

00016

GEOLOGICAL & GEOCHEMICAL REPORT

on the

HARRY MINERAL CLAIMS

Lat. $64^{\circ} 30' N$ Long. $132^{\circ} 47' W$

for

LION MINES LTD
(HARMAN MANAGEMENT LTD.)

by

Charles K. Ikona P. Eng.

August 27, 1974

N.M.E.A.P.
Received
Jan 14, 1975.

61840

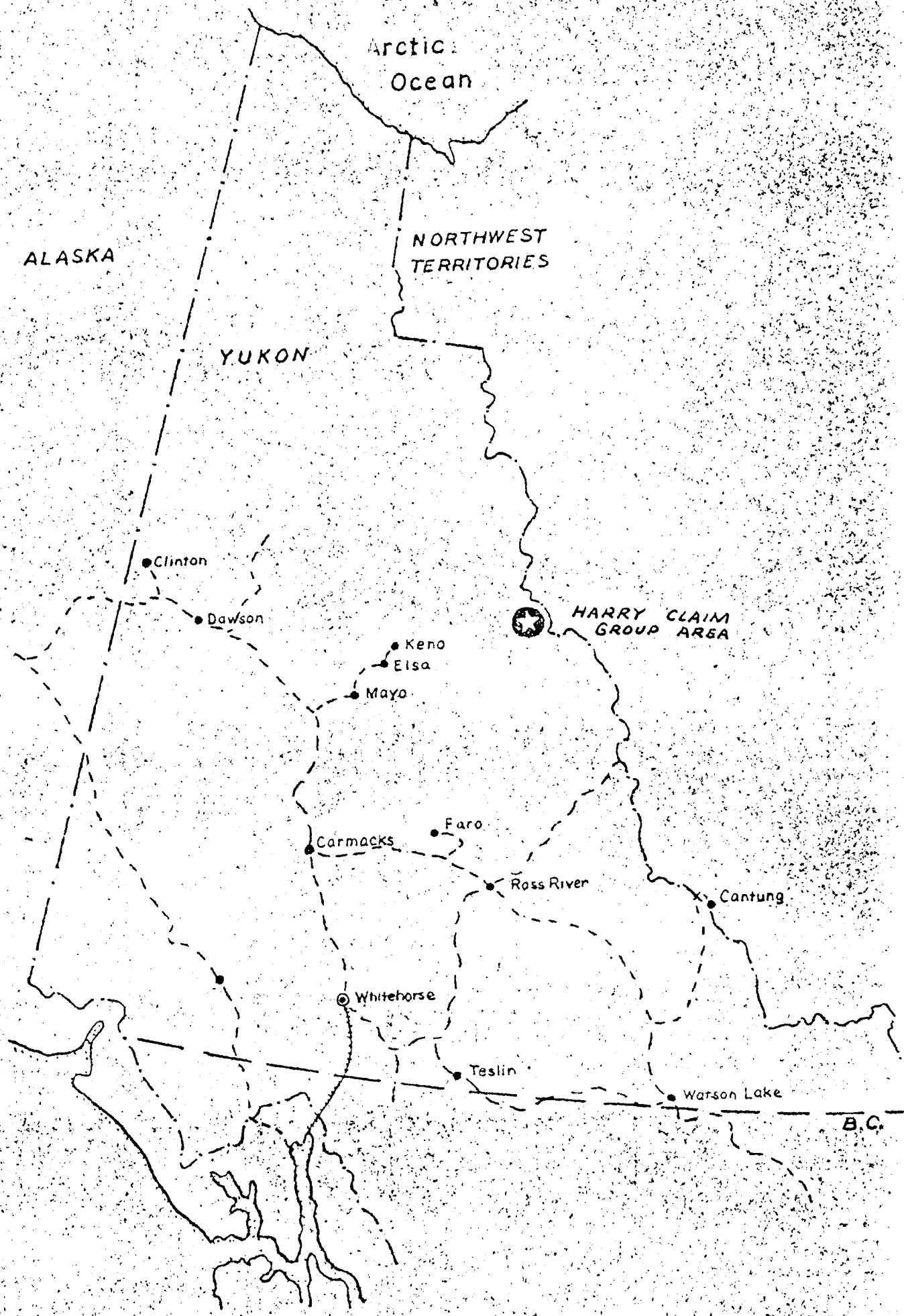
table of contents

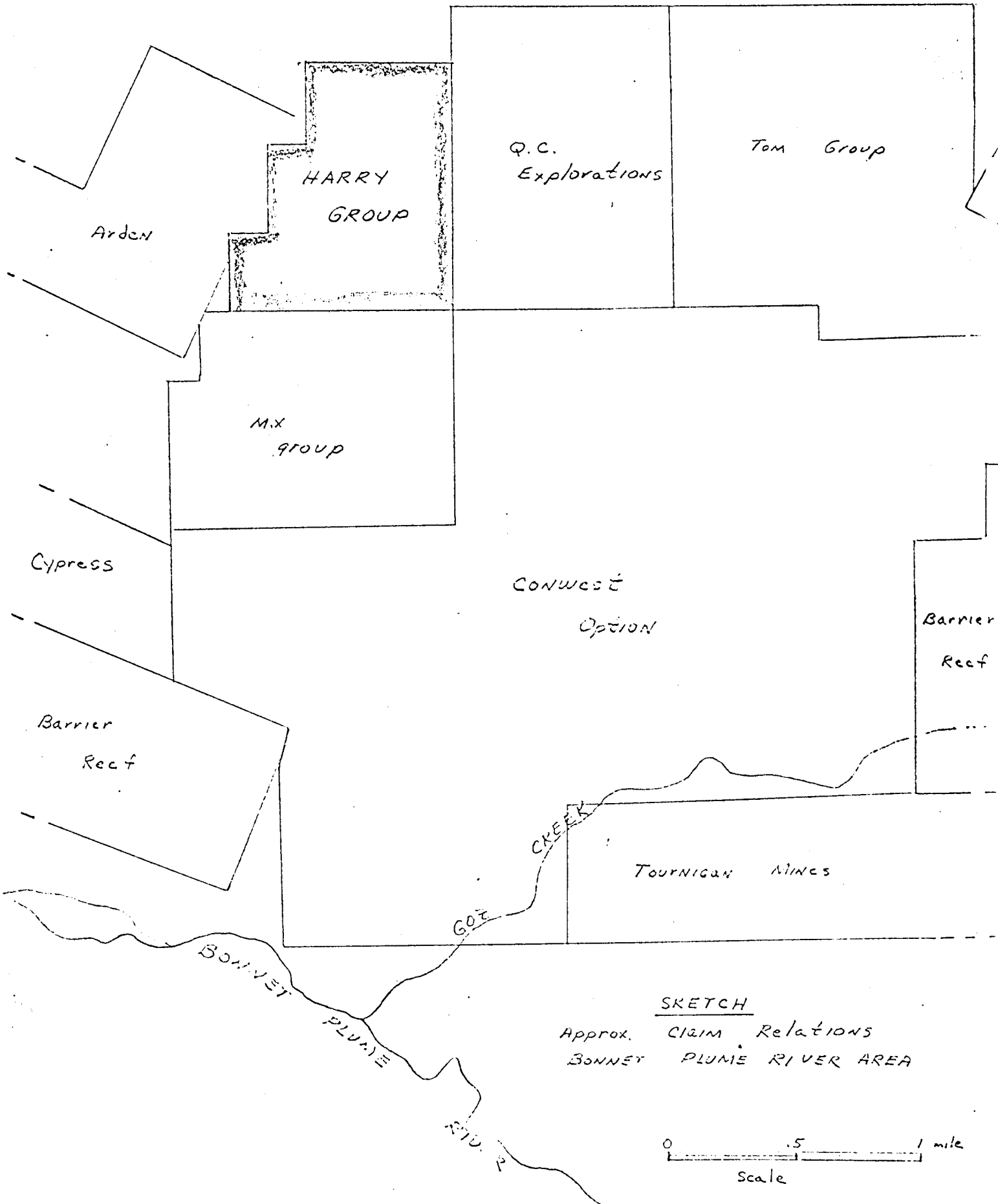
<u>Volume I</u>	<u>page</u>
area location map	1
property location map	2
introduction	3
location and access	3
topography	3
geology	4
geochemistry	4
method of analysis	4
discussion of results	5
list of personnel	6
statement of expenditures	7
engineer's certificate	8
direct cost data	9
map(s)	pocket

Volume II

A) statement of general expenses and notes

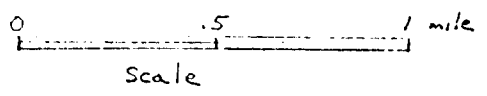
B) support data





SKETCH

Approx. CLAIM Relations
BONNET PLUME RIVER AREA



Introduction

A program consisting of geologic mapping, prospecting and geochemical sampling was performed on the Harry group during the periods June 11 - 13 and Aug. 1 - 7. This work was supervised by the Author.

List of Claims

Claim Names:	Harry 1 - 24
Grant No.'s:	Y85010 - Y85033
Expiry Date:	Sept. 4, 1974
NTS Sheet:	106-C-7

Location and Access

The Harry claims are located west of Harrison Creek in the Mayo Mining District of the Yukon Territory at approximately $64^{\circ} 28' N$ and $132^{\circ} 43' W$ on NTS map 106-C/7.

Access to the property can be made by fixed wing aircraft from Mayo, Y.T. to Goz Lakes, a distance of 123 air miles. From there it is approximately 20 miles to the property by helicopter.

The Harry Claim group consists of 24 contiguous mineral claims and is bounded on the East by the Dick group and on the south by the MX group.

Topography

Elevations on the group vary from 3500 feet to 4500 feet above sea level. Topography is moderately rugged on the East part in semi-marsh along Harrison Creek. Coniferous trees grow along Harrison Creek, with the ridges to the east having a moss and sparse brush cover.

Geology

The group is entirely underlain by brown and black shales and siltstones of the sheepbed formation. Some thinly interbedded brown quartzites or quartz sandstones along with minor pebble conglomerate beds to 6' in thickness are also present. General attitude of the unit is approximately N 50 E dipping 25° - 45° to the south although some local warping is evident.

The unit contains only minor carbonates, notably as calcite stringes. No mineralization other than limonite and decomposed pyrrhotite was located.

Geochemistry

30 soil and silt samples were collected from the Harry Claim group. Where possible these were taken at a depth of 12 inches. The samples were placed in kraft bags and air dried in camp.

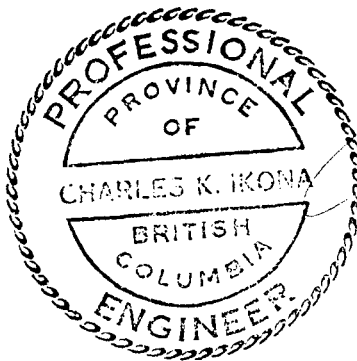
Method of Analysis

The samples were delivered to Chemex labs Ltd. 212 Brooksbank Ave., North Vancouver, B.C. for lead and Zinc determination. A hot acids digestion method was employed and analysis made on an atomic absorption unit.

Discussion of Results

The Geochemical Results are in general considered to reflect background values for the area, increasing to a minor extent as the marshy area along Harrison Creek is entered. An exception to this may be the two results reported along the Northwestern boundary of the group. Here the values of 68 ppm Pb, 392 ppm Zinc and 28 ppm Pb, 375 ppm Zinc are substantially above the results for the rest of the Harry group. However, even these are not particularly high for the general area and as the geology to the East of these results along Harrison Creek reflects no major change in the underlying unit the possibility of a mineral occurrence on the Harry group is remote in the extreme.

Consequently no further expenditure is recommended on Harry group at this time.



Respectfully submitted,

A handwritten signature in black ink, appearing to read "Charles K. Ikona", written over a horizontal line.

Charles K. Ikona, P. Eng.

List of personnel for the HARRY Group:

Chuck Ikona	2416 St. John's Port Moody, B.C.	P. Eng.	June 12, 13
Sean Dennison	210-2045 Carling Ave., Ottawa, Ont.	field hand	June 12
Duck Johnny	General Delivery, Ross River, Y. T.	prospector	Aug. 7 to 14 (4 days)
Kevin Milledge	5794 Atlantic Ave., Halifax, N.S.	field hand	Aug. 7 to 14 (4 days)

HARRY MINERAL CLAIM GROUP
Statement of Expenditures
August 27, 1974.

Direct Costs:

wages	9 man/days	\$ 450.00	
tagging posts	24 mineral claims	216.00	
geologic fees	C Ikona	220.00	
helicopter support	\$ 199/hour	915.40	
geochem samples	22 samples	44.00	
field equipment expense	\$ 6.00/man/day	66.00	
camp cost expense	\$ 10.00/man/day	<u>110.00</u>	\$ 2,021.40

Pro-Rata General Expense Costs (.045)

equipment supply depreciation	146.23	
contracts and rentals	14.30	
wages (mob & demob)	380.25	
food	per diem	
fuels	per hour	
helicopter (general)	437.27	
fixed wing (general)	378.63	
travel & accomodation	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>
sub total		3,874.02
Harman Exploration Ltd fee		<u>700.00</u>
<u>Total Expenditures to date:</u>		\$ <u>4,574.02</u>



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 Claim Group was performed under my personal supervision.

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



Charles K. Ikona, P. Eng.

A handwritten signature in cursive script, appearing to read "Charles K. Ikona", written over a horizontal line.

Direct Cost Invoices

Helicopter and geochemical support data

HELIVENTURE LTD

OUR NUMBER	275821
DATE	JUNE 23 - 74
CUSTOMER'S ORDER	
SALESMAN	R. G. STURGES.
TERMS	
F.O.B.	

SOLD TO HARMAN MANAGEMENT LTD
1332 4509 WHITEHORSE YUKON

SHIPPED TO _____
 ADDRESS _____ VIA CANADA

INVOICE

	RESUPPLY AND (PART MOVES)	3	.1		
	GOZ LAKE LOCATE (B.I.R. GROUP)	2	0		
	RECCO (CHISHOLM & HARMAN) 1.2 (LION & COLBY)	1	2	G	
		6	3	65	7

HELIVENTURE LTD

HEZIVENTURE LTD

QUIR NUMBER	275812
DATE	JUNE 14-74
CUSTOMER'S ORDER	
SALESMAN	R.G. STURGET
TERMS	
F.O.B.	

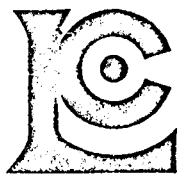
SOLD TO HARMAN MANAGEMENT LTD
Box 4509 WHITEHORSE ALBON

SHIPPED TO _____

ADDRESS _____ VIA C-9HFA.

INVOICE

	HARRY CLAIM	1	2		
	DICK CLAIM	1	2		
	DUB CLAIM	£	9		
		3	3	27	0



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.

ATTN:

CERTIFICATE NO. 27985
 INVOICE NO. 12149
 RECEIVED Aug. 12/74
 ANALYSED Aug. 15/74

SAMPLE NO. :	PPM Lead	PPM Zinc	
Dick A 24	52	360	
25	54	317	
26	60	285	
27	77	733	
28	62	375	
Dick A 29	212	80	
Dick 1 B	58	420	
2	58	344	
3	64	140	
4	50	285	
5	54	344	
6	32	95	
7	30	95	
8	56	135	
9	32	95	
10	38	89	
11	30	92	
12	44	108	
Dick 13 B	40	98	
Dick 1 D	52	406	
D 1	50	140	
2	60	62	
3	40	92	
4	74	89	
5	100	152	
6	129	148	
7	18	92	Rock
8	26	120	Rock
Dick D 9	32	120	
Harry 1-B	36	22	
2	28	22	
3	18	65	
4	18	55	
5	16	62	
6	16	34	
7	70	47	
Harry 8 B	68	392	
Harry 5C	28	375	
6.	24	89	
Harry 7C	26	105	
Std.	58	50	



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *H. Schaper*



LEGEND

- Shearbed formation
thinly bedded brown blk. shales
& silt stones
Thinner interbedded qtz. ss
& pebble conglomerates
- Lower cambrian dolomites

132° 43' W

64° 28' N

GEOLOGY AND GEOCHEM		
HARRY GROUP		
63° 28' N	132° 45' W	
BURNET PLUME RIVER AREA Y.T.		
CAN C1	Scale 1" = 1000'	Aug 1979
HARMAN Mgmt Ltd.		