44	0.1	--	--	--
HSB 83921-256	201	32	172	0.5	--	--	--
HSB 83921-257	201	23	46	0.1	--	--	--
HSB 83921-258	201	11	71	0.2	--	--	--
HSB 83921-259	201	12	84	0.1	--	--	--
HSB 83921-260	201	18	53	0.1	--	--	--
HSB 83921-261	201	13	67	0.1	--	--	--
HSB 83921-262	201	10	34	0.1	--	--	--
HSB 83921-263	201	8	59	0.1	--	--	--
HSB 83921-264	201	13	70	0.1	--	--	--
HSB 83921-265	201	9	58	0.1	--	--	--
HSB 83921-266	201	7	45	0.1	--	--	--
HSB 83921-267	201	6	48	0.1	--	--	--
HSB 83921-268	201	8	44	0.1	--	--	--
HSB 83921-269	201	6	43	0.1	--	--	--
HSB 83921-270	201	8	51	0.1	--	--	--
HSB 83921-271	201	5	51	0.1	--	--	--
HSB 83921-272	201	7	38	0.1	--	--	--
HSB 83921-273	201	13	72	0.1	--	--	--
HSB 83921-274	201	3	47	0.1	--	--	--
HSB 83921-275	201	6	49	0.1	--	--	--
HSB 83921-276	201	8	36	0.1	--	--	--
HSB 83921-277	201	9	40	0.1	--	--	--
HSB 83921-278	201	8	53	0.1	--	--	--
HSB 83921-279	201	11	60	0.1	--	--	--
HSB 83921-280	201	6	20	0.1	--	--	--
HSB 83921-281	201	21	55	0.1	--	--	--
HSB 83921-282	201	14	54	0.1	--	--	--
HSB 83921-283	201	7	31	0.1	--	--	--
HSB 83922-284	201	4	31	0.1	--	--	--
HSB 83922-285	201	10	46	0.1	--	--	--
HSB 83922-286	201	22	76	0.1	--	--	--
HSB 83922-287	201	14	48	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315193-006-A
INVOICE # : I8315193
DATE : 30-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
HSB 83922-288	201	13	99	0.1	--	--	--
HSB 83922-289	201	7	80	0.1	--	--	--
HSB 83922-290	201	16	42	0.1	--	--	--
HSB 83922-291	201	7	64	0.1	--	--	--
HSB 83922-292	201	5	29	0.1	--	--	--
HSB 83922-293	201	18	29	0.1	--	--	--
HSB 83922-294	201	14	47	0.5	--	--	--
HSB 83922-295	201	11	34	0.1	--	--	--
HSB 83922-296	201	12	84	0.1	--	--	--
HSB 83922-297	201	6	49	0.1	--	--	--
HSB 83922-298	201	11	39	0.1	--	--	--
HSB 83922-299	201	10	122	0.1	--	--	--
HSB 83922-300	201	10	83	0.1	--	--	--
HSB 83922-301	201	11	96	0.1	--	--	--
HSB 83922-302	201	33	82	0.1	--	--	--
HSB 83922-303	201	35	53	0.1	--	--	--
HSB 83922-304	201	18	54	0.1	--	--	--
HSB 83922-305	201	17	37	0.1	--	--	--
HSB 83922-306	201	21	74	0.1	--	--	--
HSB 83922-307	201	18	60	0.1	--	--	--
HSB 83922-308	201	31	72	0.5	--	--	--
HSB 83922-309	201	8	50	0.1	--	--	--
HSB 83922-310	201	50	100	0.9	--	--	--
HSB 83922-311	201	21	30	0.1	--	--	--
HSB 83922-312	201	12	66	0.1	--	--	--
HSB 83922-313	201	19	47	0.1	--	--	--
HSB 83922-314	201	12	75	0.1	--	--	--
HSB 83922-315	201	15	67	0.1	--	--	--
HSB 83922-316	201	12	57	0.1	--	--	--
HSB 83922-317	201	23	68	0.2	--	--	--
HSB 83922-318	201	12	68	0.1	--	--	--
HSB 83922-319	201	9	55	0.1	--	--	--
HSB 83922-320	201	30	109	1.7	--	--	--
HSB 83922-321	201	30	80	1.9	--	--	--
HSB 83922-322	201	10	57	0.2	--	--	--
HSB 83922-323	201	27	30	0.1	--	--	--
HSB 83922-324	201	15	47	0.1	--	--	--
HSB 83922-325	201	20	39	1.9	--	--	--
HSB 83922-326	201	7	54	0.1	--	--	--
HSB 83922-327	201	13	47	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315068-001-A
INVOICE # : I8315068
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
CBS-83917-01	201	8	366	0.1	--	--	--
CBS-83917-02	201	4	39	0.1	--	--	--
CBS-83917-03	201	6	45	0.1	--	--	--
CBS-83917-04	201	8	70	0.1	--	--	--
CBS-83917-05	201	5	65	0.1	--	--	--
CBS-83917-06	201	4	67	0.1	--	--	--
CBS-83917-07	201	5	67	0.1	--	--	--
CBS-83917-08	201	11	198	0.2	--	--	--
CBS-83917-09	201	8	67	0.1	--	--	--
CBS-83917-10	201	5	70	0.1	--	--	--
CBS-83917-11	201	6	46	0.1	--	--	--
CBS-83917-12	201	3	37	0.1	--	--	--
CBS-83917-13	201	4	45	0.1	--	--	--
CBS-83917-14	201	6	50	0.1	--	--	--
CBS-83917-15	201	6	48	0.2	--	--	--
CBS-83917-16	201	11	38	0.1	--	--	--
CBS-83917-17	201	12	45	0.1	--	--	--
CBS-83917-18	201	11	43	0.1	--	--	--
CBS-83917-19	201	5	58	0.1	--	--	--
CBS-83917-20	201	46	114	0.2	--	--	--
CBS-83917-21	203	26	182	1.5	--	--	--
CBS-83917-22	201	39	171	1.5	--	--	--
CBS-83917-23	201	28	87	0.2	--	--	--
CBS-83917-24	201	34	67	1.0	--	--	--
CBS-83917-25	201	25	46	0.1	--	--	--
CBS-83917-26	201	30	46	0.9	--	--	--
CBS-83917-27	201	29	48	0.7	--	--	--
CBS-83917-28	201	42	158	1.3	--	--	--
CBS-83917-29	201	30	90	0.1	--	--	--
CBS-83917-30	201	44	206	0.9	--	--	--
CBS-83917-31	201	26	51	0.1	--	--	--
CBS-83917-32	201	29	128	0.4	--	--	--
CBS-83917-33	201	36	206	0.5	--	--	--
CBS-83917-34	201	42	200	0.6	--	--	--
CBS-83917-35	203	8	45	0.1	--	--	--
CBS-83917-36	201	18	33	0.2	--	--	--
CBS-83917-37	201	2	40	0.1	--	--	--
CBS-83917-38	201	5	54	0.1	--	--	--
CBS-83917-39	201	3	16	0.1	--	--	--
CBS-83917-40	201	30	92	0.5	--	--	--



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315068-002-A
INV. # : I8315068
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
CBS-83917-41	201	20	24	0.1	--	--	--
CBS-83917-42	201	8	17	0.1	--	--	--
CBS-83917-43	201	18	25	0.1	--	--	--
CBS-83917-44	201	10	50	0.1	--	--	--
CBS-83917-45	201	13	53	0.1	--	--	--
CBS-83917-46	201	38	42	0.3	--	--	--
CBS-83917-47	201	17	48	0.1	--	--	--
CBS-83917-48	201	19	41	0.1	--	--	--
CBS-83917-49	201	8	52	0.1	--	--	--
CBS-83917-50	201	11	43	0.1	--	--	--
CBS-83917-51	201	11	45	0.1	--	--	--
CBS-83917-52	201	8	48	0.1	--	--	--
CBS-83917-53	201	8	54	0.1	--	--	--
CBS-83917-54	201	5	32	0.1	--	--	--
CBS-83917-55	201	11	46	0.1	--	--	--
CBS-83917-56	201	10	60	0.1	--	--	--
CBS-83917-57	201	12	48	0.1	--	--	--
CBS-83917-58	201	1	29	0.1	--	--	--
CBS-83917-59	201	26	79	0.1	--	--	--
CBS-83917-60	201	38	107	0.1	--	--	--
CBS-83917-61	201	10	45	0.1	--	--	--
CBS-83917-62	201	8	41	0.1	--	--	--
CBS-83917-63	201	8	36	0.1	--	--	--
CBS-83917-64	201	4	49	0.1	--	--	--
CBS-83917-65	201	5	43	0.1	--	--	--
CBS-83917-66	201	11	39	0.1	--	--	--
CBS-83917-67	201	15	43	0.1	--	--	--
DSB-83917-01	201	8	36	0.1	--	--	--
DSB-83917-02	201	39	102	0.1	--	--	--
DSB-83917-03	201	11	26	0.1	--	--	--
DSB-83917-04	201	38	90	0.1	--	--	--
DSB-83917-05	201	15	67	0.1	--	--	--
DSB-83917-06	201	42	87	0.1	--	--	--
DSB-83917-07	201	115	147	0.1	--	--	--
DSB-83917-08	201	89	134	0.2	--	--	--
DSB-83917-09	201	48	122	0.1	--	--	--
DSB-83917-10	201	24	82	0.1	--	--	--
DSB-83917-11	201	42	122	0.1	--	--	--
DSB-83917-12	201	31	90	0.2	--	--	--
DSB-83917-13	201	11	84	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315068-003-A
INVOICE # : I8315068
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
DSB-83917-14	201	15	91	0.1	--	--	--
DSB-83917-15	201	6	117	0.1	--	--	--
DSB-83917-16	201	12	99	0.1	--	--	--
DSB-83917-17	201	16	84	0.1	--	--	--
DSB-83917-19	201	7	52	0.1	--	--	--
DSB-83917-20	201	8	45	0.1	--	--	--
DSB-83917-21	201	9	46	0.1	--	--	--
DSB-83917-22	201	10	52	0.1	--	--	--
DSB-83917-23	201	7	58	0.1	--	--	--
DSB-83917-24	201	9	68	0.1	--	--	--
DSB-83917-25	201	10	50	0.3	--	--	--
DSB-83917-26	201	9	31	0.1	--	--	--
DSB-83917-27	201	6	62	0.1	--	--	--
DSB-83917-28	201	10	86	0.1	--	--	--
DSB-83917-29	201	7	63	0.1	--	--	--
DSB-83917-30	201	11	36	0.1	--	--	--
DSB-83917-31	201	3	35	0.1	--	--	--
DSB-83917-32	201	17	48	0.1	--	--	--
DSB-83917-33	201	16	51	0.1	--	--	--
DSB-83917-34	201	17	200	0.1	--	--	--
DSB-83917-35	201	12	169	0.7	--	--	--
DSB-83917-36	201	12	63	0.1	--	--	--
DSB-83917-37	201	25	95	0.1	--	--	--
DSB-83917-38	201	5	52	0.1	--	--	--
DSB-83917-39	203	5	51	0.1	--	--	--
DSB-83917-40	201	1	20	0.1	--	--	--
DSB-83917-41	201	10	66	0.1	--	--	--
DSB-83917-42	201	1	76	0.1	--	--	--
DSB-83917-43	201	18	124	0.1	--	--	--
DSB-83917-44	201	80	232	0.1	--	--	--
DSB-83917-45	201	76	277	0.2	--	--	--
DSB-83917-46	201	53	234	0.1	--	--	--
DSB-83917-47	201	14	38	0.1	--	--	--
DSB-83917-48	201	32	110	0.1	--	--	--
DSB-83917-49	201	72	183	0.1	--	--	--
DSB-83917-50	201	49	238	0.1	--	--	--
DSB-83917-51	201	40	120	0.1	--	--	--
DSB-83917-52	201	168	185	1.4	--	--	--
DSB-83917-53	201	3	60	0.1	--	--	--
DSB-83917-54	201	64	211	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

CERT. # : A8315068-004-A
INVOICE # : I8315068
DATE : 28-SEP-83
P.O. # : NONE
BLUE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
DSB-83917-55	203	29	167	0.1	--	--	--
DSB-83917-56	201	30	163	0.1	--	--	--
DSB-83917-57	201	14	100	0.1	--	--	--
HSB-83917-01	201	8	63	0.1	--	--	--
HSB-83917-02	201	17	64	0.1	--	--	--
HSB-83917-03	201	13	121	0.1	--	--	--
HSB-83917-04	201	9	51	0.1	--	--	--
HSB-83917-05	201	9	56	0.1	--	--	--
HSB-83917-06	201	6	63	0.1	--	--	--
HSB-83917-07	201	14	37	0.2	--	--	--
HSB-83917-08	201	8	61	0.1	--	--	--
HSB-83917-09	201	2	13	0.1	--	--	--
HSB-83917-10	201	9	30	0.1	--	--	--
HSB-83917-11	201	13	23	0.3	--	--	--
HSB-83917-12	201	6	65	0.1	--	--	--
HSB-83917-13	201	10	75	0.1	--	--	--
HSB-83917-14	201	9	98	0.1	--	--	--
HSB-83917-15	201	8	69	0.1	--	--	--
HSB-83917-16	201	10	160	0.1	--	--	--
HSB-83917-17	201	10	92	0.1	--	--	--
HSB-83917-18	201	8	71	0.1	--	--	--
HSB-83917-19	203	7	81	0.1	--	--	--
HSB-83917-20	201	7	203	0.1	--	--	--
HSB-83917-21	201	9	65	0.1	--	--	--
HSB-83917-22	201	8	52	0.1	--	--	--
HSB-83917-23	201	7	88	0.1	--	--	--
HSB-83917-24	201	9	86	0.1	--	--	--
HSB-83917-25	201	5	54	0.1	--	--	--
HSB-83917-26	201	10	106	0.1	--	--	--
HSB-83917-27	201	4	56	0.1	--	--	--
HSB-83917-28	201	14	96	0.1	--	--	--
HSB-83917-29	201	8	50	0.1	--	--	--
HSB-83917-30	201	11	100	0.1	--	--	--
HSB-83917-31	201	5	36	0.1	--	--	--
HSB-83917-32	201	8	48	0.1	--	--	--
HSB-83917-33	201	13	81	0.1	--	--	--
HSB-83917-34	201	12	101	0.1	--	--	--
HSB-83917-35	201	8	190	0.1	--	--	--
HSB-83917-36	201	4	81	0.1	--	--	--
HSB-83917-37	201	4	76	0.1	--	--	--



Certified by *Hart Bichler*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

*** INVOICE ***

To : CHRISTOPHER, PETER & ASSOCIATES INC.

Invoice # : I8315352

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

Date : 12-OCT-83
P.O. # : NONE
Project BLUE

Invoice for analytical work reported on certificate(s) A8315352-001

Quantity	Analysed for code	description	unit price	amount
1	013 - AS	ppm		
	017 - AU-AA	ppb	8.25	8.25

Sample preparation and other charges :

1	205 - Rock geochem - RING		2.50	2.50
---	---------------------------	--	------	------

TOTAL \$ 10.75

Please pay this amount ----> \$ 10.75
=====

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts



MEMBER
CANADIAN TESTING
ASSOCIATION



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

*** INVOICE ***

To : CHRISTOPHER, PETER & ASSOCIATES INC.

Invoice # : 18315069

3707 WEST 34TH AVE.,
 VANCOUVER, B.C.
 V6N 2K9

Date : 28-SEP-83
 P.C. # : NONE
 Project BLUE

Invoice for analytical work reported on certificate(s) A8315069-001 to -004

Quantity	Analysed for code	description	unit price	amount
126	004 - Pb	ppm		
	005 - Zn	ppm		
	006 - Ag	ppm	3.70	466.20

Sample preparation and other charges :

117	201 - soil + sediment -80 mesh		0.60	70.20
9	203 - -35 mesh sieve + ring		2.00	18.00

TOTAL \$ 554.40

Please pay this amount ----> \$ 554.40
=====

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts



MEMBER
 CANADIAN TESTING
 ASSOCIATION



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

*** INVOICE ***

To : CHRISTOPHER, PETER & ASSOCIATES INC.

Invoice # : 18315068

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

Date : 28-SEP-83
P.O. # : NONE
Project BLUE

Invoice for analytical work reported on certificate(s) A8315068-001 to -004

Quantity	Analysed for code description	unit price	amount
160	004 - Pb	ppm	
	005 - Zn	ppm	
	006 - Ag	ppm	
		3.70	592.00

Sample preparation and other charges :

155	201 - soil + sediment -80 mesh	0.60	93.00
5	203 - -35 mesh sieve + ring	2.00	10.00

TOTAL \$ 695.00

Please pay this amount ----> \$ 695.00

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts



MEMBER
CANADIAN TESTING
ASSOCIATION



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

*** INVOICE ***

to : CHRISTOPHER, PETER & ASSOCIATES INC.

Invoice # : 18315193

3707 WEST 34TH AVE.,
VANCOUVER, B.C.
V6N 2K9

Date : 30-SEP-83
P.O. # : NONE
Project BLUE

Invoice for analytical work reported on certificate(s) A8315193-001 to -007

Quantity	Analysed for code description	unit price	amount
241	004 - Pb ppm		
	005 - Zn ppm		
	006 - Ag ppm	3.70	891.70

Sample preparation and other charges :

236	201 - soil + sediment -80 mesh	0.60	141.60
5	203 - -35 mesh sieve + ring	2.00	10.00

TOTAL \$ 1043.30

Please pay this amount ----> \$ 1043.30

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts



MEMBER
CANADIAN TESTING
ASSOCIATION



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

*** INVOICE ***

To : CHRISTOPHER, PETER & ASSOCIATES INC.

Invoice # : I8315351

3707 WEST 34TH AVE.,
 VANCOUVER, B.C.
 V6N 2K9

Date : 6-OCT-83
 P.O. # : NONE
 Project BLUE

Invoice for analytical work reported on certificate(s) A8315351-001 to -002

Quantity	Analysed for code description	unit price	amount
73	004 - Pb ppm		
	005 - Zn ppm		
	006 - Ag ppm	3.70	270.10

Sample preparation and other charges :

73	201 - soil + sediment -80 mesh	0.60	43.80
----	--------------------------------	------	-------

TOTAL \$ 313.90

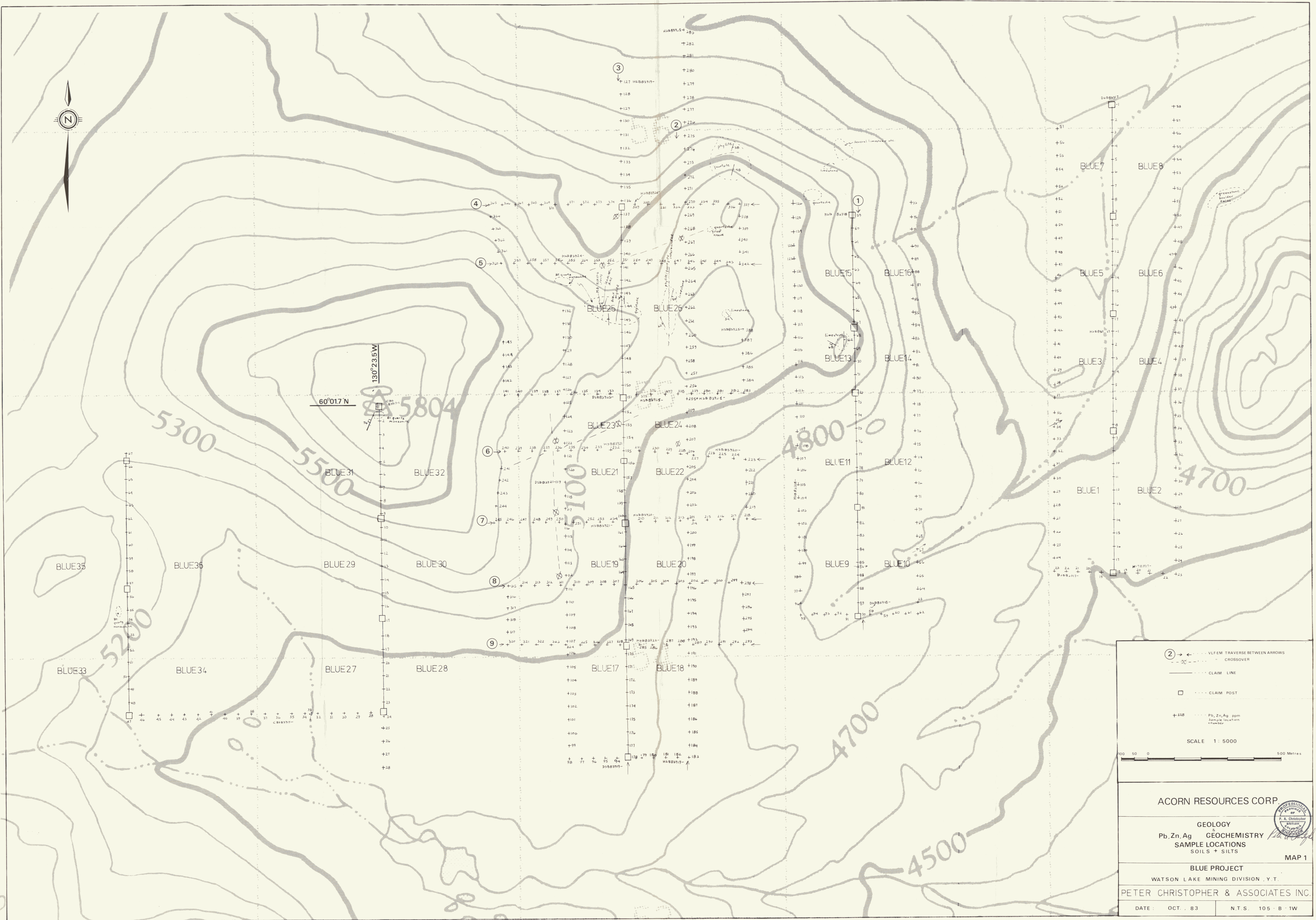
Please pay this amount ----> \$ 313.90
=====

RMS -- NET 30 DAYS

5 % per month (18 % per annum) charged on overdue accounts



MEMBER
 CANADIAN TESTING
 ASSOCIATION



SCALE 1:5000

0 50 100 500 Metres

ACORN RESOURCES CORP

GEOLOGY & GEOCHEMISTRY

Pb, Zn, Ag

SAMPLE LOCATIONS

SOILS + SILTS

MAP 1

BLUE PROJECT

WATSON LAKE MINING DIVISION, Y.T.

PETER CHRISTOPHER & ASSOCIATES INC.

DATE: OCT. 83

N.T.S. 105-B-1W

