



Geological and Geochemical Report on the

Ping (1-24) Claims

Bonnet Plume River Area,

Mayo M.D., Yukon

Claim Sheet: 106-C-11

Coordinates: 64° 38' N. Lat., 133° 15' W. Long.



061196

By: R. Darney

C. Ikona P. Eng.

17,600



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 17,600.00

*A.B. Craig*  
 Resident Geologist or  
 Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act

*[Signature]*  
 Commissioner of Yukon Territory

Bow River Resources Ltd.  
and Highhawk Mines Ltd.

PING 1-24 claims.

Remarks:

The property is underlain mainly by dolomite and limestone of lower Ordovician to Lower Cambrian age.

Two main showings are described. At the first, ~~Sphalerite~~ sphalerite and galena occur as matrix filling in a ~~massive~~ dolomite breccia. Massive sphalerite also occurs with disseminated galena in pods within the matrix of brecciated dolomite at the second location.

Work consisted of prospecting, geological mapping and soil geochemistry. Several ~~large~~ large lead-zinc geochemical anomalies were outlined.

Additional work is recommended.

TO A **Supervising Mining Recorder**

File No. (originator) — Dossier n° (source)

**340-13-2**

FROM DE **Mining Recorder - Mayo**

File No. (addressee) — Dossier n° (destinataire)

Subject - Objet **G & GC Report**  
**"EG" mineral claims, 106-C-14**  
**Dynasty Explorations Ltd.**

**GEU require signature and seal of professional who supervised the work on above report.**  
**(Copy of G. Needham letter attached.)**

**G & GC Report**

**"PING" mineral claims, 106-C-11**

**R. Deane, C. Roma**

**GEU require affidavit to support above report.**

**HES/elp**

Signature **B.R. Foster, SMR**

Date **18/3/75**

Reply - Réponse

**Letter has been sent to Dynasty advising them of the above deletion.**

**Enclosed please find applications for certificate of work for the Ping m.c.'s,**  
**covering affidavit for the above.**

Signature **R. G. Bonaghan**

Date **21 Mar 75**

7540-21-029-0717  
CGSB STANDARD FORM 59

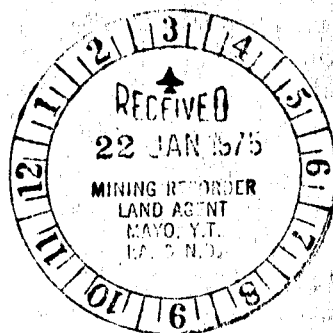
FORMULE NORMALISÉE 55 DE L'ONGC



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	GEORGE BLEILER	Occupation	PROSPECTOR
(Postal Address)	333-885 DUNSMUIR STREET, VANCOUVER, B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

- PING 9
- PING 10
- PING 11
- PING 12

situated at BLACK CANYON CREEK Claim Sheet No. 106-C-11  
in the MAYO Mining District, to the value of at least \$2,400.00  
dollars, since the 18th day of January 19 74

to represent the following mineral claims under the authority of Grouping Certificate No. \_\_\_\_\_  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

<u>GRANT NUMBER(S)</u>		<u>CLAIM NUMBER(S)</u>	
Y 86146		PING 1	
Y 86148		PING 3	
Y 86150	Y 87798	PING 5	HW 1
Y 86152	Y 87799	PING 7	HW 2
Y 86147	Y 87818	PING 2	HW 21
Y 86149	Y 87819	PING 4	HW 22
Y 86151		PING 6	
Y 86153		PING 8	(2 years)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

\$18,266.24 expended as per accompanying report by C. K. Ikona between August 3 and September 11, 1974 - \$2,400.00 to be applied for 2 years assessment work on PING 1, 3, 5, 7, 2, 4, 6, 8, and HW 1, 2, 21, and 22.

Sworn before me at Vancouver, B.C.  
this 16 day of January 19 75

Notary Public

Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

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OFFICE DATE STAMP

I (Name)	GEORGE BLEILER	Occupation	PROSPECTOR
(Postal Address)	333 - 885 DUNSMUIR STREET, VANCOUVER, B. C.		

MAKE OATH AND SAY, THAT :-

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

PING 9  
PING 10  
PING 11  
PING 12

situated at BLACK CANYON CREEK Claim Sheet No. 106-C-11  
in the MAYO Mining District, to the value of at least \$2,400.00  
dollars, since the 18th day of JANUARY 19 74

to represent the following mineral claims under the authority of Grouping Certificate No. \_\_\_\_\_  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

GRANT NUMBER (S)

Y 86158  
Y 86160  
Y 86162  
Y 86164  
Y 86166      Y 87845  
Y 86168      Y 87852  
Y 87838  
Y 87840  
Y 87842  
Y 87842

CLAIM NAMES (S)

PING 13  
PING 15  
PING 17  
PING 19  
PING 21      CAN 8  
PING 23      CAN 15  
CAN 1      (2 years)  
CAN 3  
CAN 5  
CAN 7

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

\$18,266.24 expended as per accompanying report by C. K. Ikonka, between August 3 and September 11, 1974, \$2,400.00 to be applied for 2 years assessment work made on PING 13, 15, 17, 19, 21, 23, CAN 1, 3, 5, 7, 8, 15.

Sworn before me at Vancouver B.C.  
this 16 day of January 1975  
[Signature]  
Notary Public

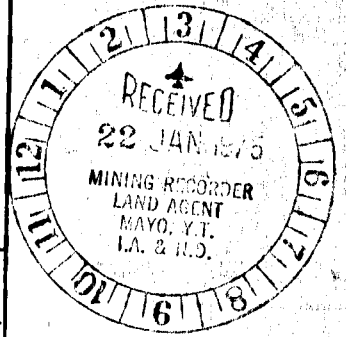
[Signature]  
Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	GEORGE BLEILER	Occupation	PROSPECTOR
(Postal Address)	333-885 DUNSMUIR, VANCOUVER, B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

PING 9  
PING 10  
PING 11  
PING 12

situated at BLACK CANYON CREEK Claim Sheet No. 106-C-11  
in the MAYO Mining District, to the value of at least \$ 800.00  
dollars, since the 18TH day of JANUARY 19 74

to represent the following mineral claims under the authority of Grouping Certificate No. \_\_\_\_\_  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

GRANT NUMBER(S)	CLAIM NAME(S)
Y 86154	PING 9
Y 86155	PING 10 - 2 years
Y 86156	PING 11
Y 86157	PING 12

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)  
\$18,266.24 expended as per accompanying report by C.K.Ikona, between August 3rd and Sept. 11, 1974 - \$800.00 to be applied for 2 years assessment work on PING 9, 10, 11, 12.

Sworn before me at Vancouver B.C.  
this 16 day of January 1975  
[Signature]  
Notary Public

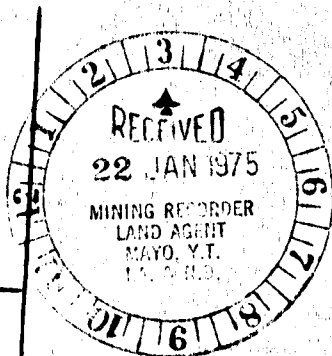
[Signature]  
Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



OFFICE DATE STAMP

I (Name)	GEORGE BLEILER	Occupation	PROSPECTOR
(Postal Address)	333-885 DUNSMUIR - VANCOUVER, B.C.		

MAKE OATH AND SAY, THAT:-

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2. I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

- PING 9
- PING 10
- PING 11
- PING 12

situated at BLACK CANYON CREEK Claim Sheet No. 106-C-11  
in the MAYO Mining District, to the value of at least \$2,400.00  
dollars, since the 18TH day of JANUARY 19 74

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(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

GRANT NUMBER(S)	CLAIM NAME(S)
Y 86159	PING 14 CAN 14
Y 86161	PING 16 CAN 16
YY86163	PING 18
Y 86155	PING 20
Y 86167	PING 22 (2 years)
Y 86169	PING 24
Y 87839	CAN 2
Y 87841	CAN 4
Y 87843	CAN 6
Y 87850	CAN 13

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

\$ 18,266.24 expended as per accompanying report by C.K. Ikonas between August 3rd and Sept 11th 1974; \$2,400.00 to be applied for 2 years assessment work on PING 14,16,18,20,22,24 CAN 2,4,6,12,14,16

Sworn before me at Vancouver B.C.  
this 16 day of January 1975  
[Signature]  
Notary Public

[Signature]  
Applicant.

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## Introduction

The Ping Mineral Claim group was acquired by Bow River Resources and Highhawk Mines in January 1974.

A preliminary examination of the property was made in the first half of August 1974. This examination consisted of prospecting, reconnaissance, geochemistry and geologic mapping at a scale of 1 to 1,000 feet. This program yielded very encouraging results in the form of 2 large high grade showings with a large associated geochemical anomaly. Consequently, a subsequent program of geochemistry and geologic mapping was carried out in this area. Both programs were under the direct supervision at the author.

A 6,000' X 1,400' grid with 200 X 100 stations was located for control of the 2nd program.

## Location, Access and Topography

The property is located immediately to the south of Black Canyon Creek in the Nadaleen River Map sheet (NTS 106 C/11) at approximately  $64^{\circ} 38'$  north latitude and  $133^{\circ} 15'$  west longitude.

Access to the property is by air. Fixed wing aircraft can operate on Penquicula Lake 5 miles to the North West. From there a helicopter is required for access to the actual claim group. The nearest all weather road, the Mayo-Elsa highway terminates at Keno City, 90 miles to the southwest. Mayo, which lies ~~120~~<sup>107</sup> miles to the southwest, is the best center for combined services.

Elevations on the claim group range between 3,500 feet on the lower reaches of black canyon creek to some 5,500 feet on the ridges to the south. Topography for the most part is extremely rugged. Vegetation varies from heavy coniferous forest at the lower elevations to sparse brush and moss on the ridges.

## Claims

The Ping group consists of 24 contiguous mineral claims. Although

no direct search of claims was carried out by the author, those posts seen in the region of the main showings, appear to be located in accordance with the Yukon Quartz Mining Act.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expirey Date</u>
Ping 1 - 24	Y 86146 - Y 86169	January 18th, 1975

### History

The Bonnet Plume River - Goz Creek - Corn Creek area has received sporadic exploration from the early 1950's. It was not until Barrier Reef Resources' discovery of a large, highgrade Pb - Zinc showing on Goz Creek in the summer 1973 that the area received any major attention. This discovery led to a staking rush lasting through the summer and fall, around the junction of Goz Creek and the Bonnet Plume River. Reports later in the fall of 1973 of some copper and lead - zinc showings between Black Canyon and Corn Creeks led to the staking of several groups in this area, including the Ping Group.

### Geology

#### General

The Ping group lies in the Selwyn mountain range which are underlain by a thich succission sedimentary rocks ranging from Upper Proterozoic to Upper Devonian in age. Paleozoic stata are restricted to areas east of the property, indicating a close propimity to the Selwyn basin margin during the Ordovician - Devonian period.

Structure consists primarily of broad open folding, subsequently cut by a series of NW - SE and E to NE trending normal faults. Movement on several faults appears to be in the orderof one mile laterally with undetermined vertical displacement along its northerly strike. One such right lateral fault passes through the central portion of the claims resulting in a major offset as can be observed in the Upper Hadyrian stata as seen on Sheet No. 1.



Local

The Ping claims are underlain primarily by a thick sequence of dolomites and limestones which range from Lower Hadrynian to possibly Lower Cambrian in age. These strata are divided, however, into two separate formations by an angular unconformity lying at the base of the mid - upper Hadrynian sequence. The upper sequence appear as undivided on the G.S.C. map sheets, but possibly corresponds to the middle Rapiton formation.

These formations are overlain with a thick succession of younger black shales and carbonates which outcrop at the extreme easterly end of the claims area.

Structurally the claims lie on the SE limb of a broad open syncline which has undergone intense faulting in a NW - SE direction resulting in major offsets within the carbonate succession.

The lower Hadrynian formation which in plan surrounds the mid hadrynian carbonates on the north, west and north east consists mainly of a series of thick to massively bedded fine-medium grained dolomites. Many of these dolomites exhibit an internal white to grey colour variation which gives rise to a mottled appearance. Interbedded with the dolomites are thin units of siltstone, quartz, pebble conglomerates or silty dolomites. Higher in the section the dolomites continue with mottled appearance, but also have a distinct banding. In this area interbedding with siltstones, quartzites and shales is common. Several of these interbedded members reach thickness of 50 to 100 feet.

The uppermost unit mapped in the lower Hadrynian is a thick dark grey highly shattered dolomite. This unit is easily recognized by its degree of shattering and calcite dolomite veining. Normally, attitudes throughout the lower Hadrynian section were found to be N 30 W/55° - 70° E.

The mid-upper Hadrynian formation lies with angular unconformity above the older carbonates. General attitudes in the mid-upper Hadrynian are approx. N 20 E/25-30 E. The upper carbonate series which lies primarily in the south-central part of the claims area consists of white-grey, fine-medium grained dolomites and banded dolomites with minor interbedded siltstones

and conglomerates. This sequence has many characteristics similar to the upper portion of the lower Hadrynian sequence, however, the interbedded members are thinner and less frequent.

The lowest unit in this sequence is a thinly bedded siltstone with interbedded grey platey dolomite approximately 100 feet thick serving as a well defined marker horizon above the angular unconformity. Lying stratigraphically above, the next 700' consists of massively interbedded light coloured dolomites and grey to white banded dolomites which have been locally brecciated and silicified. Both the main showings on the group are located in the top half of this unit.

The uppermost units in the mid-upper Hadrynian sequence consist of light coloured dolomites, siltstones and quartz pebble conglomerates for a stratigraphic thickness of approx. 250 feet.

A slight thickening of this mid-upper Hadrynian formation was observed in a southwest direction which could represent a subtle roll in the structure or an irregularity in the basin floor at the time of deposition.

Geology on a scale of 1 inch to 200 feet for the grid area is presented in sheet No. 2.

### Mineralization

Two mineralized outcrops and one zone of oxidized overburden containing large pieces of well mineralized float were mapped within the Ping 10, 11 and 12 claims. Since all major showings were within the mid-upper Hadrynian sequence, focus during mapping was placed primarily above the lower - mid Hadrynian contact.

A brief description of each showing is given below:

Showing No. 1 Location 0+00 N 3+00 W

Showing number one which is the largest and most impressive showing on the property, covers an area approx. 40' X 100' in coarsely brecciated grey dolomite. Two stages of brecciation have occurred within the showing.

The first stage consists of coarse angular blocks of dolomite which have been filled by a matrix of coarse grained amber sphalerite, fine-med. grained galena and recrystalline dolomite. The second stage has brecciated both the original dolomite and the mineralized matrix opening channels for flooding by secondary dolomite which forms the matrix around the finer breccia.

From limited exposure, it is impossible to determine the controls on the mineralization. However, an oxidized gouge zone indicates a fault cut off to the south with little mineralization noted on the south side of the fault zone. The zone is fairly well exposed for approx. 100 feet in a northerly direction where some 40 feet of vertical extent was observed in a dry water course. (If the showing is conformable to bedding, this would represent stratigraphic thickness.)

The zone has not been ~~located~~<sup>found</sup> to the north of the ravine.

Recent fracturing and shearing within the zone has attitudes of  $040^{\circ}/67^{\circ}W$  and  $350^{\circ}/18^{\circ}E$ .

A continuous chip sample, taken by the author, over 100 feet along the zone returned results averaging 24% Pb, 11.3% Zn and 4.4 oz. Ag/Ton.

Showing No. 2

The second showing lies some 150 feet stratigraphically above showing No. 1 and is located at  $3400N, 1450E$ .

The mineralization consists of the occasional pod (up to 10" across) of massive sphalerite and more widely disseminated galena occurring in a tan-grey mildly brecciated dolomite. Attitudes of banding within the dolomite are approx.  $017^{\circ}/30^{\circ}E$  which conform to several attitudes taken within the surrounding section. Since no other controls are obvious, it is felt that the zone falls within a unit conformable to the regional attitudes.

Sparse outcrop along strike directions prevented mapping of any extensions to the zone.

Since the mineralization occurs erratically within the zone, sampling

is extremely difficult. However, a grab sample of 1" pieces of talus across 50 feet of exposure gave results of 15.8% Pb, 4.70% Zn and 3.05 oz Ag/Ton.

Showing No. 3      Location 0400 N    8400 E

This showing consists only of large boulders of massive sphalerite within an area of extensive overburden. No outcrop could be ~~located~~<sup>found</sup> but the mineralization is similar to that in showings 1 & 2 and appears to fall stratigraphically above both. However, a regional fault striking northeast and dipping 35° - 40° northwest may have had some structural effect upon the stratigraphy in this area.

#### Other Mineralization

Other mineralization located in this unit consists of fracture controlled galena, sphalerite and minor tetrahedrite in a dark, semi-banded, mottled dolomite located stratigraphically just above the horizon containing the No. 2 showing. Grade of this mineralization appears to be fairly low and representative sampling impossible by hand. The possibility that this mineralization is of a secondary nature associated with the underlying unit must be considered at this time.

Minor galena and sphalerite associated with silica filling of fractures and vugs has been located in the lower Hadrynain formation some 4,000 feet to the north west of the grid area. To date this mineralization appears to be of very limited economic importance.

A copper showing is located in the creek draining the easterly portion of the claim group. This showing lies off the main Ping group within older black shales of possible Helikian age. The showing consists of a massive quartz vein at 030°/55E with chalcopyrite in localized lenses and associated malachite and azurite. The vein is some 7 feet in thickness and shows slickensided faces at 325°/75W and 020/65W.

Reported assays from this vein are in the 2 - 3% Cu range.

2 additional claims were located by Mr. Geoge Bleiler of Bow

River Resources in September 1974 to cover this showing.

### Geochemistry

Geochemical samples were taken on the 6,000 X 1,400' grid located on the property. Samples were taken at 200 X 100 spacing to the east of the contact with the older Hadrynian rocks and on the western end of the grid. A total of 335 samples were taken.

These were stored in kraft bags, air dried in camp and submitted to Chemex Laboratories in north Vancouver, B.C. for analysis of Pb and Zinc by atomic absorption.

Results were plotted on a scale of 200 feet to 1 inch for both Pb and Zinc. Both plots were contoured with 250 ppm contour spacing and are presented in sheets 3 and 4.

### Results

Results of the geochemistry were not highly definitive. However, both the lead and zinc plots indicated:

- A) An anomalous region in the area 200N, 1,400-2,200 W which to date cannot be explained by geological inspection of the area, although this region would be located near the same stratographic location in the sequence as both the major showings.
- B) Showing no 1 occurs at the south end of a major anomaly extending to the north and possibly around the nose of the ridge. Again nothing has been located in place to explain the northern end of this anomaly.
- C) Showing No. 2 has no anomaly associated directly with it which may be due to minor local topographic effects. However, an extrapolated surface trace of this showing on both ends lead into areas of anomalies. To the south this is the area of 0+00N, 0+00E.

The trace to the north east passes above the zinc high at 5+00 N, 4 00E and into the larger anomaly at the north end of lines 10 and 12 E where values of greater than 4,000 ppm Pb & Zn are located. The data is not

sufficiently definitive to determine if these results reflect the same unit or not.

D) The area 0-25,4-6E is highly anomalous. A minor anomaly would be expected here due to the mineralization located at 0150S, 2100E. However the strength of this anomaly combined with the presence of massive mineralization in float at the downslope edge of the anomaly makes this area an attractive target.

### Discussion of Results

The Ping group has demonstrated some large showings of high grade mineralization combine with some extensive high geochemical anomalies. Control of the mineralization has yet to be defined, however showing no. 2 in particular has the appearance of a possible bedded deposit which may have enough tonnage potential to develop a mineral deposit of economic significance. The other two occurrences of high grade mineralization appear to occur at a slightly different horizon in the stratigraphic sequence. If any sort of continuity could be developed on these showings they would also contribute significantly to possible ore reserves. The geochemical high located at 0125, 416E must be investigated further.

The results to date are very encouraging and further work will be required to more closely define units of interest. Towards this end two samples of high grade mineralization were tested for conductivity in an attempt to determine the suitability of geophysical methods for the property. These samples returned effective conductivity approaching zero which probably reflects the brecciated nature of the mineralization.

This low conductivity probably eliminates the use of electromagnetic and charge potential geophysics. Self potential or induced potential techniques could be considered. In particular, the low conductivity of the mineralized rock may show up as a high resistivity zone on an induced polarization survey.

### Conclusion

The prospecting, geological mapping and geochemical results on the Ping Mineral claim group has indicated favourable zones for lead, zinc, silver mineralization within a 400 foot section of Hadrynian dolomites and banded dolomites. Two large showings of high grade mineralization along with an area

of massively mineralized float have been located. Possible extensions of these showings have been indicated by geochemical results but have not been located on the property by surface examination. Control of the mineralization has not yet been defined, but the possibility of a bedded deposit or deposits exists. The high grade nature of the mineralization and the tonnage potential inherent in a possible bedded deposit makes the Ping group a very promising exploration target at this stage of its development.

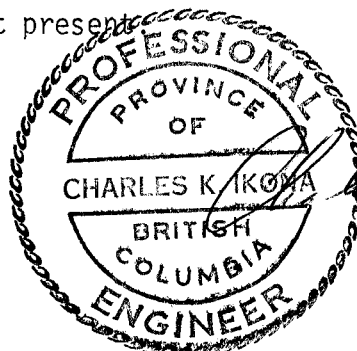
### Recommendations

Phase I The following exploration program is recommended.

1. Fill in geochemistry on a 100 X 50 foot spacing in anomalous areas indicated by in this report and along the extrapolated surface trace of No. 2 showing.
2. Trenching in these areas using a "cobra" type drill and explosives
3. An induced Polarization line to be run over an area of known mineralization. This survey to be expanded should the test line be shown effective in locating mineralization.
4. Diamond drilling with a small drill of "packsac" or "winkie" type to confirm attitudes of mineralization. Up to 1,000 feet of drilling may be necessary.

### Phase II

Contingent upon the results of Phase I; in particular, the drilling indicating controls on mineralization which may allow substantial tonnage to be developed, a larger drill such as a BBS-1 will be required to delineate the mineralization. Total footages and costs for this phase cannot be estimated with any accuracy at present.



A handwritten signature in black ink, appearing to read "C. Konya", written over the right side of the professional seal.

Estimated Costs  
Phase I

Geochemistry	\$ 1,500.00
Trenching	5,000.00
Induced Polarization 10 line miles @ \$500/per mile	5,000.00
Geologist (1 Month)	3,000.00
Camp construction and equipment	2,500.00
Living Expenses food and cook (1 month)	2,500.00
Drilling 1,000 feet at \$12/ft.	12,000.00
Mobilization	
Scheduled aircraft	1,500.00
Fixed wing to Penquicula Lake	3,000.00
Helicopter	5,000.00
Supervision & Reports	<u>2,500.00</u>
	43,500.00
Overhead & Contingencies at 20%	<u>8,500.00</u>
	<u>\$ 52,000.00</u>

INVOICE

OUR NUMBER	275619
DATE	AUG 10-74
CUSTOMER'S ORDER	
SALESMAN	R.G. STURGES
TERMS	
F.O.B.	

SOLD TO HARMAN MANAGEMENT LTD  
Box 4509 Whitehorse Yukon  
 SHIPPED TO \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ VIA C-GHFA.

PING GROUP (CKI.)	1	0		
CAMP RELOCATION (VIC)	2	0		
GOZ LAKE	2	7		
2.7?				
	5	7	247	7

Red form 7M31

INVOICE

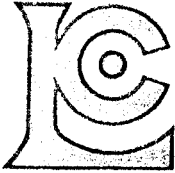
OUR NUMBER	275616
DATE	AUG 7-74
CUSTOMER'S ORDER	
SALESMAN	R.G. STURGES
TERMS	
F.O.B.	

SOLD TO HARMAN MANAGEMENT LTD  
Box 4509 Whitehorse Yukon  
 SHIPPED TO \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ VIA C-GHFA.

PING GROUP (MOVE IN J.T. & M.B.)	1	7		
TOM DICK HARRY GROUP.		5		
GYR (JOHN HOBBS)	1	1		
BAT GROUP		8		
MIKE PROJEK (CHRISTOLM) (STAINING.)	1	0		
GOZ LAKE - CONINCO TO BAROP	1	6		
1.6?				
	1	7	247	7







# INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Harman Explorations

DATE Sept. 30/74

821 - 602 W. Hastings,

INVOICE NO. 12677

Vancouver, B.C.

CERTIFICATE NO. 28513 to 28520

ATTN: \_\_\_\_\_

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
310	Analyzed for Pb & Zn @ \$1.50	\$465.00	
310	Prepared @ \$0.25	77.50	
			\$542.50

**TERMS — NET 30 DAYS**







# YUKON AIR LTD.

BOX 2244  
WHITEHORSE, YUKON  
PHONE: 668-2355

No. B 3495

FLIGHT REPORT No.:

CHARTER No.:

DATE: Sept 13 1974 A/C: C206 YQY  
 NAME: Stewart Management  
 ADDRESS: \_\_\_\_\_

	Miles Hours	RATE	TOTAL	FREIGHT OR PASSENGER
FROM: <u>Las Pt.</u>				
TO: <u>Moogo</u>	135			
TO: <u>Whitehorse</u>	206	85	290 00	2 Pax and gear out.
TO:				
TO:				
WAITING TIME				
OTHER CHARGES	Split with - C.T. # 34/014			PILOT <u>R Keel</u>
DISCOUNT				CHARTERER
TOTAL			290 00	REMARKS:

# YUKON AIR LTD.

BOX 2244  
WHITEHORSE, YUKON  
PHONE: 668-2355

No. B 2648

FLIGHT REPORT No.:

CHARTER No.:

DATE: Sept 10 1974 A/C: Cessna 185 WMD

NAME: Herman Syndicate

ADDRESS: \_\_\_\_\_

Completed      566 -

# YUKON AIR LTD.

BOX 2244  
WHITEHORSE, YUKON  
PHONE: 668-2355

No. B 2637

FLIGHT REPORT No.:

CHARTER No.:

DATE: Sept 11 1974 A/C: 153617D

NAME: Alcan. Symbol

ADDRESS: \_\_\_\_\_

	Miles	RATE	TOTAL	FREIGHT OR PASSENGER
	Hours			
FROM: <u>Whitehorse</u>	/			
TO: <u>10740</u>	205	80	164 <sup>00</sup>	<u>Alcan., Borealis</u>
TO: <u>600</u>	130	80	104 <sup>00</sup>	<u>YKON</u>
TO: <u>Whitehorse</u>	280	85	238 <sup>00</sup>	
TO:	/			
WAITING TIME	/			
OTHER CHARGES			// 506	PILOT <u>B. Weston</u>
DISCOUNT				CHARTERER <u>Alcan. Symbol</u>
TOTAL			// 506	REMARKS:

# PDT

## DRAFTING SERVICES

511 - 602 W Hastings Street, Vancouver, British Columbia, Canada ★ Telephone 687 - 6671

HARMAN SYNDICATE LTD.

#810-602 W.Hastings, Vancouver, B.C.

DATE Oct 17, 1974

INVOICE NO. 167

Re: PING MINERAL CLAIMS, Yukon T.

Drafting : 1 General Geology Map

2 Geology

3 Geochem Zn

4 " Pb

21 hours @ 8.00

Printing : Mylar, Di-lars

Black Prints

..... 168. 00 168. 00

..... 16. 00

..... 19. 20

35. 20 35. 20

203. 20

BALANCE DUE ON RECEIPT OF THIS INVOICE

\$203. 20

INTEREST AT 2% PER MONTH CHARGED AGAINST OVERDUE ACCOUNTS

List of Personnel for the Ping Group:

John Toporowski

August 9-15, 24 & 27

812 Seafair Place

Richmond, B.C.

Mike Brodribb

August 9-15, 24 & 27

c/o Box 4509

Whitehorse, Yukon

C. Ikona

August 9-15, 24 & 27

2614 St. John Street

Port Moody, B.C.

List of Personnel for the Ping Group:

Chuck Ikona Sept. 3-10  
Oct. 18-21

2614 St. John Street

Port Moody, B.C.

Robert Darney Sept. 8-10

609-850 West Hastings St.

Vancouver, B.C.

Victor Guinet Sept. 3-11

RR #1 Cottonwood Island

Prince George

B.C.

Graham Baird Sept. 3-11

74 Withrow Ave.,

Ottawa, Ontario

PING 1 - 40 MINERAL CLAIMS  
 August 3-11  
 Property Program  
 Expenditures

Direct Costs

wages	\$ 600.00	
tagging posts	192.00	
geological fees	440.00	
helicopter support	1,691.00	
geochem samples	188.00	
field equip. expense	96.00	
camp cost expense	<u>160.00</u>	3,367.00

PRO-RATA General Expenses (.045)

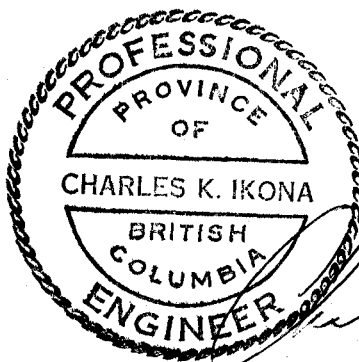
equipment supply depreciation	146.23	
contracts and rentals	14.30	
wages (mob/demob/cook)	380.25	
food	per diem	
fuels	per hour	
helicopter (general)	432.27	
fixed wing (general)	378.63	
travel	29.42	
sundry and administration	261.42	
geochem supplies	16.67	
expediting services	134.66	
air travel and airfreight	<u>58.77</u>	<u>1,852.62</u>

Harman Management Fee

980.38

Total on Account

6,200.00



Statement of Expenditures  
 Ping Mineral Claims  
 Sept. 3-11, 1974

Direct Cost:

wages		\$ 900.00	
geologic fees	C. Ikona	1,210.00	
	R. Darney	330.00	
helicopter support (9.4) - ?		1,870.60	
fixed wing support		1,362.00	✓
geochem samples		542.50	✓
feild equipment expense		174.00	
camp expense		290.00	
drafting and administration		<u>300.00</u>	
			\$ 6,979.10

Indirect Costs (Pro-Rata)

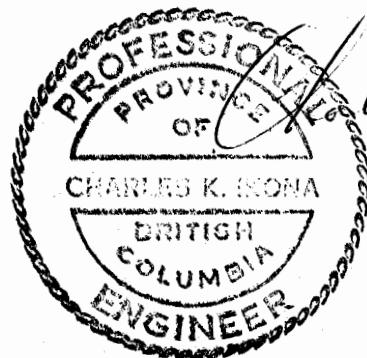
equipment supply		243.72	
contracts and rentals		23.84	
wages (camp mob/demob/cook)		633.75	
food		Per diem	
fuels		Per hour	
helicopter (general)		720.45	
fixed wing (general)		631.06	
travel and accom.		49.04	
sundry and administration		435.70	
geochem supplies		27.79	
expediting services		224.43	
air travel & airfreight		<u>97.36</u>	
			<u>3,087.14</u>

Harman Management Fee

2,000.00

Total on Account

12,066.24

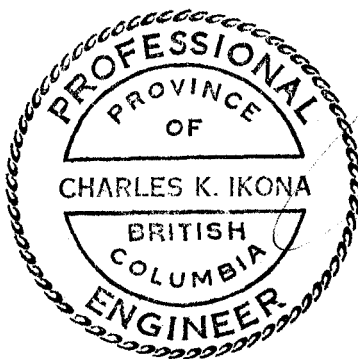


ENGINEERS CERTIFICATE

I, CHARLES K. IKONA of 2614 St. John's St., Port Moody, in the Province of British Columbia do hereby certify that:

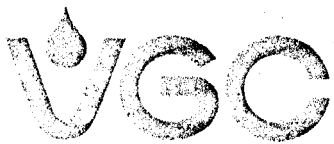
1. I am a consulting mining engineer with offices at 609-850 W. Hastings St., Vancouver, B.C.
2. I am a graduate at the University of British Columbia with a degree in Mining Engineering.
3. I am a member in good standing at the Association of Professional Engineers of the Province of British Columbia.
4. The work described in the accompanying report on the Ping Claim Group was performed under my personal supervision.

Dated this 30th day of August 1974 at Vancouver, B.C.



A handwritten signature in black ink, appearing to read "Charles K. Ikona", written over the right side of the professional seal.

Charles K. Ikona, P. Eng.



VANGEOCHEM LAB LTD.  
 1521 PEMBERTON AVE.,  
 NORTH VANCOUVER, B.C.,  
 CANADA V7P 2S3

TELEPHONE: 988-2172  
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

# Certificate of Geochemical Analyses

-IN ACCOUNT WITH-  
 Harman Management Ltd.

Report No: 74-45-003  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Page 3 of 5

Attention:

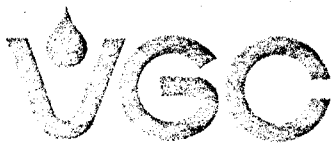
Sample Marking	Pb ppm	Zn ppm				
Pong L3 # 6	27	60				
Pong L3 7	17	50				
Pong L4 # 1	25	72				
<del>silk</del> S1	35	90				
2	35	78				
3	40	125				
Pong L4 4	43	245				25 mesh
JT 2B	107	90				
3	45	75				
4	167	320				
5	53	162				25 mesh 25 mesh
6	67	103				
7	57	126				
8	53	120				
9	33	85				
10	123	235				JT JT
12	63	220				
JT 13B	95	340				
JT S-1	47	90				
S-2	50	105				JT JT
JT S-3	77	152				
JT 10	53	124				
11	73	153				
12	97	205				
13	120	190				JT JT
14	50	170				
15	103	335				
16	43	55				
17	83	175				
18	95	270				JT JT
19	65	220				
20	80	255				
21	37	120				
22	37	65				
23	137	500				JT JT
24	75	145				
25	117	405				
26	47	223				
27	63	115				

REMARKS:

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million  
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

MASTER PRINTING LTD.



VANGEOCHEM LAB LTD.  
 1521 PEMBERTON AVE.,  
 NORTH VANCOUVER, B.C.,  
 CANADA V7P 2S3

TELEPHONE: 988-2172  
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

# Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Harman Management Ltd.

Attention:

Report No: 74-45-003

Page 4 of 5

Samples Arrived:

Report Completed:

For Project:

Analyst:

Sample Marking	Pb ppm	Zn ppm			
JT 28	57	94			
29	60	95			
30	263	740			
31	570	1550			
32	223	1600			
33	280	1930			
34	117	317			
35	20	20			
36	10	10			
JT 37	13	20			
JF 17S	163	358			
JT S-19	163	400			
JT 27S	207	325			
JT 31S	300	820			
PS - 1	53	102			25 mesh
- 2	47	112			
- 3	107	180			
- 4	80	190			
- 6	4370	12000			
- 7	175	390			
- 8	85	97			
PS - 9	90	110			
P - 1	105	310			
P - 2	203	253			
3	100	142			
4	27	63			
5	57	115			
6	80	230			
7	47	82			
8	50	97			
9	37	60			
10	37	72			
11	117	263			
12	870	2450			
13	317	1400			
14	1050	600			
15	470	1250			
16	2330	6600			
P -17	800	4300			

MASTER PRINTING LTD.

REMARKS:

Signed: 

% Mo x 1.6883 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.  
 1521 PEMBERTON AVE.,  
 NORTH VANCOUVER, B.C.,  
 CANADA V7P 2S3

TELEPHONE: 988-2172  
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

# Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Harman Management Ltd.

Attention:

Report No: 74-45-003

Page 5 of 5

Samples Arrived:

Report Completed:

For Project:

Analyst:

Sample Marking	Pb ppm	Zn ppm				
P	-18	210	375			
	19	115	350			
	20	98	230			
	21	98	245			
	22	163	365			
	23	93	317			
	24	53	120			
	25	47	117			
	26	40	56			
	27	67	80			
	28	73	177			
	31(a)	350	1020			
	31	293	650			
	32	137	350			
	33	207	240			
P	34	33	123			
	35	43	102			
	36	37	197			
	-37	60	105	19		

REMARKS:

Signed: 

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

MASTER PRINTING LTD.



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 935-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
 821 - 602 W. Hastings  
 Vancouver, B.C.

CERTIFICATE NO. 28518  
 INVOICE NO. 12677  
 RECEIVED Sept. 23/74  
 ANALYSED Sept. 27/74

ATTN:

SAMPLE NO. :		PPM	PPM
		PPM	Zinc
8W	2N	318	1000
	3	700	2080
	4	129	330
	5	212	660
	6	212	640
	7N	237	680
1S	1S	225	580
	2	660	680
	3	100	344
	4	416	700
	5	280	500
	6	362	500
8W	7S	200	275
10E	1N	96	240
	2	191	440
	3	1500	2240
	4	132	330
	5	>4000	>4000
	6	3360	>4000
7N	7N	1500	3040
	1S	140	285
	2	212	480
	3	104	255
	4	82	248
	5	30	86
6		30	83
	10E 7S	32	89
10W	2N	336	780
	3	270	960
	4	180	720
	5	660	1920
6		433	1040
	7N	318	1000
	1S	172	295
	2	466	880
3		400	580
	4	225	400
	5	362	620
	6	102	255
10W	7S	88	179
		60	50



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*[Signature]*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2G1  
TELEPHONE: 985-0848  
AREA CODE: 604

• ANALYTICAL CHEMISTS    • GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
821 - 602 W. Hastings  
Vancouver B. C.

ATTN:

CERTIFICATE NO. 28520  
INVOICE NO. 12677  
RECEIVED SEpt. 23/74  
ANALYSED SEpt. 27/74

SAMPLE NO. :		PPM Lead	PPM Zinc
L24E	4N	80	640
	5	99	720
	6	64	152
	7N	70	164
L24E	1S	79	344
	2	89	392
	3	64	179
	4	123	275
	5	150	460
	6	172	392
L24E	7S	180	540
L26W	1S	180	460
L28E	1S	82	400
	2	96	317
	3	68	218
	4	200	520
	5	108	540
	6	150	200
L28E	7S	116	233
L30W	1N	34	98
	2	62	98
	3	32	75
	4	44	135
	5	46	160
	6	54	140
	7N	30	80
	1S	46	80
	2	136	194
	3	74	127
L30W	4S	84	123
Silt	1	200	400
Silt 2		3440	> 4000
	3	140	392
	4	36	135
	5	150	360
S	6	150	360
No Number		74	144
Std.		58	50



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 935-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
 821 - 602 W. Hastings  
 Vancouver, B.C.

CERTIFICATE NO. 28517  
 INVOICE NO. 12677  
 RECEIVED Sept. 23/74  
 ANALYSED Sept. 27/74

ATTN:

SAMPLE NO. :		PPM Lead	PPM Zinc	
4W	4N	970	1640	
	5	533	480	
	6	191	660	
	7N	225	400	
	1S	466	1160	
	2	350	780	
	3	583	1360	
	4	237	500	
	5	237	392	
	6	225	295	
	4W	7S	161	265
6E	00	1620	> 4000	
	1N	180	520	
	2	862	1360	
	3	433	880	
	4	640	1000	
	5	150	480	
	6	123	520	
	7N	350	620	
6E	1S	583	1920	
	2	1640	3440	
	3	135	392	
	4	180	206	
	5	79	95	
	6S	116	520	
	8E	1N	449	820
		2	150	344
		3	150	275
		4	516	700
5		640	640	
	6	200	375	
	7N	260	392	
	1S	191	460	
	2	130	265	
	3	99	184	
	4	180	375	
	5	102	189	
	6	66	144	
	8E	7S	92	179
8W	1N	387	1200	
Std.		58	52	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0643  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
821 - 602 W. Hastings  
Vancouver, B. C.

CERTIFICATE NO. 28515  
INVOICE NO. 12677  
RECEIVED Sept. 23/74  
ANALYSED Sept. 27.74

ATTN:

### Ping Group

SAMPLE NO. :	PPM	
	Lead	Zinc
L14W 3S	416	392
4	80	174
5	117	480
6	126	317
L14W 7S	130	206
L20E 1N	74	206
2	82	295
3	64	233
4	80	233
5	48	135
6	66	225
L20E 7N	62	160
L22W 2N	172	360
3	566	880
4	150	285
5	290	400
6	375	880
L22W 7N	24	75
L26W 1N	280	520
2	180	330
3	191	295
4	191	344
5	140	285
6	130	240
7	77	189
L26W 2S	191	520
L28E 1N	161	620
2	54	135
3	212	700
4	136	400
5	107	233
6	161	330
L28E 7N	135	344



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985 0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
821 - 602 W. Hastings,  
Vancouver, B.C.

CERTIFICATE NO. 28514  
INVOICE NO. 12677  
RECEIVED Sept. 23/74  
ANALYSED Sept. 27/74

ATTN: Ping Group

SAMPLE NO. :	PPM Lead	PPM Zinc
L6W 5N	433	820
6	56	392
7N	120	360
1S	336	840
2	260	960
3	433	880
4	350	760
5	300	660
6	80	305
L6W 7S	200	480
BL 12E	128	420
L12E 1N	172	640
2	28	184
3	416	1400
4	336	1520
5	1090	2000
6	768	1360
7	212	460
8N	119	206
1S A	114	305
1S B	387	700
2	250	580
3	40	200
L12E 4S	130	184
L14E 1N	180	1160
2	161	375
3	172	275
4	150	360
5	80	248
6	140	305
7N	125	330
BL 14W	48	189
L14W 1N	336	1040
2	1920	>4000
4	161	800
5	290	1440
6	105	317
7N	48	218
1S	161	344
L14W 2S	225	640
Std.	58	50



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985 0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
821 - 602 W. Hastings  
Vancouver, B. C.

CERTIFICATE NO. 28513

INVOICE NO. 12677

RECEIVED Sept. 23/74

ATTN: Ping Group

ANALYSED Sept. 27/74

SAMPLE NO. :	PPM Lead	PPM Zinc
BLOO ON	433	2800
LOO 1N	70	184
2	336	560
3	1200	1520
4	237	255
5	812	640
6	700	2000
7N	74	255
1S	1330	1640
4S	350	500
5	225	460
6	300	520
LOO 7S	449	740
BL 2E	84	305
L2E 1S	516	1840
2	290	720
3	140	480
4	108	189
5	482	880
6	318	760
L2E 7S	30	39
L4E 1N	122	580
2	70	375
3	138	218
4	172	375
5	387	3520
6	750	600
7N	107	317
1S	1720	>4000
2	1960	3520
3	482	780
4	172	400
6	940	1320
L4E 7S	79	108
BL 4W	1620	1840
BL 6W	583	1040
L6W 1N	1026	2640
2	583	1840
3	700	1600
L6W 4N	835	1360
Std.	58	50



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
 821 - 602 W. Hastings,  
 Vancouver, B.C.

CERTIFICATE NO. 28519  
 INVOICE NO. 12677  
 RECEIVED Sept. 23/74  
 ANALYSED Sept. 27/74

ATTN:

SAMPLE NO. :	PPM Lead	PPM Zinc
L12E 5S	105	211
L16E 1N	64	240
2	74	184
3N	91	360
2S	150	480
L16E 3S	88	148
L16W 4N	98	330
5	88	248
6	79	225
L16W 7N	46	189
L18W 1N	150	1240
2	533	1160
3	200	580
4	387	1320
5	318	344
6	516	720
7N	318	800
1S	362	700
2	119	330
3	91	240
4	102	248
5	126	344
6	91	255
L18W 7S	150	330
L20E 1S	135	480
2	225	375
3	680	1320
4	100	400
L20E 5S	64	194
L22W 1N	749	1280
1S	172	480
2	237	660
3	161	500
4	212	620
5	180	820
6	191	440
L22W 7S	94	194
L24E 1N	79	360
2	82	330
L24E 3N	105	500
STd.	60	50



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*R. L. Swaine*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Harman Explorations  
 821 - 602 W. Hastings  
 ATTN: Vancouver, B. C.

CERTIFICATE NO. 28516  
 INVOICE NO. 12677  
 RECEIVED Sept. 23/74  
 ANALYSED Sept. 27/74

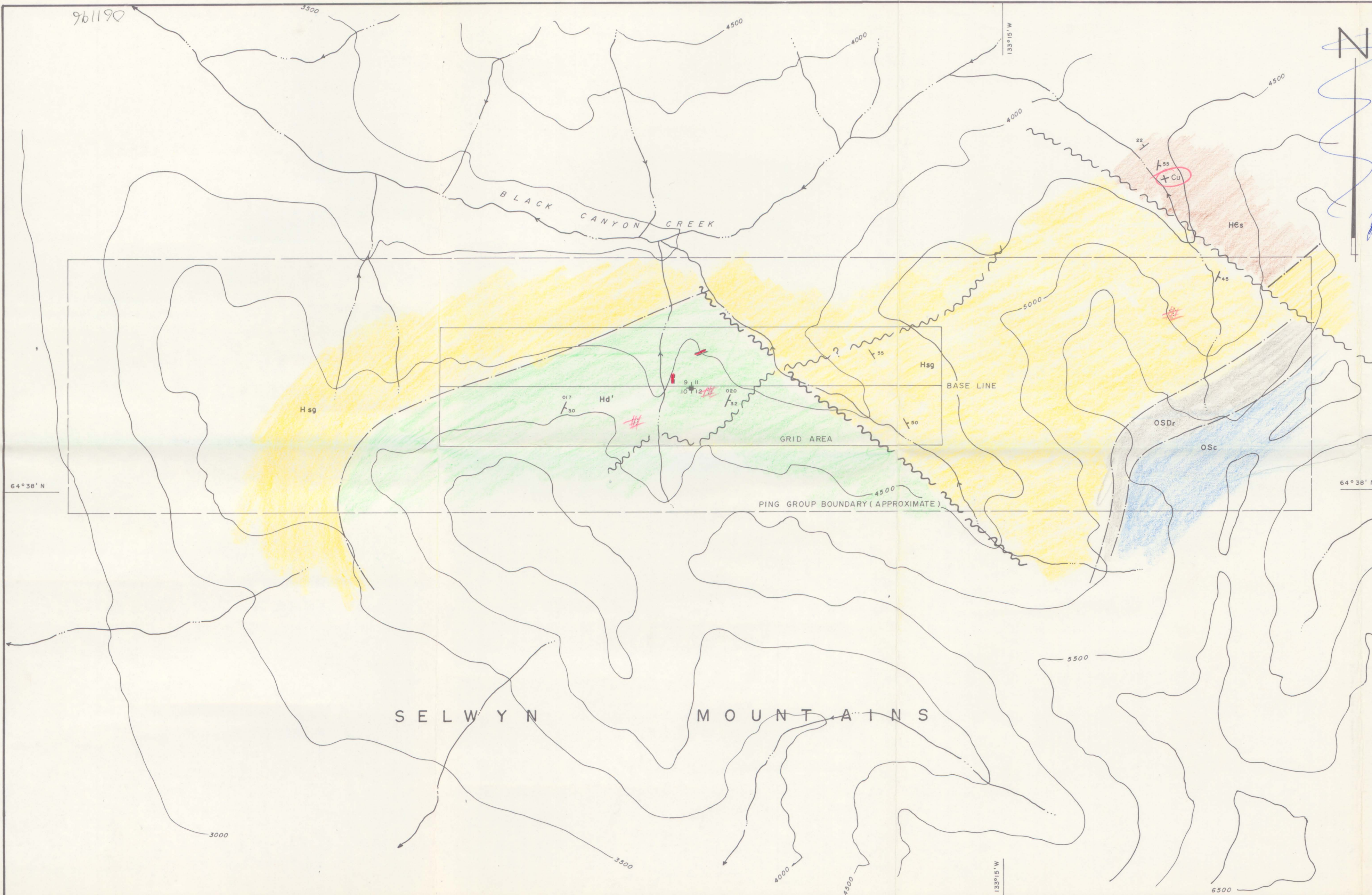
SAMPLE NO. :		PPM Lead	PPM Zinc
B1	4E	550	3520
	8	1200	1280
	10	104	344
	14	114	330
	16	172	375
	20E	100	285
	24	88	360
	28E	111	392
	2W	466	1240
	3	550	1440
	8	387	720
	10	107	330
	18	200	460
	22	387	760
	26	150	375
BL	30W	46	102
2E	1N	113	144
	2	79	144
	3	70	127
	4	161	500
	5	237	480
	6	200	540
	7	270	580
2W	1N	533	1600
	2	550	2080
	3	466	1520
	4	2840	2080
	5	660	560
	6	260	520
	7N	449	580
	1S	191	460
	2	161	265
	3	191	240
	4	104	135
	5	237	255
	6	119	164
2W	7S	268	1400
4E	1N	>4000	>4000
	2N	1330	2960
4E	3N	2600	3200
Std.		58	50



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

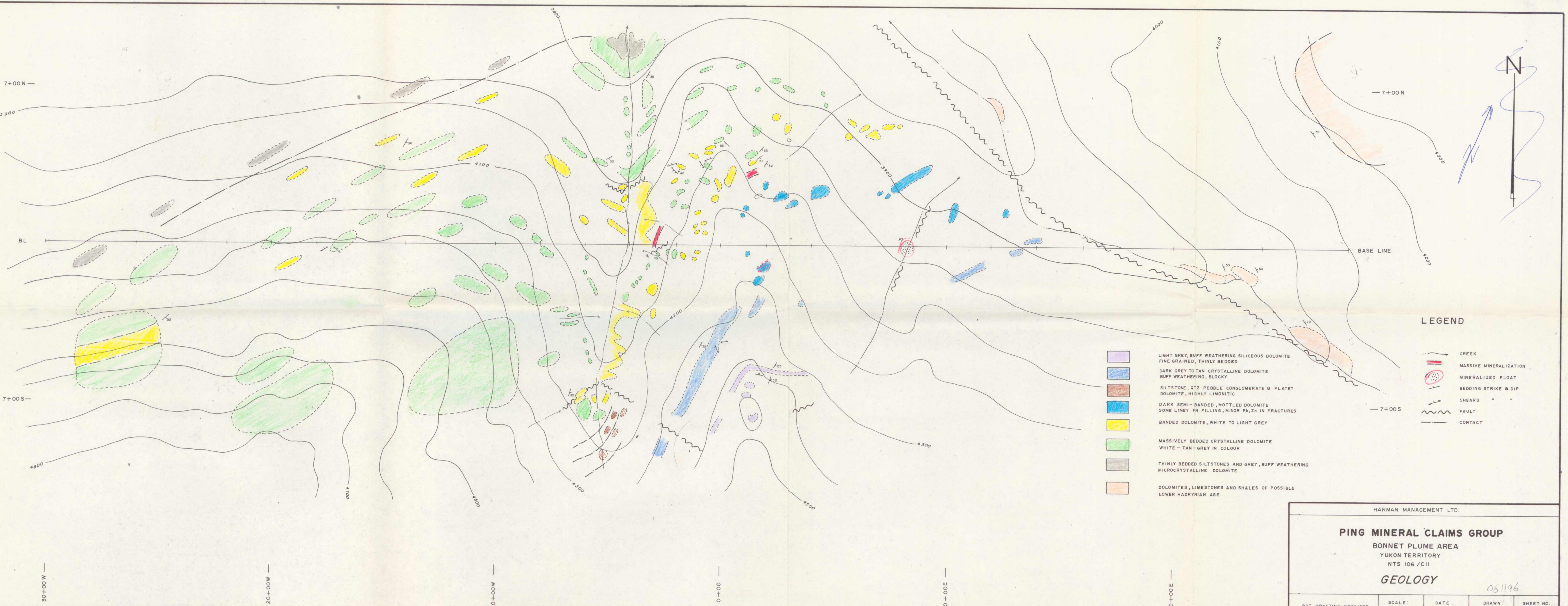
*R. Lewites*



**LEGEND**

- OSc LIGHT GREY, MASSIVELY BEDDED CARBONATES
- OSDr SHATTERED BLACK SHALES, APPEARS TO BE ROAD RIVER FORMATION
- Hd' INTERBEDDED DOLOMITES AND BANDED DOLOMITES MINOR QTZ PEBBLE, CONGLOMERATE, SILTSTONES AND LIMONITE
- Hsg INTERBEDDED DOLOMITES AND LIMESTONES WITH MINOR QUARTZITES AND SILTSTONES. MINOR Pb-Zn ASSOCIATED WITH SOME QUARTZ OPEN SPACE FILLING. PURPLE SHALE MARKER HORIZON.
- HEs FINELY LAMINATED BLACK SHALES POSSIBLY HELIKIAN IN AGE.
- MASSIVE MINERALIZATION
- GEOLOGICAL CONTACT
- FAULT
- FAULT INFERRED
- BEDDING, STRIKE AND DIP
- MINOR GALENA & SPHALERITE AS OPEN SPACE FILLING WITH SILICA
- CREEK
- TOPOGRAPHICAL CONTOUR (500' INTERVAL)
- CLAIM POST

HARMAN MANAGEMENT LTD.				
<b>PING MINERAL CLAIMS GROUP</b>				
BONNET PLUME AREA				
YUKON TERRITORY				
NTS 106 / C11				
<b>GENERAL GEOLOGY</b>				
061196				
PDT DRAFTING SERVICES	SCALE: 1" = 800'	DATE: OCTOBER 1974	DRAWN: P.P.	SHEET NO. 1



- LIGHT GREY, BUFF WEATHERING SILICEOUS DOLOMITE FINE GRAINED, THINLY BEDDED
- DARK GREY TO TAN CRYSTALLINE DOLOMITE BUFF WEATHERING, BLOCKY
- SILTSTONE, QTZ PEBBLE CONGLOMERATE & PLATEY DOLOMITE, HIGHLY LIMONITIC
- DARK SEMI-BANDED, MOTTLED DOLOMITE SOME LIMEY FR. FILLING, MINOR Pb, Zn IN FRACTURES
- BANDED DOLOMITE, WHITE TO LIGHT GREY
- MASSIVELY BEDDED CRYSTALLINE DOLOMITE WHITE - TAN - GREY IN COLOUR
- THINLY BEDDED SILTSTONES AND GREY, BUFF WEATHERING MICROCRYSTALLINE DOLOMITE
- DOLOMITES, LIMESTONES AND SHALES OF POSSIBLE LOWER HADRYNIAN AGE

**LEGEND**

- CREEK
- MASSIVE MINERALIZATION
- MINERALIZED FLOAT
- BEDDING STRIKE & DIP
- SHEARS " "
- FAULT
- CONTACT

HARMAN MANAGEMENT LTD.				
<b>PING MINERAL CLAIMS GROUP</b>				
BONNET PLUME AREA				
YUKON TERRITORY				
NTS 106 / C11				
<b>GEOLOGY</b>				
081196				
PDT DRAFTING SERVICES	SCALE: 1" = 200'	DATE: OCTOBER 1974	DRAWN: P.P.	SHEET NO. 2



NOTE: READINGS ARE IN ppm.  
 CONTOUR INTERVAL IS 500 ppm

HARMAN MANAGEMENT LTD.					
<b>PING MINERAL CLAIMS GROUP</b>					
BONNET PLUME AREA					
YUKON TERRITORY					
NTS 106 / C11					
<b>SOIL GEOCHEMISTRY - ZINC</b>					
PDT DRAFTING SERVICES		SCALE: 1" = 200'	DATE: OCTOBER 1974	DRAWN: P.P.	SHEET NO. 3

081196



7+00N —

BL

7+00S —

7+00N

BASE LINE

7+00S

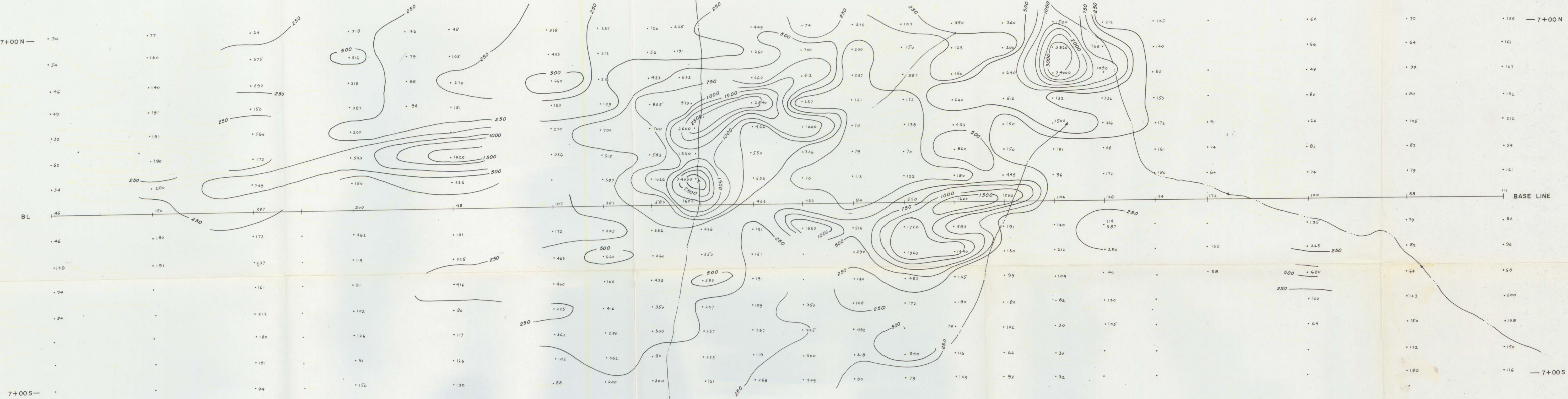
NOTE: VALUES ARE IN ppm.  
CONTOUR INTERVAL IS 250 ppm. TO 1000, 500 ppm ABOVE 1000.

HARMAN MANAGEMENT LTD.

**PING MINERAL CLAIMS GROUP**  
BONNET PLUME AREA  
YUKON TERRITORY  
NTS 106 / C11  
**SOIL GEOCHEMISTRY - LEAD**

061196

PDT DRAFTING SERVICES	SCALE: 1" = 200'	DATE: OCTOBER 1974	DRAWN: P.P.	SHEET NO. 4
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30+00W —

20+00W —

10+00W —

0+00

10+00E —

20+00E —