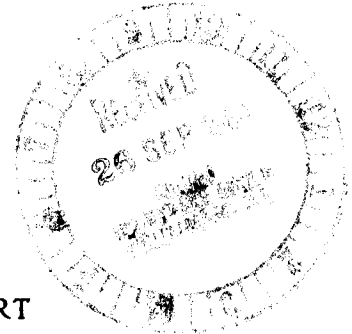


NO. 105 L 15	TYPE OF WORK: DIAMOND DRILLING		091558
LED UNDER	Getty Canadian Metals Ltd.		
FORMED	May 30 - June 9, 1984	DATE FILED: September 26, 1984	
LAT.	62°49'N	<i>Clear Lake, Yukon</i>	
LONG.	135°05'W		
	MacMillan Joint Venture claim group:		
	SUE 2010 YA22730		
BY	D.R. Hawke		
FOR	Getty Canadian Metals Ltd.		
558			

One 460m NQ diamond drill hole was completed to test the downdip extension of the main sulphide zone. Geologic data from the hole is interpreted as indicating that the sulphide zone is fault truncated at depth. Three miles of linecutting was also completed to extend and fill in the previously cut grid.

MACMILLAN JOINT VENTURE
CLEAR LAKE DESIGNATED AREA
1984 DIAMOND DRILL ASSESSMENT REPORT



Author: D.R. Hawke
Date: August, 1984
Commodities: Pb, Zn, Ag
Location: Mining District - Whitehorse, Yukon Territory
Co-ordinates Latitude 62 49'N
Longitude 135 05'W
N.T.S. 105/L, Glenlyon

091558

WHITEHORSE

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

091558



R ACTION ARE:

- NEW APPL'N for PLACER LEASE to PROSPECT: Name:
- RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:
- AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name:
- SECURITY DEPOSIT
- FINANCIAL ABILITY
- ASSIGNMENT of PLACER LEASE No.
From: To:

Lease No.

Lease No.

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner:

DIAMOND DRILL LOGS:

Claims: **"Sue" Group**

Claim sheet no: **105-L-14**

QUARTZ ASSESSMENT REPORT:

Claims:

Claim sheet no:

Type of report:

Submitted by:

GETTY MINES LIMITED

Cls. work performed on

§ Req. for ren. application

Sue 2010

1 Hole 1500'


Signature

Y ACTION.

Date Ret.

TABLE OF CONTENTS

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	1
SUMMARY AND CONCLUSIONS	1
DIAMOND DRILLING STATISTICS	1
CORE HANDLING AND LOGGING PROCEDURES	4
GEOLOGIC LOGS, MAPS AND SECTIONS	4

ILLUSTRATIONS

<u>FIGURE</u>	<u>MAP</u>	<u>SCALE</u>	<u>PAGE</u>
Figure 1	Project Location Map	1:6,335,000	2
Figure 2	Plan Map (DDH Location)	1" to ½ mile	5
Figure 3	DDH Section - 84-48	1:600	back pocket

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Table I	1984 Drill Hole Data	3
Table II	Geological Legend, Symbols & Abbreviations	6

APPENDICES

Appendix I	Statement of Qualifications
Appendix II	Statement of Expenditures
Appendix III	Diamond Drill Log, Hole 84-48

INTRODUCTION

The 1984 diamond drill program (operated by Getty Canadian Metals, Limited) consisted of one hole (84-48), 1,500 feet in length.

The Clear Lake Designated Area is held under joint venture agreement - the MacMillan Joint Venture - between Getty Canadian Metals, Limited (76%) and Essex Minerals Company, Ltd. (24%).

The Clear Lake deposit is located 150 miles north of Whitehorse at approximately $62^{\circ} 49'N$ latitude and $135^{\circ} 05'W$ longitude (see Figure 1). Access is by fixed wing aircraft to an airstrip on the property or, alternately, by helicopter from Pelly Crossing located 45 miles to the west.

SUMMARY AND CONCLUSIONS

Hole 84-48 was designed to test the down dip continuity of the high grade mineralization intersected in hole 83-47. If successful, this test would significantly enhance the down dip potential of the central portion of the main sulphide zone.

Hole 84-48 was drilled to a depth of 1,500 feet without intersecting significant sulphides. The present interpretation of the data suggests that the sulphides are faulted off at depth, in view of this, no additional drilling is recommended for the Clear Lake deposit.

DIAMOND DRILLING STATISTICS

The diamond drilling was carried out by E. Caron Diamond Drilling Ltd. of Whitehorse, Yukon Territory, during the period May 30 to June 9, 1984. One NQ hole (84-48) was completed to a final depth of 1,500 feet during this period. Parameters for this hole are listed in table I. A skid-mounted Long-year 38 drill, which wintered at the property during 1983 was utilized for the drill program. Drill moves were made using Getty's Caterpillar D-3 which winched the drill from site to site. The average penetration rate when drilling was 75 feet per shift which is substantially higher than in previous years. This increase is attributed to the relatively good weather conditions plus the lack of problems encountered while drilling. The collar of the hole was surveyed in by chain and tripod-supported Brunton compass from established Survey points.

The average core recovery for hole 84-48 is 96% and the average RQD (rock quality designation) is 31%.

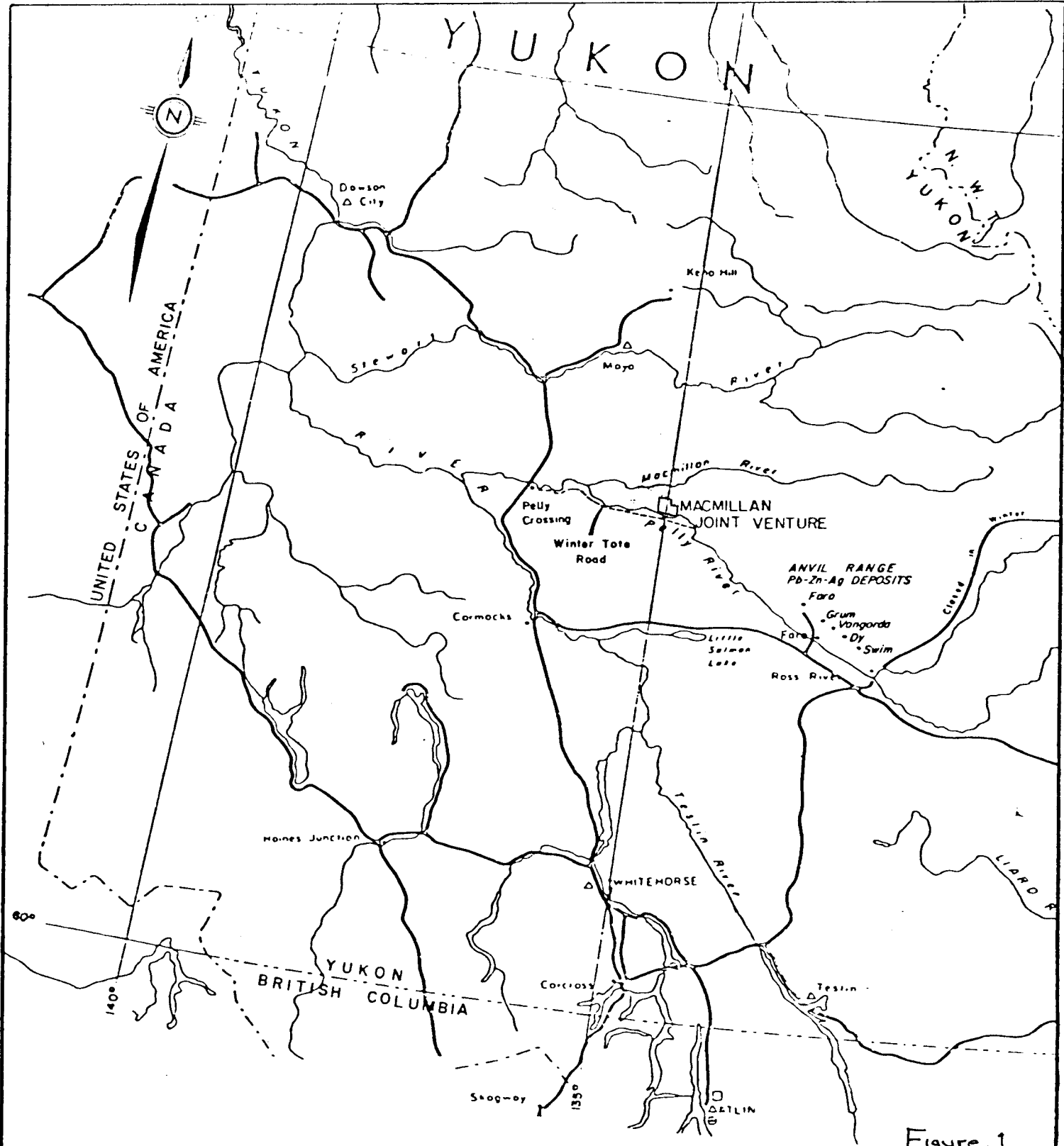


Figure 1

MACMILLAN JOINT VENTURE

LOCATION MAP



DRAWN BY L. CONNOR	DATE DEC. 1981
CHECKED BY C. PAYNE	DRAWG. NO. 1
NTS	SCALE 1" = 50 miles

Getty Canadian Metals, Ltd.

TABLE I

1984 DRILL HOLE DATA

HOLE NO.	UTM CO-ORDINATES		COLLAR AZIMUTH	COLLAR DIP	LENGTH	COLLAR ELEVATION	CORE SIZE	START DATE	COMPLETE DATE
	NORTH	EAST							
84-48	6 961 290	492 176	267°	-60°	1,500'	2,297.0'	NQ	May 30/84	June 9/84

CORE HANDLING AND RECORDING PROCEDURES

Core was scrubbed to remove mud and rod-grease prior to logging and the measurement of core recovery plus RQD (Rock Quality Designation).

R.Q.D. is a measure of the structural competency of a rock and it is defined as: summed core lengths, greater than 10 cm each divided by the total length drilled.

All the diamond drill core was systematically logged under natural light. Mineralized sections were split and sample intervals were tailored to the distribution and grade of the mineralization encountered.

One half of the interval was sent for assay and the remaining half is stored on the property. The split intercepts destined for assay were placed in plastic sample bags, tagged and sent to Acme Analytical Laboratories in Vancouver for zinc, lead and silver assaying. All pulps are stored at Acme's facility in Vancouver.

During 1983 the Clear Lake lithological divisions were re-defined (ie. simplified) to aid in geologic interpretation. The core logging sheet was modified somewhat and is specifically set up for the Clear lake drilling program providing written documentation as well as graphic representation of data. Table II shows the geologic legend, symbols and list of abbreviations which were used in the 1984 logging.

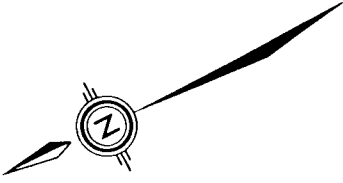
GEOLOGIC LOGS, MAPS AND SECTIONS

A detailed log for hole 84-48 is presented in Appendix III

Figure 2 is a plan view map (1" to ½ mile) showing the position of Hole 84-48 with respect to the claim locations.

A drill section (viewed perpendicular to the drill hole axis) at a scale of 1:600 is shown in Figure 3.

Lithology, structure and assay data are illustrated next to the trace (vertical) of the hole.



84-48 Drill Hole

MACMILLAN JOINT VENTURE

LOCATION MAP

D.D.H. 84-48

DATE: DRAWING:
CHECKED BY: SCALE: 1" = 1/2 MI.
GETTY CANADIAN METALS, LTD.

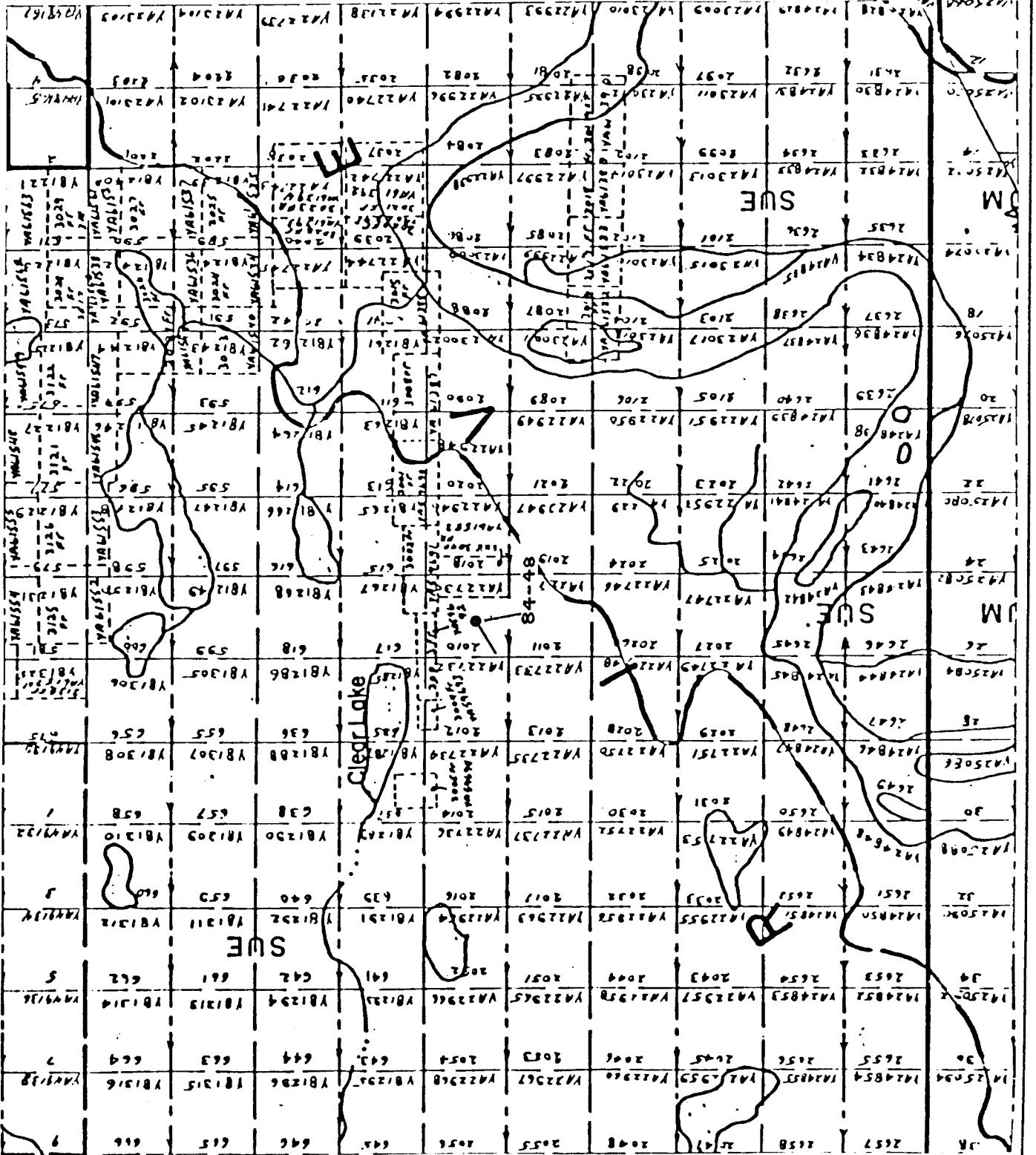

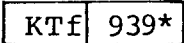
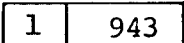



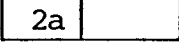

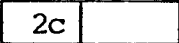


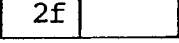
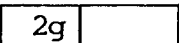
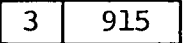
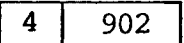
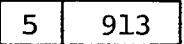
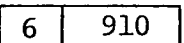

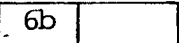
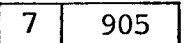
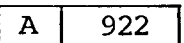
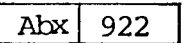
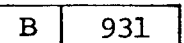


TABLE II

GEOLOGIC LEGEND

SYMBOLS AND ABBREVIATIONS

LEGEND

		OVERBURDEN	
		FELSITE	
		SANDSTONE	
			massive
			laminated
		ARGILLITE	
			massive, carbonaceous
			with minor sandstone/siltstone bands
			with many sandstone/siltstone bands
			cherty argillite
			calcareous argillite with thin limestone interbeds
			argillaceous limestone, grey limestone, minor calcareous argillite
			argillite with thin light brown dolomitic bands
		BRECCIA/CONGLOMERATE	
		CHERT	
		LAPILLI TUFF	
		TUFF	
			massive, siliceous (cherty) tuff
			laminated, grey green siliceous (cherty) tuff
		MAFIC VOLCANIC FLOWS	
		MASSIVE SULPHIDE	
		MASSIVE SULPHIDE BRECCIA	
		BARITE	

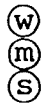
SYMBOLS/.....

*Prismacolor pencil crayon numbers

SYMBOLS AND ABBREVIATIONS



Pyrite stockworks
 weak veining
 moderate veining
 strong veining



Quartz/Carbonate/Siderite stockworks
 weak veining
 moderate veining
 strong veining



Silicification



Fossils



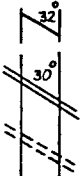
Breccia (Fault)



Bedding, Top observation

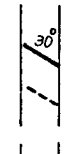


Bedding, angle to core axis



Shear - dip known with respect to core axis

- dip unknown with respect to core axis



Fracture - dip known with respect to core axis

- dip unknown with respect to core axis



Fault - dip known with respect to core axis

dip unknown with respect to core axis

qtz

quartz

sid

siderite

carb

carbonate

cal

calcite

ank

ankerite

gal

galena

py

pyrite

cpy

chalcopyrite

sph

sphalerite

C.A.

core axis

C

bedding contorted

APPENDIX I

STATEMENT OF QUALIFICATIONS

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, D.R. Hawke, hereby certify that:

- (1) I am a geologist residing at #107-150 East 5th Street, North Vancouver, B.C.
- (2) I received an honours B.Sc. degree, plus an M.Sc. degree in Geology from Laurentian University in Sudbury, Ontario and I have been practising my profession since 1973.
- (3) I am the author of this report and supervised the program described herein.
- (4) I am employed as a geologist with Getty Mines, Limited.

APPENDIX II

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

MACMILLAN JOINT VENTURE

DIAMOND DRILLING (as per attached invoices)	\$80,670.76
AIRCRAFT CHARTER (as per attached invoices)	\$18,539.32
	<hr/>
TOTAL	\$99,210.08
	<hr/>

D.R. Hawke

D.R. Hawke

GETTY CANADIAN METALS, LIMITED



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse. Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-B-337

GETTY MINES, LIMITED

Invoice approved for payment:

D. G. Siders

May 31, 1984

Invoice #-1484

Charge expense element: _____

W-1-3-811-322-10-5002.

IN ACCOUNT WITH:

Getty Canadian Metals Ltd., Project: _____
#509 - 700 W. Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges May 25 to 31, 1984: (Clear Lake)

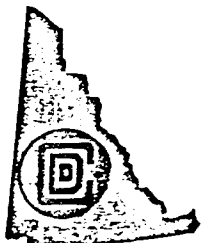
<u>Hole 84-48/60/NQ</u>			
<u>Moving onto First Site</u>			
112 man hrs.	@ \$29.00 per hr.	=	\$3,248.00
<u>Reaming Cave in Bedrock</u>			
12 man hrs.	@ \$29.00 per hr.	= \$	349.00
6 machine hrs.	@ \$18.50 per hr.	= \$	111.00
			\$ 459.00
<u>Waterline Installation</u>			
14 man hrs.	@ \$29.00 per hr.	=	\$ 406.00
<u>Travelling Time</u>			
16 man hrs.	@ \$29.00 per hr.	=	\$ 464.00
<u>Casing</u>			
0 - 20 = 20 ft.	@ \$28.00 per ft.	=	\$ 560.00
<u>Coring</u>			
20 - 235 = 215 ft.	@ \$23.75 per ft.	=	\$5,106.25
			\$10,243.25
<u>Camp Watersupply</u>			
800 ft. plastic pipe	@ 35c per ft.	= \$	280.00
<u>Northern Metallic</u>			
Invoice # 55378		= \$	13.82
<u>Finning Tractor</u>			
Invoice # 110073		= \$	22.82
<u>Stabilized Corebarrels</u>			
J.K. Smit Invoice # 440873		=	\$3,222.30
			\$3,538.94
		=	\$ 530.84
			\$ 4,069.78

lost in hole ret.

+ 15%

Total Invoice \$14,313.03

Project	K.M.		\$
	Major	Sub	
W-1-3-811-322-10-5002			
Invoice Total			
Approved: <i>D.R. Hancock</i>			





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

June 11, 1984

Invoice #-1489 CARON LTD. LIMITED

Approved for payment:

d. a. Shank

Charge expense element:.....

W-1-3-811-322-10-5002

Charge Project:.....

IN ACCOUNT WITH:

Getty Canadian Metals Ltd.,
#509 - 700 W. Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges June 1 to 11, 1984

(Clear Lake)

Hole: 84-48/60/NQ

Moving

116 man hrs. @ \$29.00 per hr. = \$ 3,364.00

Conditioning Hole

2 man hrs. @ \$29.00 per hr. = \$ 58.00

1 machine hr. @ \$18.50 per hr. = \$ 18.50 \$ 76.50

Testing

4 Tests @ \$71.25 per test = \$ 285.00

Travelling Time

8 man hrs. @ \$29.00 per hr. = \$ 232.00

Coring

235 - 1500 = 1265 ft. @ \$23.75 per ft. = \$30,043.75 \$34,001.25

Casing Left in Hole:

6 pieces @ \$150.00 per piece = \$ 900.00

1 NW shoe @ \$400.00 each = \$ 400.00 \$ 1,300.00

+ 15% = \$ 195.00 \$ 1,495.00

Meals Charged to Getty

May 28 to June 10/84

158 meals @ \$10.00 each = \$ 1,580.00

Total Invoice

\$37,076.25

(11482-387)

322-10-5002

D.R. Hawke





July 15, 1984

Invoice #-1526

IN ACCOUNT WITH:

Getty Mines Ltd.,
Suite 509 - 700 West Pender Street,
Vancouver, B. C.
V6C 1G8

Demobilization Charges July 11 to 15, 1984: (Clear Lake)

<u>Demobilization</u>			
179.5 man hrs.	@ \$29.00 per hr.	=	\$5,205.50
<u>Travelling Time</u>			
9 man hrs.	@ \$29.00 per hr.	=	\$ 261.00
<u>Truck Hours</u>			
18 machine hrs.	@ \$50.00 per hr.	= \$	900.00
5 machine hrs.	@ \$50.00 per hr.	= \$	<u>250.00</u>
			\$1,150.00
<u>Trips</u>			
2 trips	@ \$650.00 per trip	=	\$1,300.00
<u>Cook June 11 to July 14</u>			
33 days	@ \$108.33 per day	=	\$3,574.89
<u>Truck Rental</u>			
3 months			
June/July/ August	@ \$1,200.00 per mo	=	\$3,600.00
<u>Total Groceries</u>			
Brought		=	\$3,989.48
\$1.00 per foot groceries			
for own people (credit)		=	<u>\$1,500.00</u>
			\$2,489.48
Additional \$5.00 per foot for footage			
drilled to compensate for Drill Standby			
and abbreviated Contract		=	<u>\$7,500.00</u>
			<u>\$25,080.87</u>

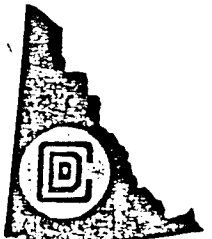
Total Invoice \$25,080.87

GETTY MINES, LIMITED

Invoice approved for payment:
D.R. Hawks

Charge expense element:

W-1-3-811-322-10-5002 = 20,064.70
Charge Project: 314-10-5003 = 5,016.17



Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Invoice approved for payment:
D. R. H. [Signature]

AIRCRAFT CHARTER

INVOICE 002492 DATE July 14, 1984

Getty Mines Ltd.
Suite 509
700 W. Pender St.
Vancouver, B.C.
V6C 1G8

Charge expense element:
11-1-3-811 - 301 - 10 - 5002 = 388.50
301 - 10 - 5003 = 388.50
Charge Project: PHONE 668-2228

DESCRIPTION	AMOUNT
Re: Charter C-206	
Pilot: Gilmore	
Flying: 300 miles @ \$2.59/mile	777.00
Fuel: included above	
Total	\$777.00

D. R. H. [Signature] \$ 388.50
5002 301-1 388.50
5003 301-1 388.50

CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET
No. 002492

NAME: GETTY MINES
ADDRESS: [Blank]
DATE: July 14, 1984
11-1-3-811 - 301 - 10 - 5002 = 388.50

From/Whichever	Miles	Hours	Cargo	Passenger	Remarks
Gold Lake	150				
Whitehorse	150				
Whitehorse					

Special Instructions	at	Per Hour
300		
2.59	at	Per Mile
Waiting Time	at	Per Hour
Fuel	gals @	Per Gallon
Other		
TOTAL CHARGES		777.00

Signature: [Signature]
301-1 388.50
Charterer's Authorization
Willow Printing Co 301-24 388.50

Air North Charter and Training Ltd.

Hour Telephone Service 668-2228
 Box 4998, Whitehorse, Yukon, Y1A 4S2

GETTY MINES, LIMITED

Invoice approved for payment
C. S. [Signature]

Charge expense element:

111-3-811-301-10-5002 = 7309.80

Charge Project: 5003 = 4873.20

PHONE 668-2228

CRAFT CHARTER

VOICE 002919 DATE JULY 13, 14, 15, 1984

Getty Mines
 Suite 509
 700 W. Pender St.
 Vancouver, B.C.

DESCRIPTION	AMOUNT
-------------	--------

Re: Charter Caribou

Pilot: Ambrose

Flying: 1980 miles @ \$5.75/mile

Fuel: 300 gals @ \$2.66/gal

Total \$12183 00

D.R. + [Signature]
 5002 3019 7309.80
 5003 301-3 4873.20

SEVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24-Hour Telephone Service 668-2228
 Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET

002919

C. S. [Signature]

AC D. GUY 2

DATE JULY 13-14-15

NAME GETTY

111-3-811-301-10-5002 = 7309.80

ADDRESS

5003 = 4873.20

From	Miles	Hours	Cargo	Passenger-Remarks
------	-------	-------	-------	-------------------

To CLEAN LAKE 150

MINUTO

DRILL + CAMP

CLEAN LAKE

DEMOLITION

12 TRIPS

70 MILES X 24

1680

WHITEHORSE

150

Special Instructions

at Per Hour

FUEL 300 GAL @ 2.66

1980

at 5.75 Per Mile

11385 00

Remainder of

Waiting Time at Per Hour

FUEL SUPPLIES

Fuel 300 gals @ 2.66 Per Gallon

798 00

BY CUSTOMER

Other

TOTAL CHARGES

12183 00

D.R. + [Signature]
 5002 3019 7309.80
 5003 301-3 4873.20
 Pilot's Signature [Signature] Charterer's Authorization

Willow Printers

Air North Charter and Training Ltd.

GETTY MINES, LIMITED

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Invoice approved for Payment:

[Signature]

Charge expense element: 301-10-5002

Charge Project: PHONE 668-2228

INVOICE

002485

DATE July 11, 1984

Getty Mines Ltd.
SUITE 509
700 W. PENDER ST.
VANCOUVER, B.C.
V6C-1G8

DESCRIPTION	AMOUNT
Re: Charter C-206	
Pilot: Gilmore	
Flying: 300 miles @ \$1.44/mile	432 00
Fuel: included above	
Total	\$432 00

5002 301-3 432.00

[Signature]

SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

CHARTER TICKET
NO 002485

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

AC GETTY

NAME GETTY

ADDRESS

MA 1-3-811-301-10-5002

From	Miles	Hours	Cargo	Passenger	Remarks
Whitehorse	150				
Whitehorse	150				

TO Whitehorse

SUITE 509
700 W. PENDER ST.
VANCOUVER, B.C.
V6C-1G8

Special Instructions

at 1.44 Per Hour

at 1.44 Per Mile 432.00

Waiting Time at Per Hour

Fuel gals @ Per Gallon

Other

TOTAL CHARGES 432.00

[Signature]

Pilot's Signature 301-3 Bases 2 Charterer's Authorization

Willow Printers

[Signature]

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTERED BY: GETTY, LIMITED

Invoice approved for payment:
J. A. ...

Charge expense element: 10-2002-216-30
5003:216-30

PHONE 668-2228

Charge Project: ...

DATE: July 6, 1984

INVOICE 002477

Getty Mines Ltd.
C/O Andronik Expediting

DESCRIPTION	AMOUNT
-------------	--------

Re: Charter C-206

Pilot: Gilmore

Flying: 300 miles @ \$1.44/mile

Fuel: included above

Total \$432 00

5002 301-1 216.00
5003 301-1 216.00

D. R. ...

SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET NO. 002477

AC *Shiz*

NAME *GETTY*

ADDRESS

From *Whitehorse*

To *Chen Lake*

Whitehorse 150

DATE *July 6/84*

Miles	Hours	Cargo	Passenger	Remarks
300				

Special Instructions

at *1.44* Per Hour
at *1.44* Per Mile *432 00*

Waiting Time at Per Hour

Fuel gals @ Per Gallon

Other

TOTAL CHARGES *432 00*

Pilot's Signature *[Signature]*

Willow Printers

301-1 216.00
301-1 216.00

Charterer's Authorization *[Signature]*

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
 Box 4998, Whitehorse, Yukon, Y1A 4S2

D. G. [Signature]

Charge expense element 1
 301-10-5002 = 216.00
 5003 = 216.00

AIRCRAFT CHARTER

Charge Project:

PHONE 668-2228

INVOICE 002481 DATE JULY 9, 1984

Getty Mines Ltd.
 C/O Andronik Expediting

DESCRIPTION AMOUNT

Re: Charter C-206

Pilot: Gilmore

Flying: 300 miles @ \$1.44/mile

Fuel: included above

Total \$432.00

5002 301-1 \$216.00
 5003 301-1 \$216.00

JUL 19 1984

SERVICE CHARGE OF 2% ENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
 Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET

NO. 002481

NAME GETTY

DATE 7/9/84

ADDRESS

11-1-3-811-301-306-5002 = 216.00

From	Miles	Hours	Cargo	Passenger	Remarks
Whitehorse	150				
Whitehorse	150				out + gear

Special Instructions

300

Waiting Time	at	Per Hour
	at 1st	Per Mile
		432.00
Fuel	gals @	Per Gallon
Other		
TOTAL CHARGES		432.00

[Signature]
 Pilot's Signature 301-1

Base

Charterer's Authorization

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

JUL 4 - 1984

Getty Mines Limited

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002382

DATE June 23, 1984

Getty Mines
C/O Andronik Expediting

GETTY MINES, LIMITED

Invoice approved for payment

DESCRIPTION	AMOUNT
Charge expense element	
Re: Charter Navajo	174.45
Pilot: Sparling	174.45
Flying: 300 miles @ \$1.35/mile	405 00
Fuel: 45 gals @ \$2.63/gal	118 35
Total	\$523 35
5003 301-1	174.45
5002 301-1	174.45
2038? 301-1	174.45 ✓

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

JUL 4 - 1984

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002385

DATE June 26, 1984
GETTY MINES, LIMITED

Getty Mines Ltd invoice approved for payment:
C/O Andronik Expediting

D. G. Silvers

Charge expense elements

DESCRIPTION	AMOUNT	TOTAL
1W-1-3-811-301-10 - 5002 = 272.19		
Charge Project: 5003 = 272.19		
Re: Charter Navajo		
Pilot: Sparling		
Flying: 300 miles @ \$1.35/mile	405	00
Fuel: 53 gals @ \$2.63/gal	139	39
Total	\$544	39
5002 301-1 272.19		
5003 301-1 272.20		

JUL 4 - 1984

D. R. H. [Signature]

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228

Box 4998, Whitehorse, Yukon, Y1A 4S2 payment:

d. g. [Signature]

Account Number: _____

PHONE 668-2228

AIRCRAFT CHARTER

W-1-3-811-301-10-5002

INVOICE 002335

DATE June 11, 1984

Getty Mines
C/O Andronik Exp.

JUN 28 1984

DESCRIPTION	AMOUNT
Re: Charter Islander	
Pilot: Clougher	
Flying: 300 miles @ \$2.00/mile	600 00
Fuel: 60 gals @ \$2.63/gal	157 80 ✓
Total	\$757 80 ✓
<p><i>W-1-3-811-301-10-5002</i></p> <p><i>D.R. [Signature]</i></p>	

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

BM

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

VOICE APPROVED FOR PAYMENT

J. G. Gilmore

Charge expense account: 111-3-811-301-10-5002=307.78
5003=131.90

Charge Project: PHONE 668-2228

INVOICE 002353 DATE June 6, 1984

Getty Mines
C/O Andronik Exp.

AIRCRAFT CHARTER

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET
NO. 002353

AC L12 DATE June 6, 1984

NAME Getty Mines 5002=307.78
ADDRESS Getty Exploration 5003=131.90

From Whitehorse Miles Hours Cargo Passenger-Remarks

To Chena Lake 150 1:05 775 SPECIES/OIL

Whitehorse 150 1:05 100 ELECTRIC EQUIP

Special Instructions

at	Per Hour	
at 1.15	Per Mile	345.00
Waiting Time	at	Per Hour
Fuel 36	gals @ 2.63	Per Gallon
Other		
TOTAL CHARGES		439.68

301 307.78
303 131.90
Bdse 90
439.68
Approved: *J. G. Gilmore*
Charterer's Authorization
Willow Printers
NR 5130723

SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

DESCRIPTION AMOUNT

Flying: 300 miles @ \$1.15/mile	345	00
Project: 36 Item @ \$2.63/gal	94	68
Major		
Sub		
TOTAL	\$439	68
5002 301 1 307.78		
5003 303 1 131.90		
Invoice Total	439.68	

JUN 15 1984

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Invoice approved for payment: *L. A. Selenside*

AIRCRAFT CHARTER

INVOICE: 003761

DATE: May 29, 1984

Getty Mines
C/O Andronik Exp.

Charge Project: 301-3-10-5002 = 546.00
301-3-10-5003 = 234.00
PHONE: 668-2228

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET
No. 003761

AC: KMT

NAME: Getty Exploration

ADDRESS: 110-3-811-301-10-5002 = 546.00

DATE: May 29

From	To	Miles	Hours	Cargo	Passenger	Remarks
Whitehorse	Clara Lake	150				
Whitehorse	Whitehorse	150				

*Willow logs in
mechanical line in this cost*

Special Instructions

at	Per Hour	at	Per Hour
300	at 2.60 per Mile	780	00
Waiting Time	at	Per Hour	
Fuel	gals @	Per Gallon	
Other			
TOTAL CHARGES			780.00

Pilot's Signature: *D. Bergren 301*

Base: *301*
Charterer's Authorization: *Gary Child*

Willow Printers

DESCRIPTION

AMOUNT

Re: Charter Islander

Pilot: Bergren

Flying: 300 miles @ \$2.60/mile

780 00

Project	Fuel:	Included above		Total
		Major	Sub	
5002	301	1	546.00	
5003	301	3	234.00	
Invoice Total				780.00

Approved: *D. Bergren*

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Invoice approved for: *P. O. Silver*
 M.A. 3-811-301-10-5002 = 780.00

Charge Project: _____

PHONE 668-2228

INVOICE 003759 DATE May 28, 1984

Getty Mines
C/O. Andronik Exp.

DESCRIPTION	AMOUNT
-------------	--------

Re: Charter Islander
Pilot: Bergren

Flying: 300 miles @ \$2.60/mile 780 00

Project	Included above		Total
	Major	Sub	
5002	301	3	780.00
Invoice Total			780 00

Approved: *J.R. Hunter*

SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET 003759

AC KMS DATE July 28

NAME Getty Mines M.A. 3-811-301-10-5002 = 780.00

ADDRESS

From	To	Miles	Hours	Cargo	Passenger	Remarks
Whitehorse	Whitehorse	150				
		150				

Each package with 1 lb in empty package out.

Special Instructions	at	Per Hour
	300	at 2.60 Per Mile

Waiting Time	at	Per Hour
Fuel	gals @	Per Gallon
Other		
TOTAL CHARGES		780 00

Pilot's Signature: *J. Bergren* Base: 3X 780.00
 Charterer's Authorization: *Gary Clark*

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 003755

DATE May 25, 1984

Getty Exploration
C/O Andronik Exp.

JUN 4 1 1984

JUN 4 1 1984

DESCRIPTION

AMOUNT

Re: Charter Otter

Pilot: Bergren

Flying: 300 miles @ \$3.26/mile
Item \$

978 00

Fuel: ~~Included above~~
Project

	Major	Sub	
			Total
5002	301	3	586.80
5003	301	1	391.20 391.20
Invoice Total			

\$978 00

Approved: *D.R. Hester*

A SERVICE CHARGE OF 2 F

GETTY MINES. LIMITED

Invoice approved for payment:

D.G. Silvers

Charge expense element:

11-1-3-811-301-10-5002=586.80

Charge Project: 301-10-5003=391.20

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002907

DATE May 11, 1984

Getty Mines Ltd.
C/O Andronik Exp.

DESCRIPTION				AMOUNT	
Re: Charter Caribou					
Pilot: Ambrose					
Flying:	300 miles @	\$ 5.75/mile		1725	00
Project	14 M. D. @	\$402.50/Leg		5635	00
Fuel:	304 gals @	\$2.63/gal		800	00
	Major	Sub			
5002	301	3	6120		
5003	301	3	2040		
			Total	\$8160	00
Invoice Total			8160		
Approved: <i>DR Hawke</i>					

A SERVICE CHARGE (

GETTY MINES, LIMITED

Invoice approved for payment:

d.g. Shesha

Charge expenses element:

11-1-3-811-301-10-5002-6120.00
301-10-5003-2040.00

Charge Project:

MAY 11 1984

CLEAR LAKE PROJECT

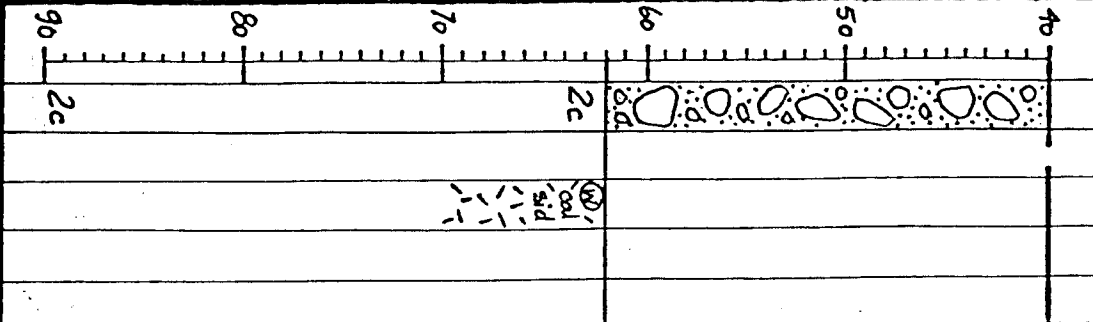
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG _____
OVERBUDEN cont'd

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Length	% Core Recov.	% R&D
From	To			
62	69	7	98	43
69	77	8	25	0
77	80	3	36	0
80	84	4	94	0
84	85.5	1.5	67	0
85.5	87	1.5	78	22
87	90	3	94	0

ASSAYS

FOOTAGE		Tag No.	% Zn	% Pb	% Ag	Average Grades
From	To					

62'-101' ARGILLITE (2c)

black argillite with medium grey, disturbed and disrupted sand bands, core is very broken and blocky with Fe-staining (hematite and jarosite/goethite?) in veins and fractures thin calcite-siderite veining to 69' (vein <0.5")

(2c) coal sid

CLEAR LAKE PROJECT

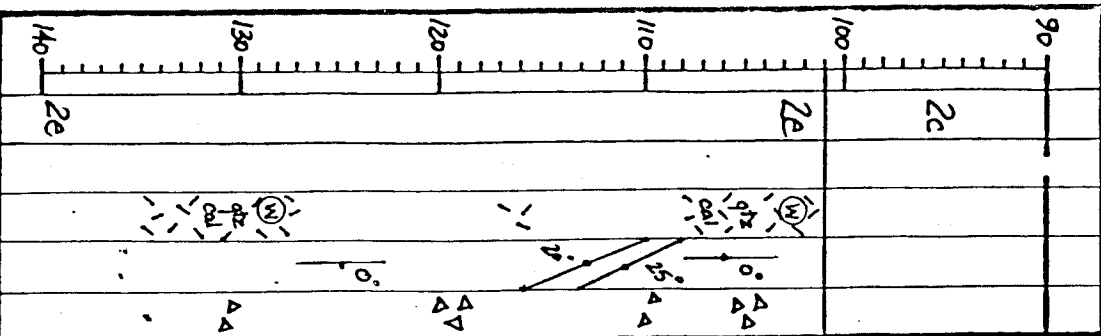
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG
ARGILLITE (2c) cont'd.

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Core Recov. %	RQD %
From	To		
90	93	67	0
93	95	100	0
95	100	72	0
100	105	100	15
105	114	93	19
114	120	97	47
120	130	100	58
130	140	90	56

ASSAYS

FOOTAGE			Tag No.	%	%	Oz/T	Average Grades
From	To	Length					

101'-169' ARGILLITE (2c)
 light grey, thin (<1") calcareous sand bands in grey black argillite, very weak quartz-calcite-siderite stockwork (some veins up to 1/2" thick), bedding mostly planar with some slight ripple laminations.
 104-105' } brecciation of beds
 118-120' }
 105', 108', 132' quartz-carbonate veins with breccia fragments of argillite
 132'-130' bedding parallel to core axis

CLEAR LAKE PROJECT

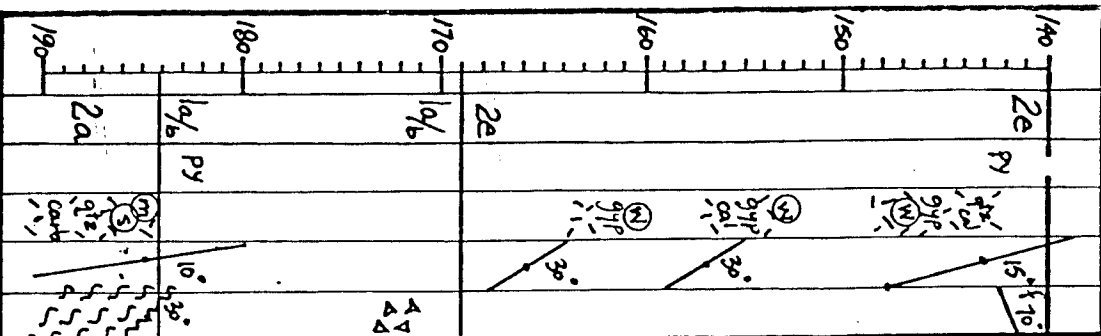
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG

ARGILLITE (Ze) cont'd

140'-151' fractures filled with crystalline gypsum and \pm calcite.
 142' 2" x 1" cluster of tiny (<.1" diam) pyrite botryoids
 155' - 1/2" wavy calcite-gypsum vein with many small (< 1/4") breccia fragments of argillite, vugs in vein are lined with calcite then filled with crystalline gypsum.
 161'-163' minor veining as at 155' (veins to 1" thick).

SANDSTONE (1a/b)

169'-184.3' massive to crudely laminated, med. grey, moderately calcareous sandstone.
 171'-173' brecciated
 182.9' deformed Py nodule (~1" diam.)

184.3' - 327' ARGILLITE (2a) - black,
 massive argillite with rare sand banded sections
 185'-205' fault core badly broken, some gouge.

GENERAL COMMENTS

CORE QUALITY

From	To	FOOTAGE RUNS		% Core Recov.	% Rqd
		Length			
140	150	10		100	53
150	153	3		86	28
153	163	10		98	56
163	167	4		50	13
167	169	2		67	17
169	177	8		100	41
177	187	10		99	58
187	188	1		100	0

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

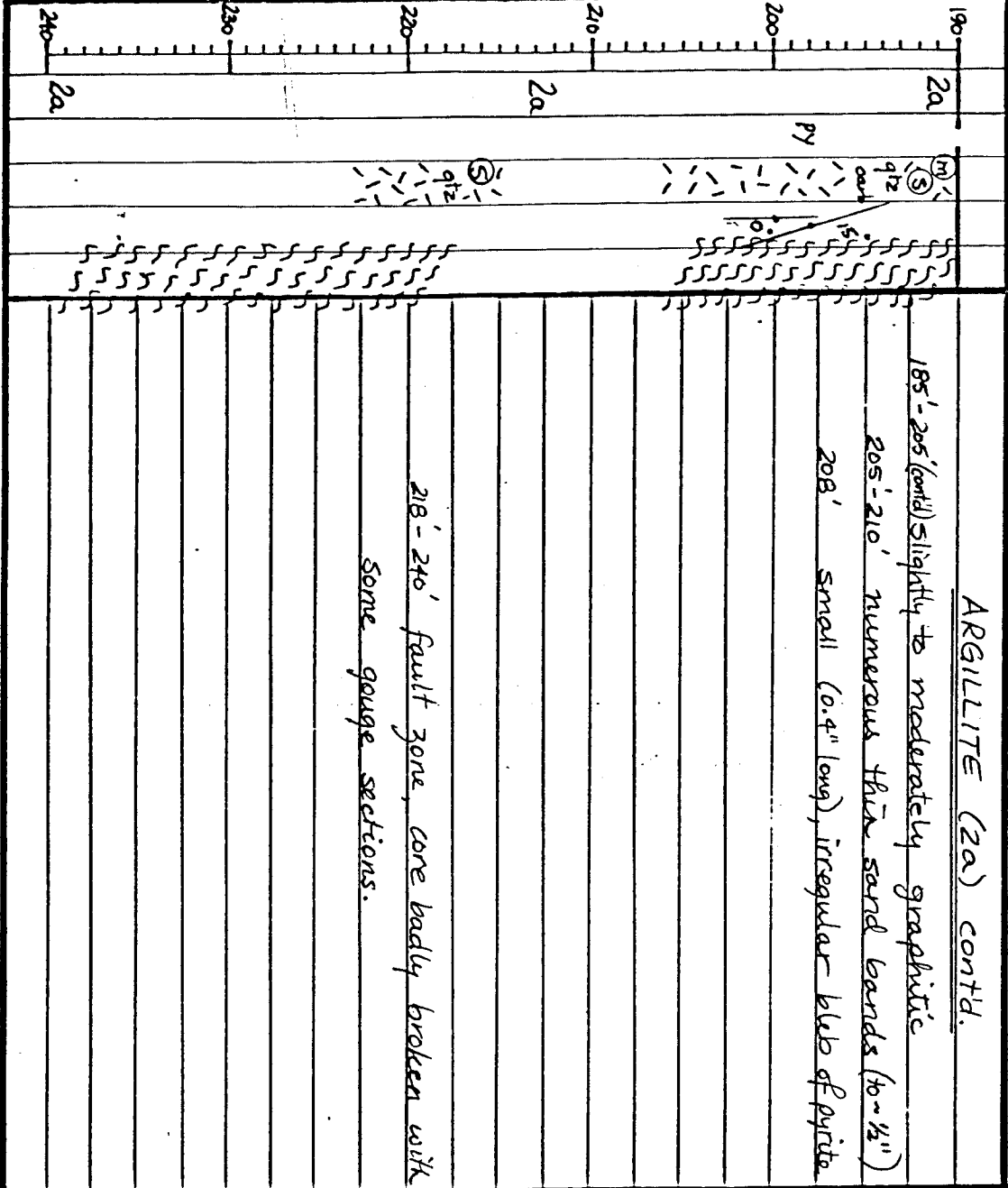
Hole Number 84-48

Logged By D. Hawke / T. Boeschneck

GRAPHIC LOG LOCATION SURVEY DATA

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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Method _____
 Points _____
 DESCRIPTIVE LOG



GENERAL COMMENTS

CORE QUALITY

ASSAYS

From	To	Length	FOOTAGE RUNS		Core Recov.	RQD	ASSAYS								
			From	To			Length	Tag No.	% Zn	% Pb	% Cu/T Ag	Average Grades			
188	193	5			93	0									
193	198	5			80	7									
198	201	3			78	0									
201	205	4			63	0									
205	214	9			84	38									
214	218	4			94	10									
218	223	5			80	8									
223	225	2			100	0									
225	235	10			100	4									
235	238	3			58	0									

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.

LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

ARGILLITE (2a) cont'd.

244.5' - 247' more thin (<0.5"), slightly calcareous sand bands (80° to 94°)

244' minor parallel laminated sand bands

279' - 280' }
284' - 286' } core badly broken, some gouge
287' - 290' }

287' 0.2" rounded PY nodules

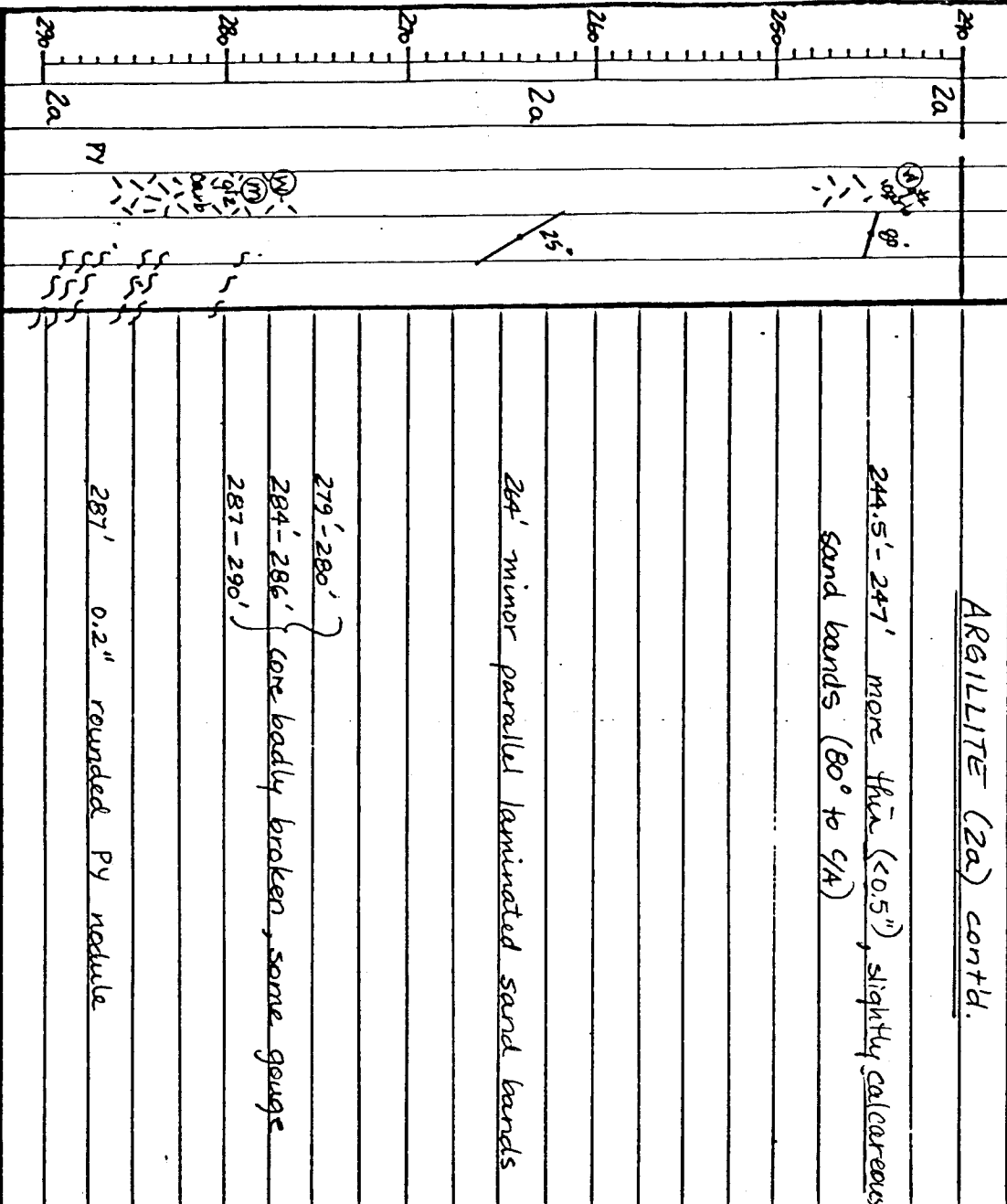
GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS	
			Core Recov.	%
238	247	9	95	8
247	254	7	80	7
254	260	6	100	0
260	263.5	3.5	71	0
263.5	268	4.5	94	22
268	270	2	79	0
270	276.5	6.5	87	0
276.5	280	3.5	76	0
280	284	4	100	0
284	288	4	83	0
288	290	2	33	0

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	oz/T Ag	Average Grades



CLEAR LAKE PROJECT

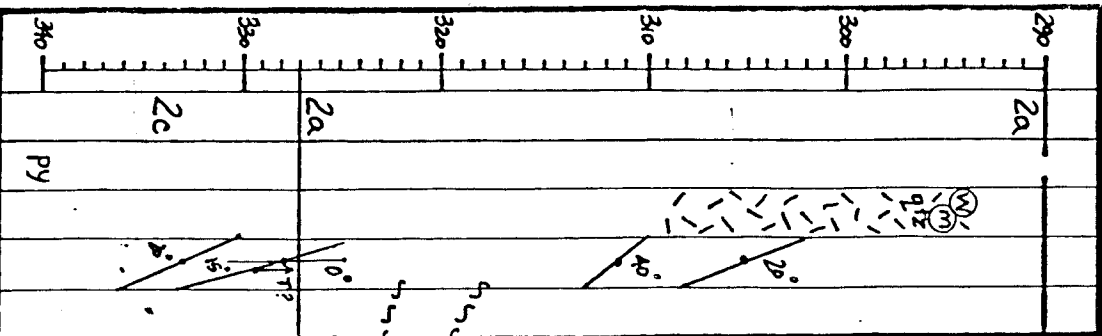
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Boeschneck

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG _____
ARGILLITE (2a) cont'd

GENERAL COMMENTS

CORE QUALITY				ASSAYS							
From	To	Length	% Core Recov.	% Rcd	FOOTAGE		Tag No.	% Zn	% Pb	% Ag	Average Grades
					From	To					
290	300	10	100	4							
300	309	9	92	17							
309	319	10	80	13							
319	325	6	100	17							
325	336	11	95	16							

305' few fine sand bands (up to 1" wide)
 310.5'-314' few fine sand bands (to 1" wide)
 318'-319' fault, core badly broken, gouge
 322.5'-323.5' same as 318'-319'
ARGILLITE (2c)
 327'-345' 1/2" to 6" parallel laminated, sand banded, argillite
 329' cross bedding indicates top of hole? (15° to 17°)
 340' two rounded oblong Py nodules (~1" diam.)

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.

LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

ARGILLITE (2a) contd.

345'-386' ARGILLITE (2a)

massive, black argillite

344'-356' core badly broken, some gouge

Moderate to strong quartz stockwork

386'-414.5' ARGILLITE (2b)

sand banded. (bands to ~3" thick)

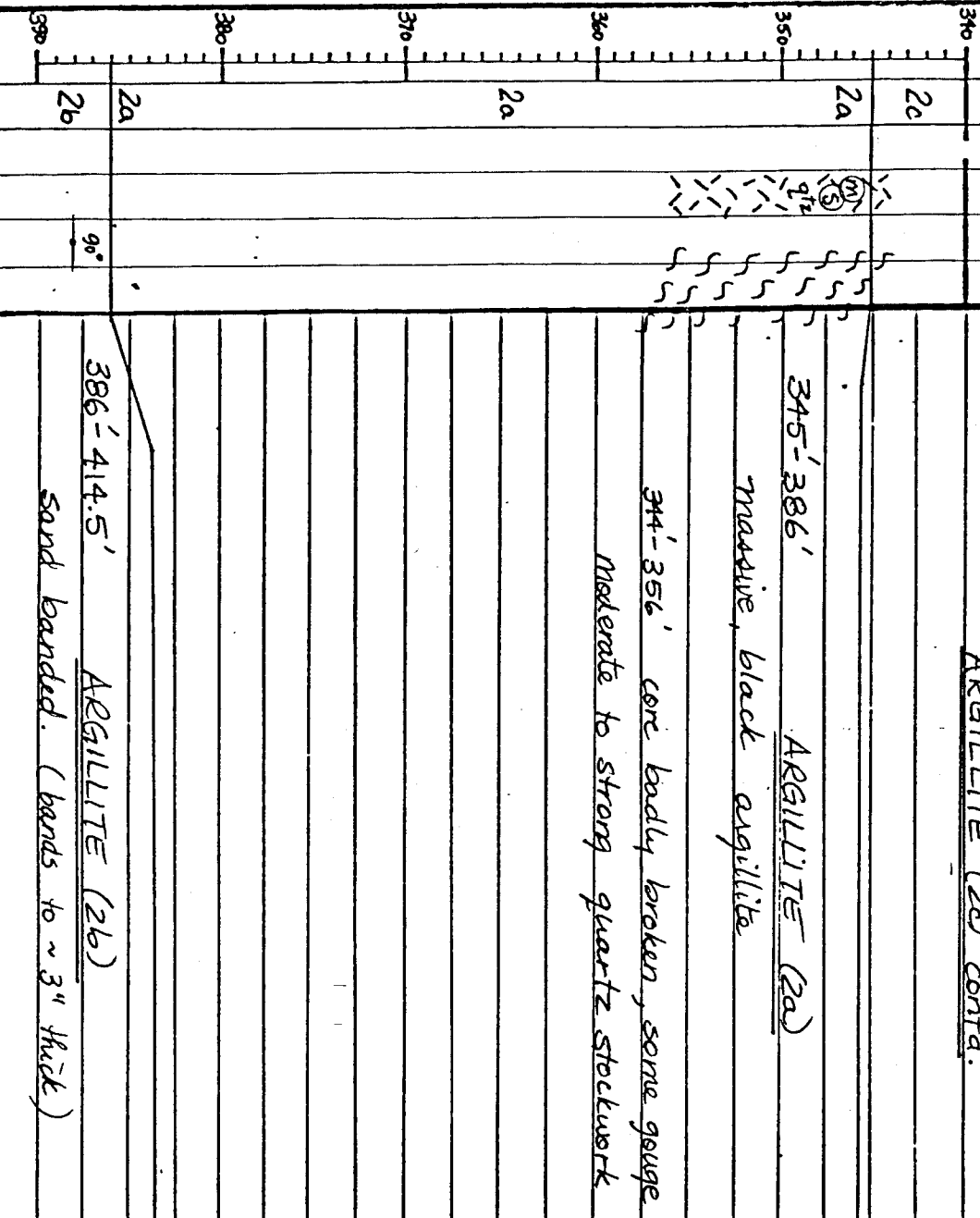
GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS	
			% Core Recov.	% Rad.
336	345	9	100	16
345	348	3	67	0
348	357	9	100	37
357	365	8	95	16
365	375	10	100	52
375	385	10	100	50

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	oz/T Ag	Average Grades



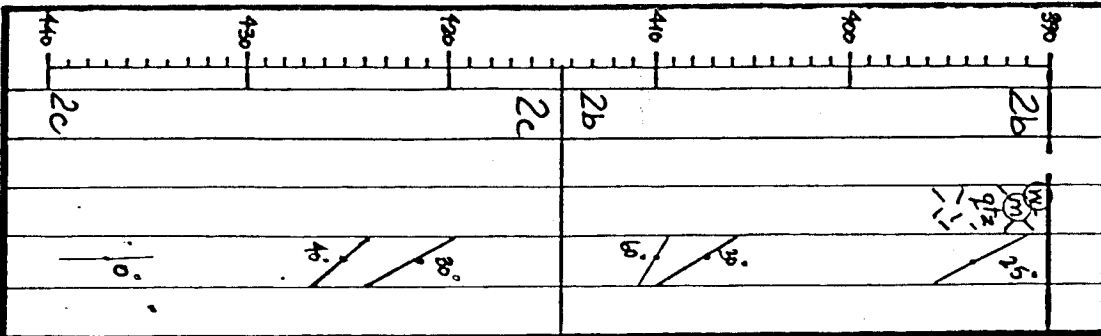
CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number B4-48 Logged By D. HAWKE / T. BOESCHNECK

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
-------	-----------	----------------	------------	---------------------	----------------



LOCATION SURVEY DATA

Method Sperry Sun Magnetic Single Shot
 Points depth 422' dip -61° azimuth 267°

DESCRIPTIVE LOG

ARGILLITE (2b) cont'd

414.5' - 512.5' ARGILLITE (2c)
 black argillite with many parallel
 laminated, medium grey, fine grained
 sand bands (up to 3" thick)
 414.5 - 417.5' medium grey massive
 to vaguely laminated, medium
 grained sandstone bed.

GENERAL COMMENTS

CORE QUALITY

From	To	Length	CORE QUALITY	
			% Core Recov.	% RQD.
385	395	10	100	18
395	401	6	74	19
401	404	3	92	0
404	409	5	77	8
409	413	4	100	31
413	420	7	96	22
420	429	9	100	14
429	431	2	92	0
431	437	6	81	8

ASSAYS

From	To	Length	Tag No.	ASSAYS				
				% Zn	% Pb	oz/T Ag	Average Grades	

CLEAR LAKE PROJECT

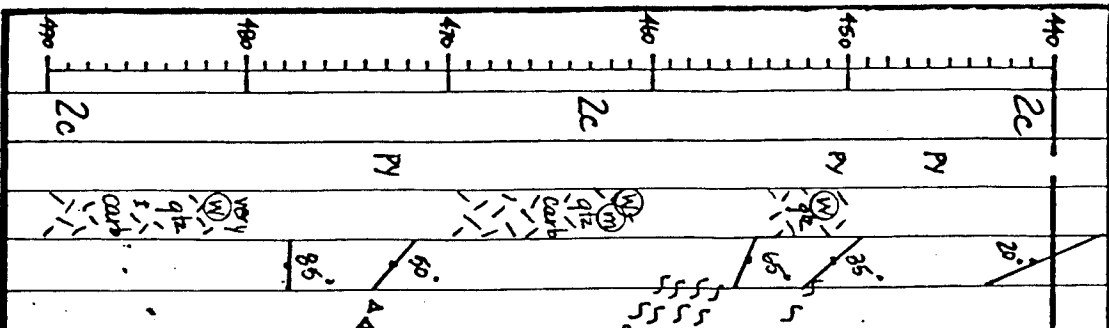
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

ARGILLITE (Zc) cont'd

445'-446' fractured, elongate P₁ nodules (~1" long)
fractures filled with quartz

450.5' 0.2" long, fractured P₁ nodule

452'-453.5' core is carbonaceous with
some gouge, weak quartz stockwork

456'-460' same as 452-453.5' but broken
up more.

472.5'-473.5' ~1" rounded, elongate, fractured
pyrite nodules; fractures filled with quartz

473.5' 2" thick quartz-carbonate vein
containing breccia fragments of surely
argillite.

488'-489' medium grey, laminated, fine
grained sandstone bed.

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Length	% Core Recov.	% Rad.
From	To			
437	447	10	98	37
447	453	6	93	30
453	459	6	96	8
459	463	4	85	0
463	473	10	100	13
473	478	5	92	18
478	488	10	100	36

ASSAYS

FOOTAGE			Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length					

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

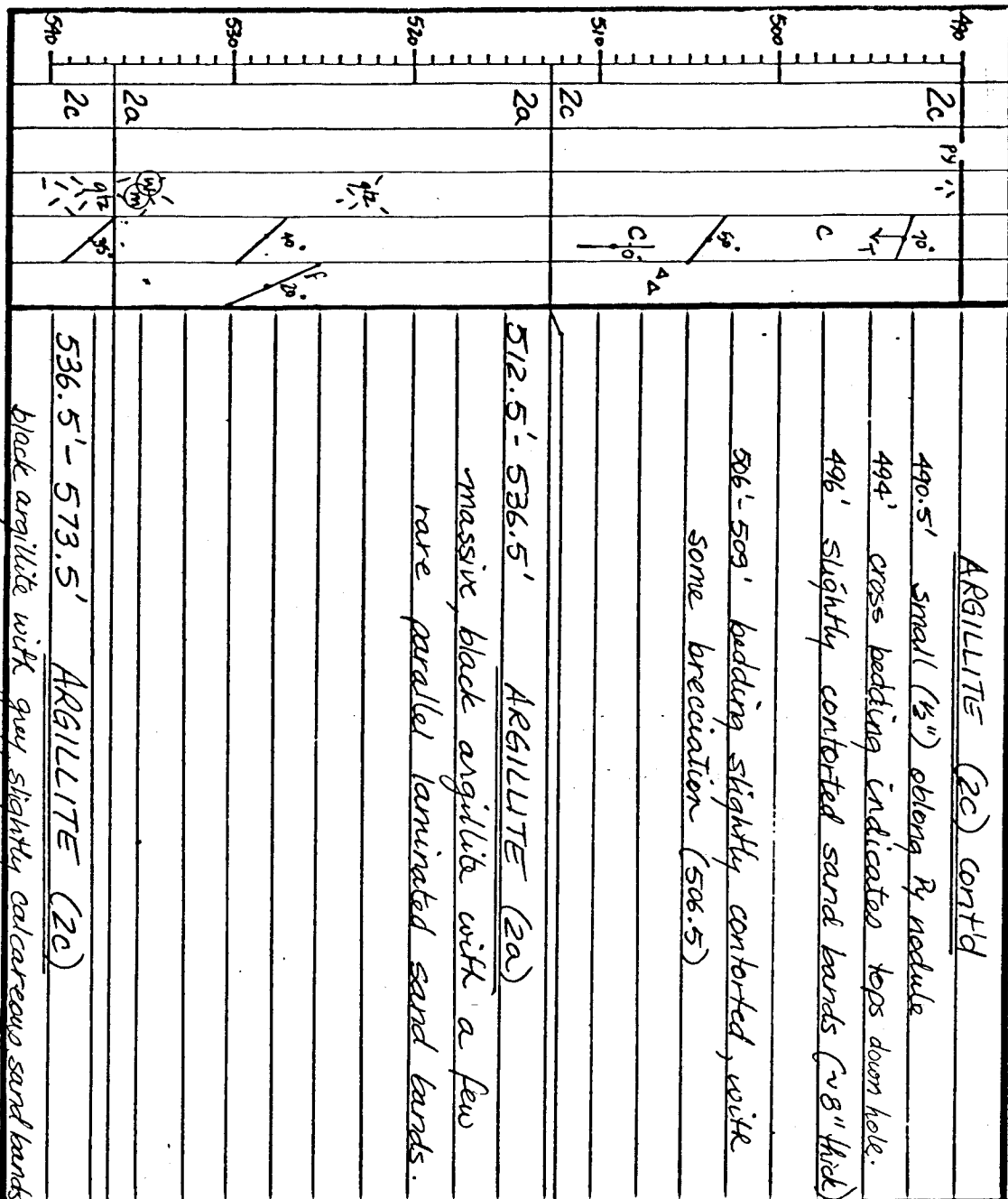
GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG



GENERAL COMMENTS

CORE QUALITY

From	To	Length	% Core Recov.	% RAD.
488	498	10	100	40
498	509	11	97	45
509	519	10	100	55
519	529.5	10.5	100	27
529.5	534	4.5	89	15

ASSAYS

FOOTAGE		Tag No.	% Zn	% Pb	% Ag	Average Grades
From	To					

ARGILLITE (Zc) cont'd

490.5' small (1/2") oblong Py nodule

494' cross bedding indicated tops down hole.

496' slightly contorted sand bands (~8" thick)

506'-509' bedding slightly contorted, with some brecciation (506.5')

ARGILLITE (2a)

512.5'-536.5' ARGILLITE (2a)
massive, black argillite with a few rare parallel laminated sand bands.

536.5'-573.5' ARGILLITE (2a)
black argillite with gray, slightly calcareous sand bands

CLEAR LAKE PROJECT

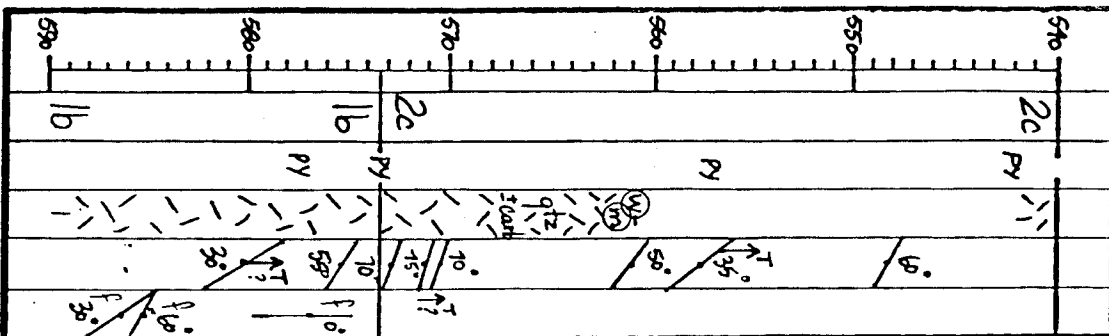
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG

ARGILLITE (2c) cont'd

572' 1.5" pyrite nodule

577' large (2.5") round massive Py nodule.

578.8' cross-bedding indicates tops up hole
 - slightly calcareous here as well

572' vague cross-bedding, tops up hole?

573.5' 1" thick fractured Py band.

573.5'-592.5' SANDSTONE (1b)

laminated, medium to dark grey, fine grained
 slightly calcareous sandstone; bedding
 broken and contorted

577' 1.5" py blub on edge of quartz vein

580' cross bedding indicates tops up hole?
 as at 578.5 and 572?

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Length	Core Recov. %	RQD. %
From	To			
534	544	10	100	43
544	548.5	4.5	94	0
548.5	559	10.5	98	15
559	567	8	95	14
567	577	10	100	22
577	587	10	98	23

ASSAYS

FOOTAGE		Tag. No.	% Zn	% Pb	Oz/T Ag	Average Grades
From	To					

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

SANDSTONE (16) cont'd.

592.5' - 613' ARGILLITE (2c)

Slightly calcareous argillite with medium grey, parallel to ripple laminated sand bands.

602.5' - 603.5' rounded Pyrite nodules (0.5"-1.0")

613' - 627.5' SANDSTONE (16)

medium grey, fine grained, laminated, slightly calcareous sandstone; bedding folded and contorted pyrite blebs and nodules throughout. (up to 1" across, <1%)

627.5' - 648' ARGILLITE (2c)

*parallel to wavy laminated sand-banded argillite
629' 1/4" thick diffuse band of disseminated Pyrite grains*

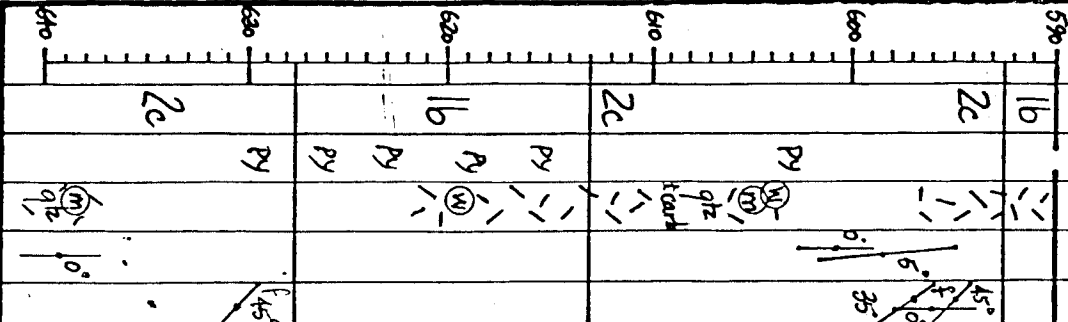
GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS		% Core Recov.	% R&D.
			From	To		
587	597	10	93	47		
597	607	10	100	61		
607	617	10	100	60		
617	627	10	99	68		
627	637	10	98	48		

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	% Ag	Average Grades



CLEAR LAKE PROJECT

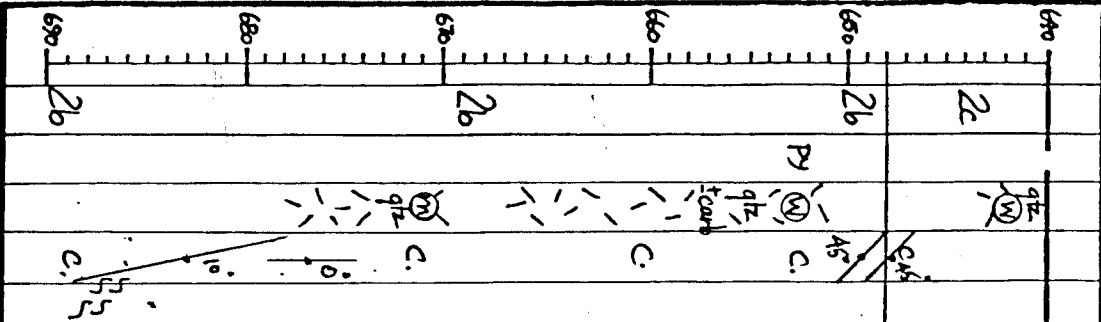
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Boeschneck

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG

ARGILLITE (2c) cont'd
 641' contorted sand bands
 648'-783' ARGILLITE (2b)
 black argillite with minor, slightly calcareous
 parallel to ripple laminated sand bands (to 3")
 Sand bands are contorted throughout
 652' disrupted band of disseminated
 pyrite (<.1" thick)
 686-688' core badly broken

GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS		Core Recov.	% RQD
			From	To		
637	647	10			100	53
647	657	10			98	60
657	667	10			95	82
667	677	10			97	90
677	686	9			97	35

ASSAYS

From	To	Length	Tag No.	ASSAYS				
				% Zn	% Pb	% Ag	% Cu/T	Average Grades

CLEAR LAKE PROJECT

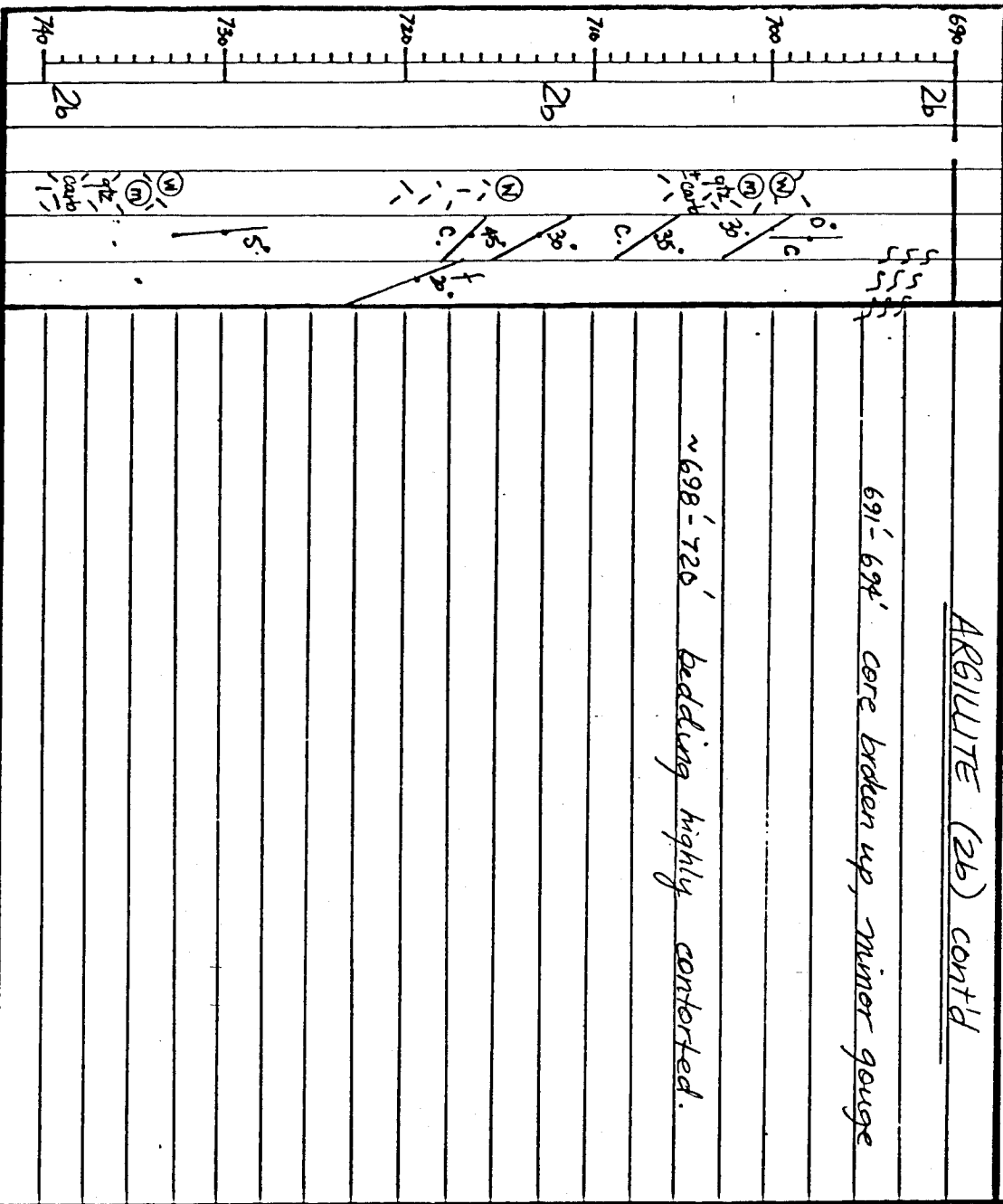
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG
ARGILLITE (26) cont'd

GENERAL COMMENTS

FOOTAGE RUNS

From	To	Length	% Core Recov.	% RQD
686	707	21	94	34
707	717	10	100	65
717	726	9	100	57
726	737	11	96	27

CORE QUALITY

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	% Ag	Average Grades

~698'-726' bedding highly contorted.

691'-694' core broken up, minor gouge

* NOTE: Run marker missing.

CLEAR LAKE PROJECT

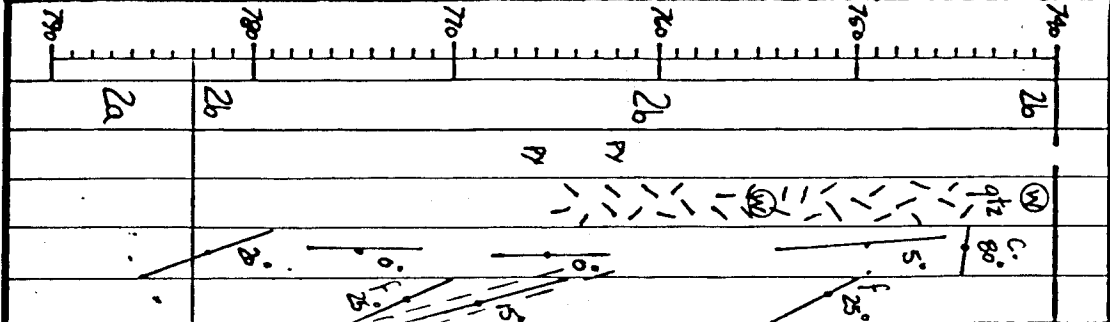
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Boeschneck

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

ARGILLITE (2b) contd.

747' very fine grained, 1/2" wide diffuse band of disseminated Pyrite crystals at 30° to 5/4.

762' 1" rounded Pyrite nodule

766' 2" rounded, oblong Pyrite nodule/blast - fractured with fractures filled with quartz.

768'-773' core somewhat broken up, no gouges
776'-779' same as 768'-773'

783'-811' ARGILLITE (2a)

black, massive argillite containing some rare thin, parallel laminated sand bands (<.5" wide)

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS	% Core Recov.	% RQD
From To Length		

737	745	8	98	58
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745	756	11	95	52
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756	766	10	100	59
-----	-----	----	-----	----

766	776.5	10.5	100	33
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776.5	787	10.5	100	26
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ASSAYS

FOOTAGE			ASSAYS				
From	To	Length	Tag No.	% Zn	% Pb	% Cu/T	Average Grades

CLEAR LAKE PROJECT

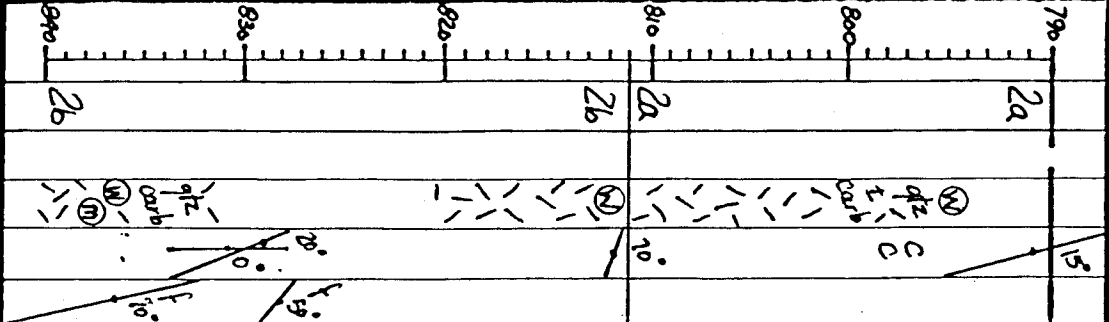
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG

791'-792' parallel laminated sand bands (<5')
ARGILLITE (2a) cont'd

795.5'-798.5' sand banding contorted and
disrupted.

811'-912.5' ARGILLITE (2b)
black argillite containing minor parallel to
vaguely ripple laminated, medium grey
sand bands (<6" wide)

GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS	
			Core	%
787	797	10	97	18
797	807	10	98	58
807	817	10	98	42
817	827	10	97	33
827	837	10	100	43

ASSAYS

From	To	Length	Tag No.	%	%	%	Average Grades
				Zn	Pb	Ag	

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.

LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

ARGILLITE (Z6) CONTD

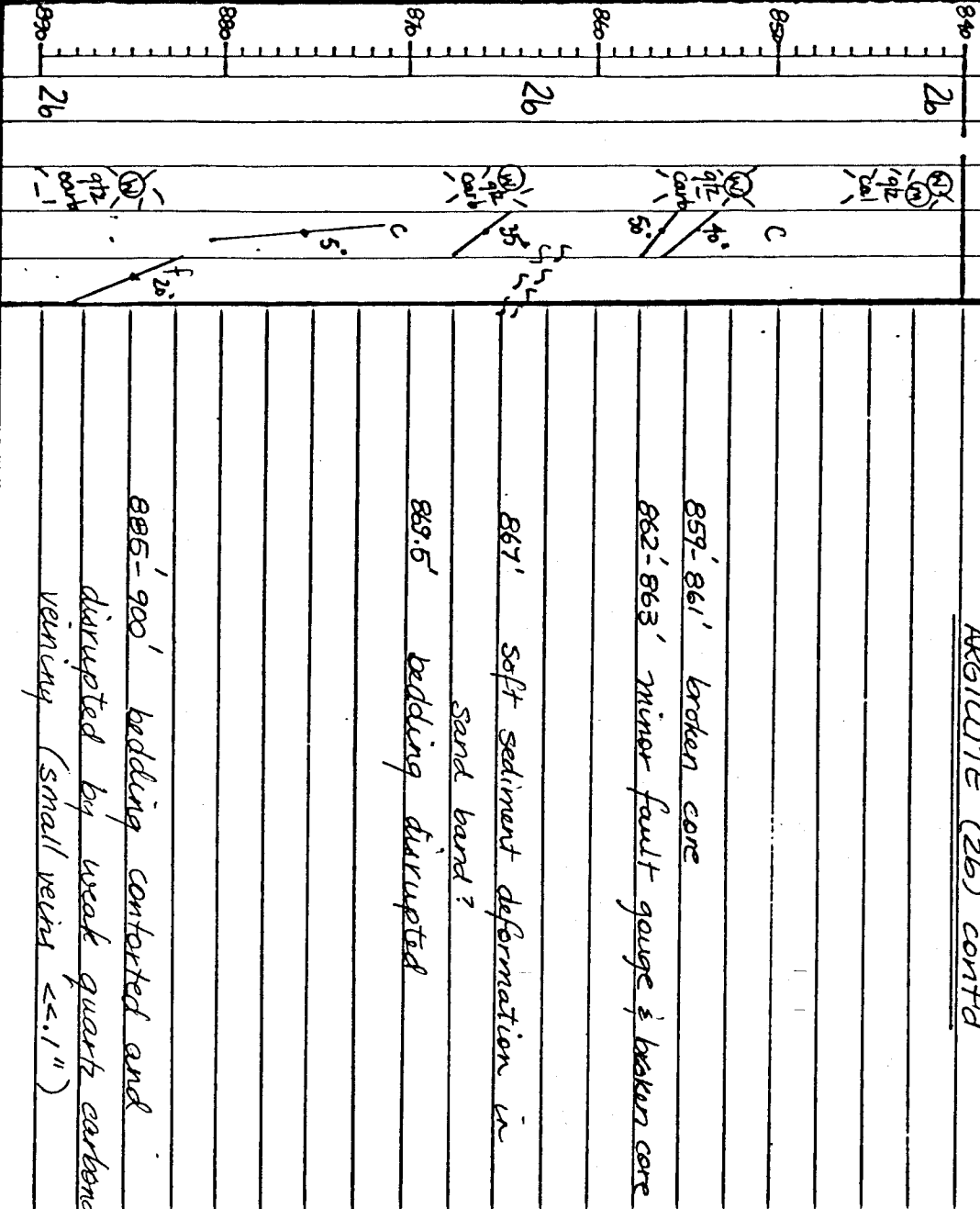
GENERAL COMMENTS

CORE QUALITY

From	To	Length	% Core Recov.	% RQD
837	847	10	94	35
847	857	10	100	18
857	865	8	93	25
865	875	10	100	73
875	885	10	100	37

ASSAYS

FOOTAGE		Tag No.	% Zn	% Pb	% Ag	Average Grades
From	To					



CLEAR LAKE PROJECT

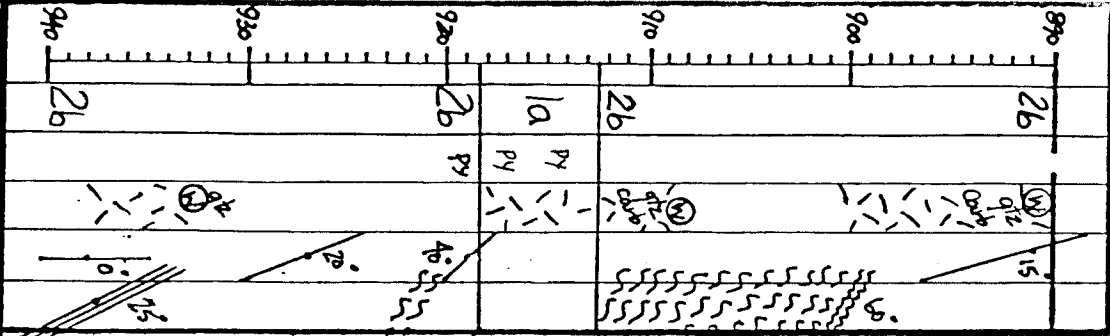
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method Speny Sun Magnetic Single Shot
 Points 911' depth dip -63° azimuth 267°

DESCRIPTIVE LOG

ARGILLITE (2b) cont'd.

900' - 912.5' FAULT ZONE, core is broken with much carbonaceous fault gouge

912.5' - 918.5' SANDSTONE (1a)

vuggy, massive, medium dark grey, medium grained sandstone with ~10% rounded pyrite nodules throughout (nodules to 1" diam)

918.5' - 1115' ARGILLITE (2b)

black argillite containing a few parallel laminated grey sand bands

918.5' contact between 1a and 2b is

919' disrupted and brecciated

small (1") rounded Py blobs

GENERAL COMMENTS

CORE QUALITY

From	To	Length	% Core Recov.	% RQD
885	896	11	97	46
896	903	7	100	21
903	912.5	9.5	98	0
912.5	917	4.5	100	69
917	927	10	98	28
927	933	6	86	14
933	942	9	91	26

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	oz/T Ag	Average Grades

CLEAR LAKE PROJECT

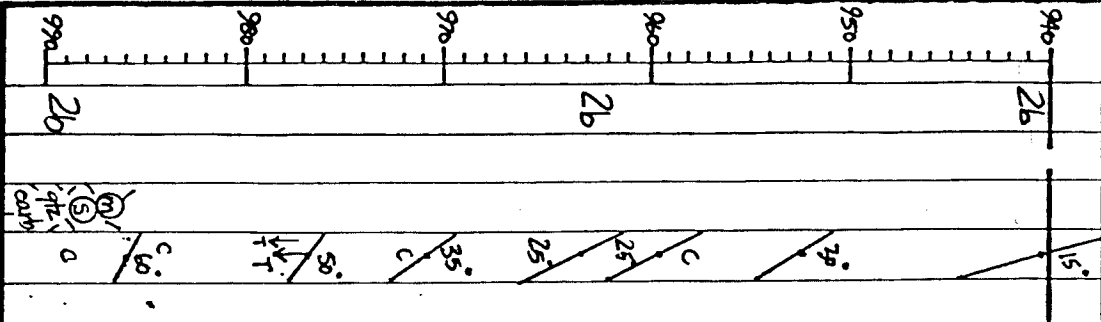
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG

ARGILLITE (2b) cont'd

921-922' gougey core, minor faulting

940-942.5' massive black argillite (2a)

958' bedding folded $\left(\begin{matrix} \curvearrowright \\ \curvearrowleft \end{matrix} \right)$ axial plane fracture

912-915' bedding contorted and disrupted

916.5' Beacon sequence indicated tops down hole

917' cross bedding indicated tops down hole

987-1009 bedding contorted and disrupted

GENERAL COMMENTS

CORE QUALITY

From	To	FOOTAGE RUNS		Core Recov. %	RQD. %
		Length	Recov.		
942	952	10	100	34	
952	957	5	100	38	
957	967	10	93	38	
967	977	10	100	55	
977	987	10	98	43	

ASSAYS

From	To	Length	Tag No.	%	%	Oz/T	Average Grades

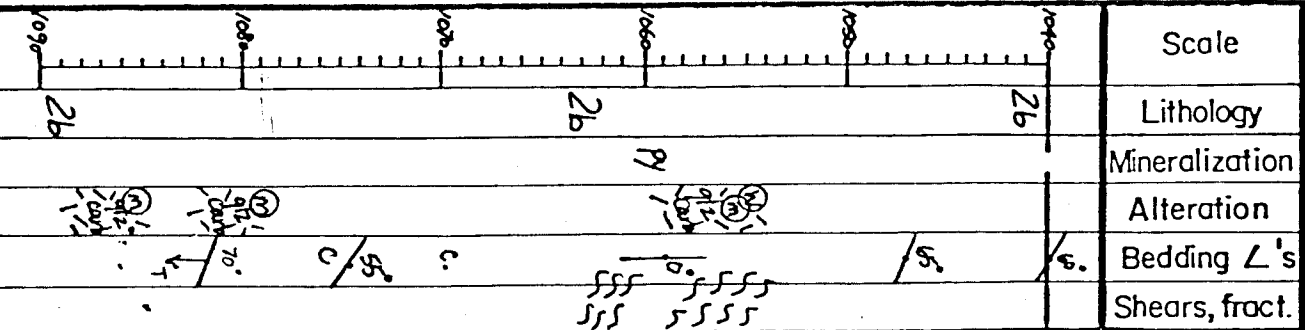
CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG



LOCATION SURVEY DATA

Method _____
 Points _____
 DESCRIPTIVE LOG
ARGILLITE (2b) cont'd

GENERAL COMMENTS

CORE QUALITY

ASSAYS

From	To	Length	CORE QUALITY		ASSAYS							
			% Core Recov.	% RQD.	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
1043	1054	11	95	45								
1054	1064.5	10.5	96	18								
1064.5	1075	10.5	100	44								
1075	1086	11	97	45								

1048'-1054' massive black argillite (2a),
 no sand banding

1054'-1058' core broken, some graphitic gouge

1058.5' two rounded, fractured Py nodules (~1" diam)

1060'-1064.5' core is broken, very graphitic and
 gougey.

1069'-1071' broken contorted sand banding

1072'-1073' massive sand band

1075.5' folded bedding

1082' cross bedding indicates tops down hole

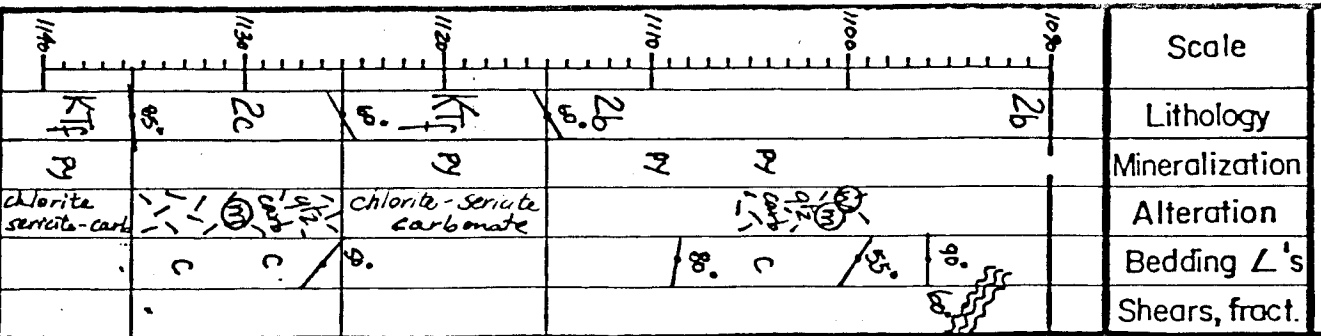
CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Borschneck

GRAPHIC LOG



LOCATION SURVEY DATA

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.

Method _____
 Points _____
 DESCRIPTIVE LOG

ARGILLITE (Zb) cont'd.

1095'-1094' core extremely ground up, graphitic fault gouge (~60° to 90°)

1104.5' quartz-carbonate filled fractures in round pyrite nodules (to 1" diameter), bedding slightly contorted
 1109'-1110' rounded fractured pyrite nodules as at 1104.5'

FELSITE (KTF)

1115'-1125' pale whitish-green, felsic, feldspar perphyry >50% feldspar phenocrysts (up to 0.2" maximum length) in aphanitic groundmass; weak to moderate pervasive chlorite-sericite-carbonate alteration. Color of unit gets darker (greys) towards lower contact where the phenocrysts are more noticeable. Trace disseminated, tiny pyrite cubes. Core is waxy along some fracture surfaces, others slickensided. Upper and lower contacts 60° to 90°, conformable with bedding.
 1125'-1135.6' ARGILLITE (Zc) black argillite containing slightly folded and contorted sand bands.

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Length	% Core Recov.	% RQD.
From	To			
1086	1096.5	10.5	99	16
1096.5	1107	10.5	100	26
1107	1117	10	99	36
1117	1127	10	100	67
1127	1137	10	99	46

ASSAYS

FOOTAGE		Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
From	To					

CLEAR LAKE PROJECT

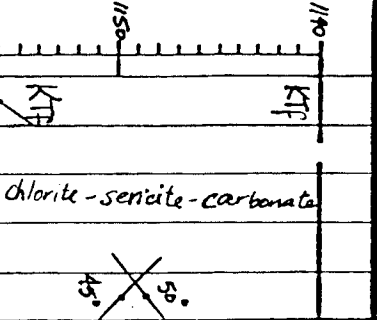
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

1135.6 - 1156' FELSITE (KTF)

feldspar porphyry as from 1155-1125'. Upper contact at 85° to C/A, lower contact at 35° to C/A. Some large inclusions of argillite (to 2' long) within feldspar porphyry. There are two sets of fractures dipping towards each other (at 45° to C/A and 50-60° to C/A), fractures have talcose slickensided surfaces.

1143.5 - 1144.5' gray argillite (Zb), contact with feldspar porphyry 70° to C/A
1149.5 - 1150' silicified argillite (Zc) inclusion
1153-1155 slightly silicified argillite (Zc) inclusion upper contact at 75° to C/A, lower contact is ragged, bedding contorted.

1156 - 1196' ARGILLITE (Zb)

black argillite with minor sand bands
1156-1157' silicified near contact with KTF
1157' thin (0.5") irregular Py blob
1161-1162' 1" rounded, fractured Py nodules
1186' 2" round Py nodule
1187-1196' strong pervasive silicification

GENERAL COMMENTS

CORE QUALITY

From	To	Length	FOOTAGE RUNS	
			Core Recov.	%
1137	1147	10	98	60
1147	1157	10	98	68
1157	1166	9	95	21
1166	1176	10	100	40
1176	1187	11	92	50

ASSAYS

From	To	Length	Tag No.	%	%	%	Average
				Zn	Pb	Ag	Grades

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. Hawke / T. Boerschneck

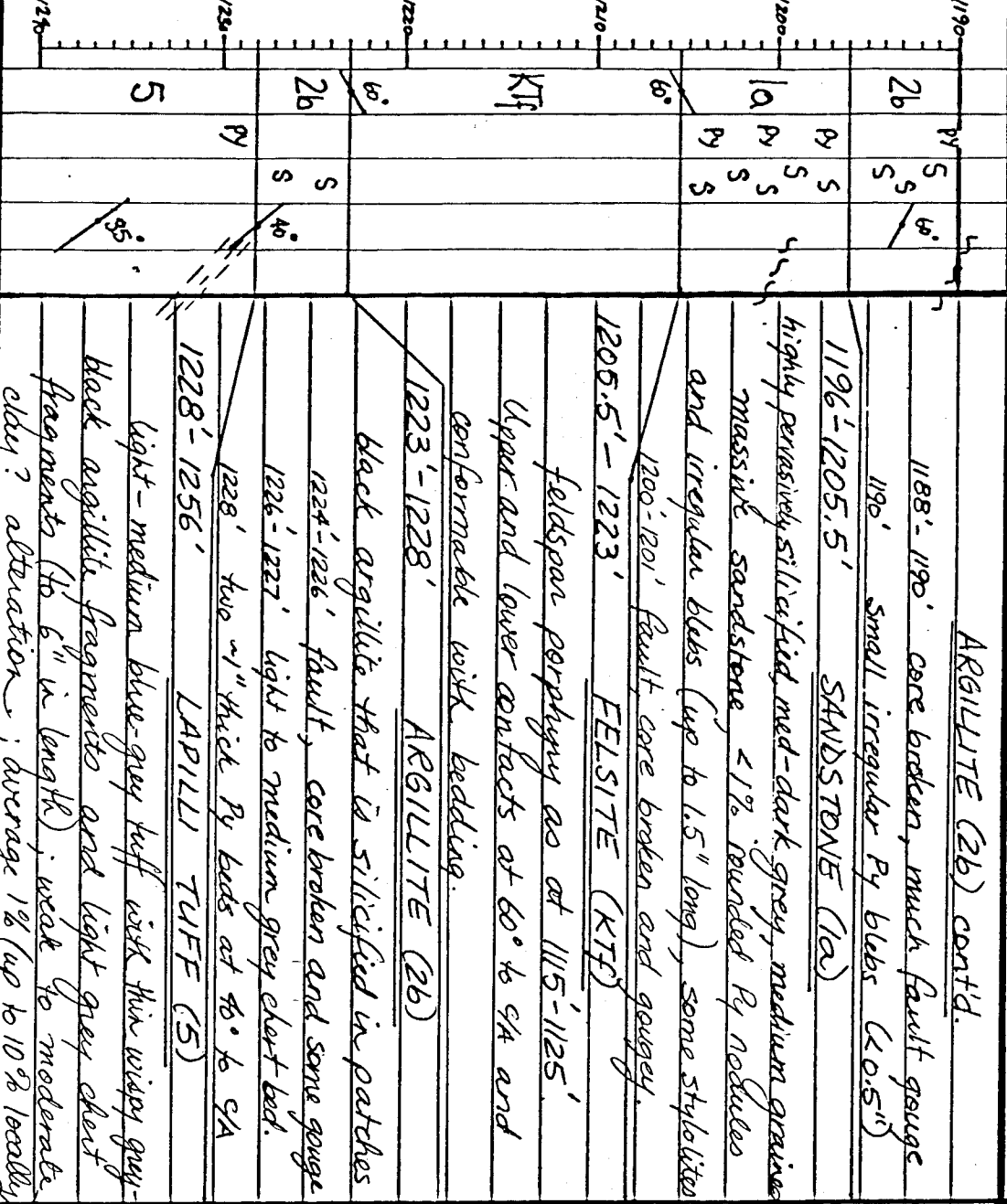
GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.

LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG



GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS		Length	% Core Recov.	% RQD
From	To			
1187	1192	5	100	33
1192	1201	9	88	42
1201	1211	10	100	57
1211	1221	10	99	66
1221	1231	10	100	33
1231	1242	11	97	14

ASSAYS

FOOTAGE			Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length					
1236	1240	4'	48366	.01	.02	.03	

CLEAR LAKE PROJECT

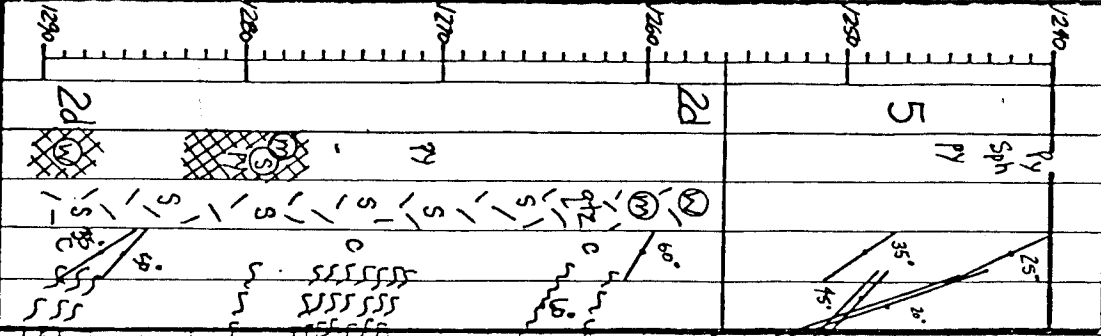
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.
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LOCATION SURVEY DATA

Method _____
Points _____

DESCRIPTIVE LOG

APILLI TUFF (5) cont'd.

Aprite as bands, nodules and irregular patches (up to 1" thick and 1.5" diam.) trace relict, fine grained sphalerite (up to 1% locally) in tiny veins and disseminated.

- Some sphalerite is yellowish colored.

1229-1231' broken core

1241-1245' 5-10% massive Py bands (to 1/4" thick) parallel to bedding; trace sphalerite

1242' 0.2" band of 1% disseminated pinkish sphalerite (25° to 45° conformable to bedding.

1249-1256' buff fragments are less waxy, smaller and better sorted.

1256-1323' ARGILLITE (2d)

black silicified and cherty argillite (cherty sections usually shorter than 6-8") with minor sand bands. Bedding is contorted through most of this section

1262' minor fault gouge

1265-1266' fault gouge 60° to 90°

1270' 6" grey clay bed.

GENERAL COMMENTS

CORE QUALITY

From	To	Length	% Core Recov.	% RQD
1242	12525	10.5	100	26
12525	1262	9.5	95	18
1262	1270	8	98	15
1280.5	1291	10.5	100	42

ASSAYS

From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
1240	1245	5'	48367	.65	.03	.01	
1245	1250	5'	48368	.30	.02	.01	

CLEAR LAKE PROJECT

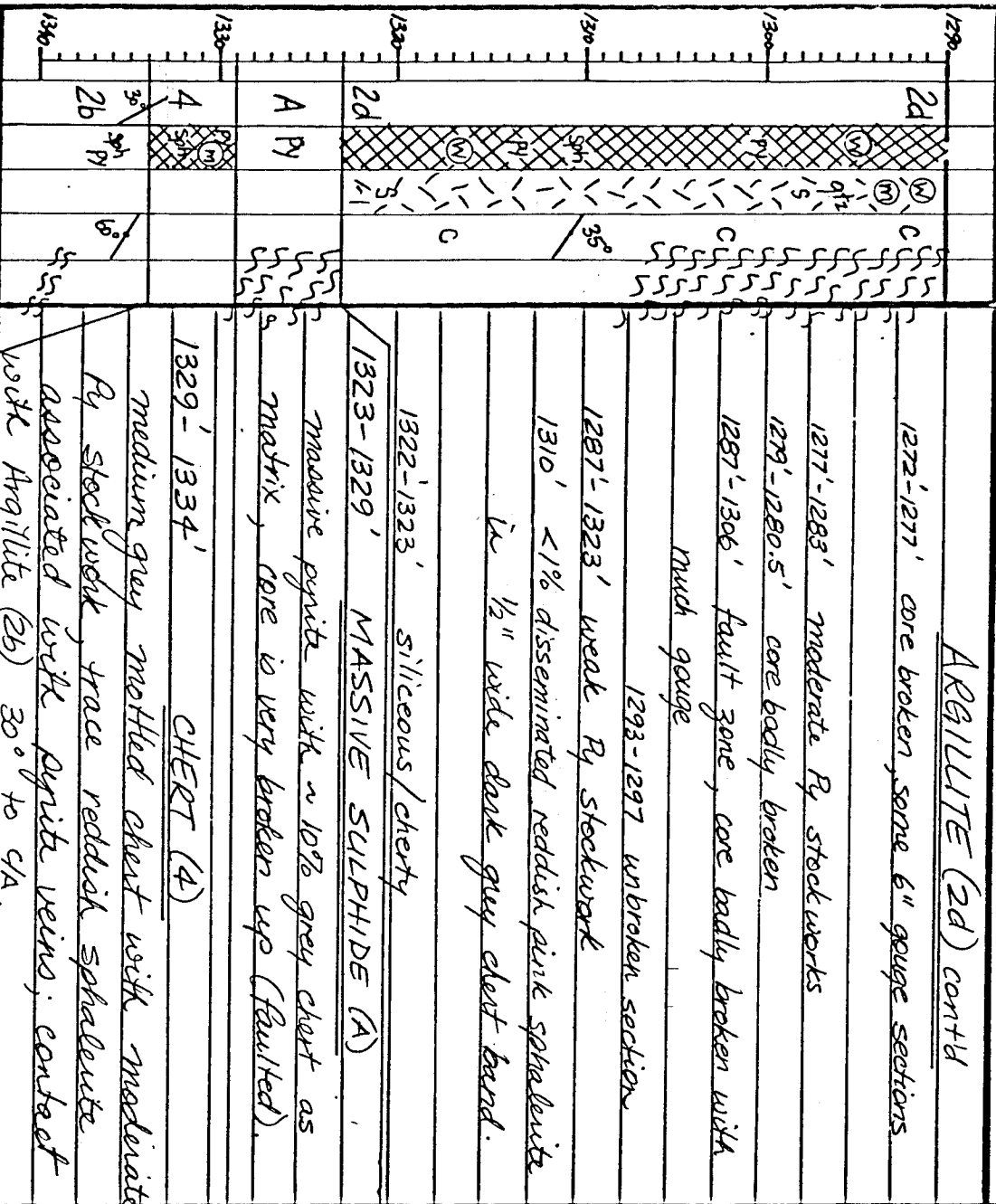
DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

Scale
Lithology
Mineralization
Alteration
Bedding \angle 's
Shears, fract.



GENERAL COMMENTS

CORE QUALITY				ASSAYS								
From	To	Length	% Core Recov.	% RQD	From	To	Length	Tag No.	% Zn	% Pb	% Ag	Average Grades
1291	1299	8	91	31								
1299	1303	4	100	0								
1303	1306	3	100	0								
1306	1313	7	100	55								
1313	1324	11	100	26								
1324	1329	5	68	0	1323	1329	6'	48369	.32	.10	.14	
1329	1339	10	100	41								

Method Sperry Sun Magnetic Single Shot
 Points depth dip azimuth
1305' -61.5° 270°

DESCRIPTIVE LOG

ARGILLITE (2d) cont'd

1272'-1277' core broken, some 6" gouge sections

1277'-1283' moderate Py stockworks

1279'-1280.5' core badly broken

1287'-1306' fault zone, core badly broken with much gouge

1293-1297 unbroken section

1287'-1323' weak Py stockwork

1310' <1% disseminated reddish pink sphalerite in 1/2" wide dark grey chert band.

1322-1323' siliceous/cherty

1323-1329' MASSIVE SULPHIDE (A)

massive pyrite with ~10% grey chert as matrix, core is very broken up (faulted).

1329'-1334' CHERT (4)

medium grey mottled chert with materials Py stockwork, trace reddish sphalerite associated with pyrite veins; contact with Argillite (2d) 30° to 4/4.

MACMILLAN JOINT VENTURE

CLEAR LAKE DESIGNATED AREA

1984 DIAMOND DRILL ASSESSMENT REPORT



Author: D.R. Hawke

Date: August, 1984

Commodities: Pb, Zn, Ag

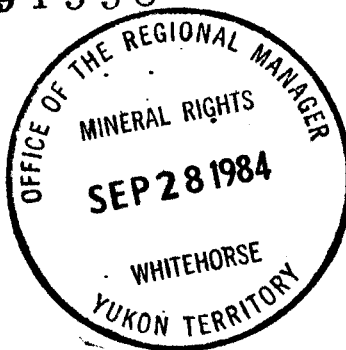
Location: Mining District - Whitehorse, Yukon Territory
Co-ordinates Latitude 62 49'N
Longitude 135 05'W
N.T.S. 105/L, Glenlyon

091558

WHITEHORSE

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

091558



R ACTION ARE:

- NEW APPL'N for PLACER LEASE to PROSPECT: Name:
- RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:
- AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name:
- SECURITY DEPOSIT
- FINANCIAL ABILITY
- ASSIGNMENT of PLACER LEASE No.
From: To:
- GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner:

Lease No.
Lease No.

- DIAMOND DRILL LOGS:
Claims: **"Sue" Group**
- QUARTZ ASSESSMENT REPORT:
Claims:

Claim sheet no: **105-L-14**
Claim sheet no:


Type of report:

Submitted by:
GETTY MINES LIMITED

Cls. work performed on

§ Req. for ren. application

Sue 2010
1 Hole 1500'



Signature

Y ACTION.

Date Ret.

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DIAMOND DRILLING STATISTICS	1
CORE HANDLING AND LOGGING PROCEDURES	4
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ILLUSTRATIONS

<u>FIGURE</u>	<u>MAP</u>	<u>SCALE</u>	<u>PAGE</u>
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Figure 2	Plan Map (DDH Location)	1" to ½ mile	5
Figure 3	DDH Section - 84-48	1:600	back pocket

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APPENDICES

Appendix I	Statement of Qualifications
Appendix II	Statement of Expenditures
Appendix III	Diamond Drill Log, Hole 84-48

INTRODUCTION

The 1984 diamond drill program (operated by Getty Canadian Metals, Limited) consisted of one hole (84-48), 1,500 feet in length.

The Clear Lake Designated Area is held under joint venture agreement - the MacMillan Joint Venture - between Getty Canadian Metals, Limited (76%) and Essex Minerals Company, Ltd. (24%).

The Clear Lake deposit is located 150 miles north of Whitehorse at approximately 62° 49'N latitude and 135° 05'W longitude (see Figure 1). Access is by fixed wing aircraft to an airstrip on the property or, alternately, by helicopter from Pelly Crossing located 45 miles to the west.

SUMMARY AND CONCLUSIONS

Hole 84-48 was designed to test the down dip continuity of the high grade mineralization intersected in hole 83-47. If successful, this test would significantly enhance the down dip potential of the central portion of the main sulphide zone.

Hole 84-48 was drilled to a depth of 1,500 feet without intersecting significant sulphides. The present interpretation of the data suggests that the sulphides are faulted off at depth, in view of this, no additional drilling is recommended for the Clear Lake deposit.

DIAMOND DRILLING STATISTICS

The diamond drilling was carried out by E. Caron Diamond Drilling Ltd. of Whitehorse, Yukon Territory, during the period May 30 to June 9, 1984. One NQ hole (84-48) was completed to a final depth of 1,500 feet during this period. Parameters for this hole are listed in table I. A skid-mounted Long-year 38 drill, which wintered at the property during 1983 was utilized for the drill program. Drill moves were made using Getty's Caterpillar D-3 which winched the drill from site to site. The average penetration rate when drilling was 75 feet per shift which is substantially higher than in previous years. This increase is attributed to the relatively good weather conditions plus the lack of problems encountered while drilling. The collar of the hole was surveyed in by chain and tripod-supported Brunton compass from established Survey points.

The average core recovery for hole 84-48 is 96% and the average RQD (rock quality designation) is 31%.

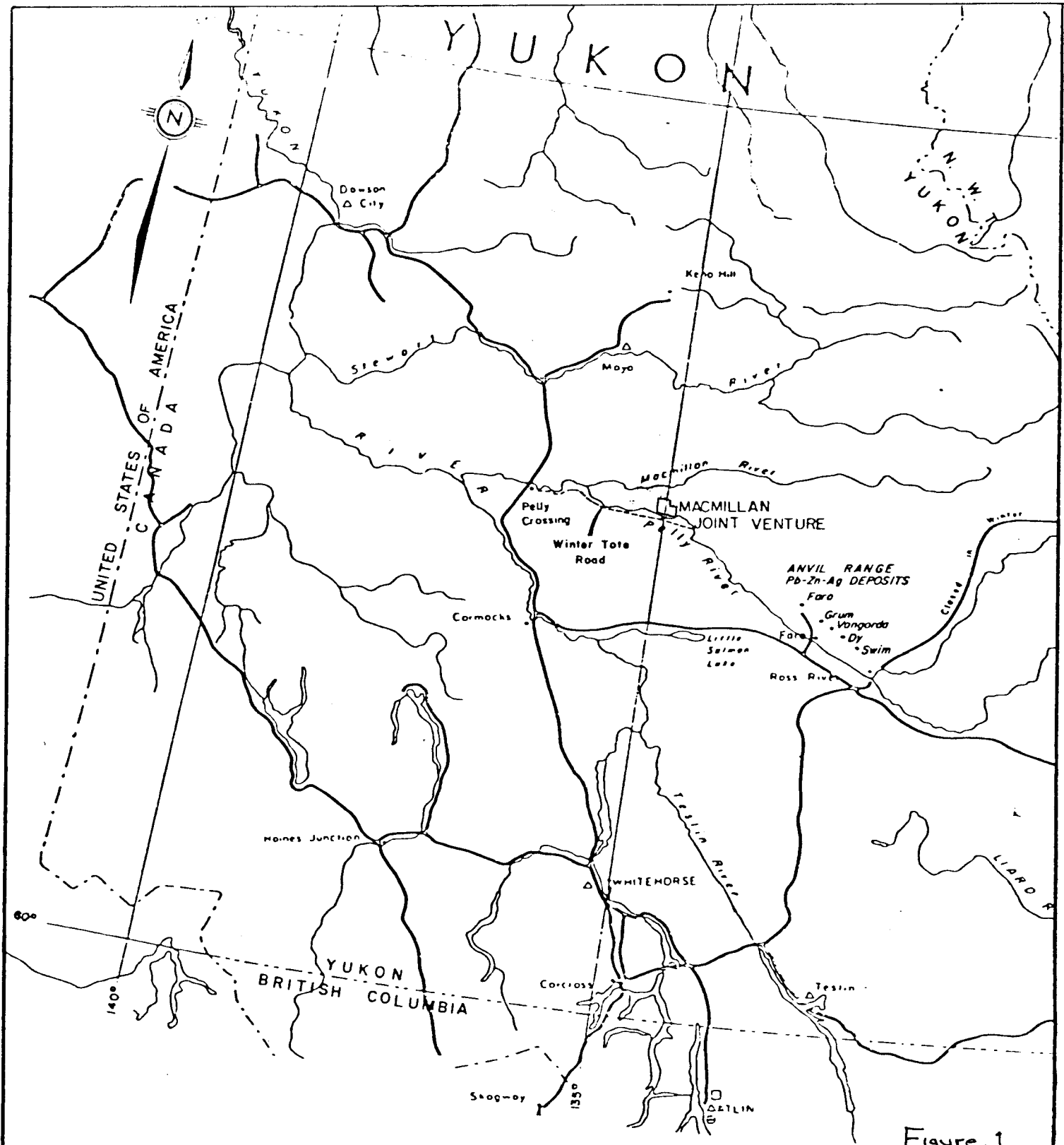
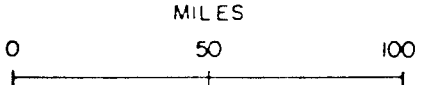


Figure 1

MACMILLAN JOINT VENTURE

LOCATION MAP



DRAWN BY L. CONNOR	DATE DEC., 1981
CHECKED BY C. PAYNE	DRAWING NO. 1
NTS	SCALE 1" = 50 miles

Getty Canadian Metals, Ltd.

TABLE I

1984 DRILL HOLE DATA

HOLE NO.	UTM CO-ORDINATES		COLLAR AZIMUTH	COLLAR DIP	LENGTH	COLLAR ELEVATION	CORE SIZE	START DATE	COMPLETE DATE
	NORTH	EAST							
84-48	6 961 290	492 176	267°	-60°	1,500'	2,297.0'	NQ	May 30/84	June 9/84

CORE HANDLING AND RECORDING PROCEDURES

Core was scrubbed to remove mud and rod-grease prior to logging and the measurement of core recovery plus RQD (Rock Quality Designation).

R.Q.D. is a measure of the structural competency of a rock and it is defined as: summed core lengths, greater than 10 cm each divided by the total length drilled.

All the diamond drill core was systematically logged under natural light. Mineralized sections were split and sample intervals were tailored to the distribution and grade of the mineralization encountered.

One half of the interval was sent for assay and the remaining half is stored on the property. The split intercepts destined for assay were placed in plastic sample bags, tagged and sent to Acme Analytical Laboratories in Vancouver for zinc, lead and silver assaying. All pulps are stored at Acme's facility in Vancouver.

During 1983 the Clear Lake lithological divisions were re-defined (ie. simplified) to aid in geologic interpretation. The core logging sheet was modified somewhat and is specifically set up for the Clear lake drilling program providing written documentation as well as graphic representation of data. Table II shows the geologic legend, symbols and list of abbreviations which were used in the 1984 logging.

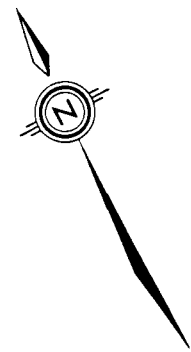
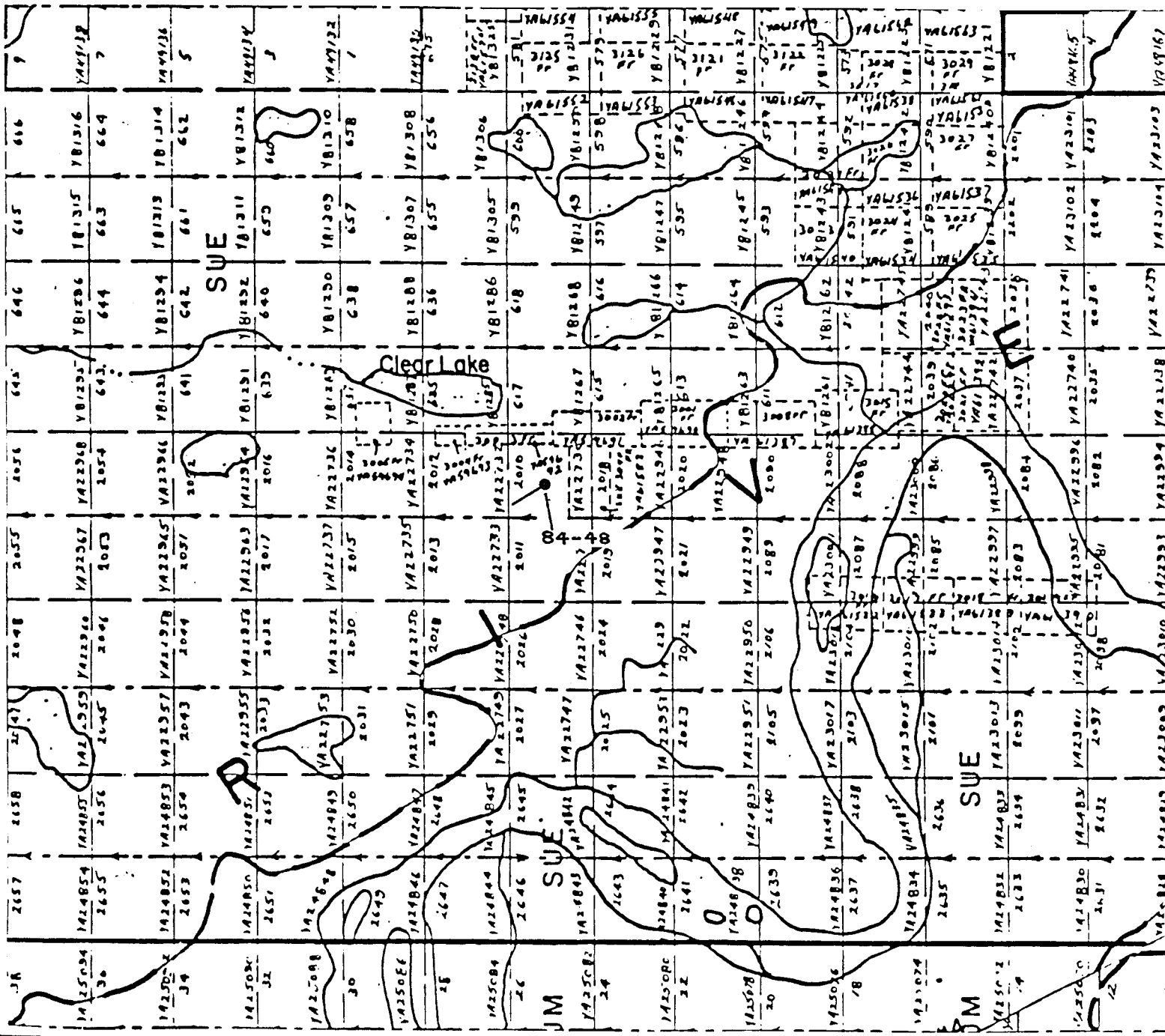
GEOLOGIC LOGS, MAPS AND SECTIONS

A detailed log for hole 84-48 is presented in Appendix III

Figure 2 is a plan view map (1" to ½ mile) showing the position of Hole 84-48 with respect to the claim locations.

A drill section (viewed perpendicular to the drill hole axis) at a scale of 1:600 is shown in Figure 3.

Lithology, structure and assay data are illustrated next to the trace (vertical) of the hole.



84-48 Drill Hole

MACMILLAN JOINT VENTURE

LOCATION MAP
D.D.H. 84-48

DRAWN BY: L.C.	DATE:
CHECK'D BY:	DRAW'G NO:
NTS 105L	SCALE: 1" = 1/2 MI


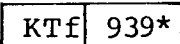
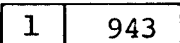
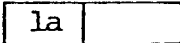
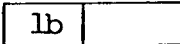
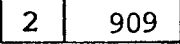


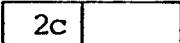



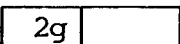
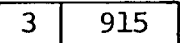
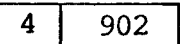
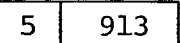
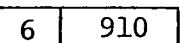
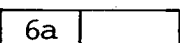
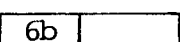
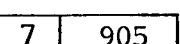
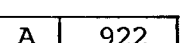
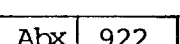
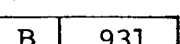
Getty Canadian Metals, Ltd.

TABLE II

GEOLOGIC LEGEND

SYMBOLS AND ABBREVIATIONS

LEGEND

		OVERBURDEN	
		FELSITE	
		SANDSTONE	
			massive
			laminated
		ARGILLITE	
			massive, carbonaceous
			with minor sandstone/siltstone bands
			with many sandstone/siltstone bands
			cherty argillite
			calcareous argillite with thin limestone interbeds
			argillaceous limestone, grey limestone, minor calcareous argillite
			argillite with thin light brown dolomitic bands
		BRECCIA/CONGLOMERATE	
		CHERT	
		LAPILLI TUFF	
		TUFF	
			massive, siliceous (cherty) tuff
			laminated, grey green siliceous (cherty) tuff
		MAFIC VOLCANIC FLOWS	
		MASSIVE SULPHIDE	
		MASSIVE SULPHIDE BRECCIA	
		BARITE	

SYMBOLS/.....

*Prismacolor pencil crayon numbers

SYMBOLS AND ABBREVIATIONS



Pyrite stockworks
 weak veining
 moderate veining
 strong veining



Quartz/Carbonate/Siderite stockworks
 weak veining
 moderate veining
 strong veining



Silicification



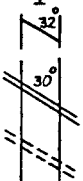
Fossils



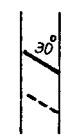
Breccia (Fault)



Bedding, Top observation

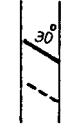


Bedding, angle to core axis



Shear - dip known with respect to core axis

- dip unknown with respect to core axis



Fracture - dip known with respect to core axis

- dip unknown with respect to core axis



Fault - dip known with respect to core axis

dip unknown with respect to core axis

qtz

quartz

sid

siderite

carb

carbonate

cal

calcite

ank

ankerite

gal

galena

py

pyrite

cpy

chalcopyrite

sph

sphalerite

C.A.

core axis

C

bedding contorted

APPENDIX I

STATEMENT OF QUALIFICATIONS

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, D.R. Hawke, hereby certify that:

- (1) I am a geologist residing at #107-150 East 5th Street, North Vancouver, B.C.
- (2) I received an honours B.Sc. degree, plus an M.Sc. degree in Geology from Laurentian University in Sudbury, Ontario and I have been practising my profession since 1973.
- (3) I am the author of this report and supervised the program described herein.
- (4) I am employed as a geologist with Getty Mines, Limited.

APPENDIX II

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

MACMILLAN JOINT VENTURE

DIAMOND DRILLING (as per attached invoices)	\$80,670.76
AIRCRAFT CHARTER (as per attached invoices)	\$18,539.32
	<hr/>
TOTAL	\$99,210.08
	<hr/>

D.R. Hawke

D.R. Hawke

GETTY CANADIAN METALS, LIMITED



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-B-337

GETTY MINES, LIMITED

Invoice approved for payment:

D. G. Glesides

May 31, 1984

Invoice #-1484

Charge expense element: _____

W-1-3-811-322-10-5002.

IN ACCOUNT WITH:

Getty Canadian Metals Ltd., Project: _____
#509 - 700 W. Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges May 25 to 31, 1984: (Clear Lake)

Hole 84-48/60/NQ

Moving onto First Site

112 man hrs. @ \$29.00 per hr. = \$3,248.00

Reaming Cave in Bedrock

12 man hrs. @ \$29.00 per hr. = \$ 349.00

6 machine hrs. @ \$18.50 per hr. = \$ 111.00 \$ 459.00

Waterline Installation

14 man hrs. @ \$29.00 per hr. = \$ 406.00

Travelling Time

16 man hrs. @ \$29.00 per hr. = \$ 464.00

Casing

0 - 20 = 20 ft. @ \$28.00 per ft. = \$ 560.00

Coring

20 - 235 = 215 ft. @ \$23.75 per ft. = \$5,106.25 \$10,243.25

Camp Watersupply

800 ft. plastic pipe @ 35c per ft. = \$ 280.00

Northern Metallic

Invoice # 55378 = \$ 13.82

Finning Tractor

Invoice # 110073 = \$ 22.82

Stabilized Corebarrels *lost in hole 20ft.*

J.K. Smit Invoice # 440873 = \$3,222.30 \$3,538.94

+ 15%

\$ 530.84 \$ 4,069.78

Total Invoice \$14,313.03

Project	Rate		\$
	Major	Sub	
<u>W-1-3-811-322-10-5002.</u>			
Invoice Total			
Approved: <i>D.R. Hancock</i>			





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

June 11, 1984

Invoice #-1489 CARON LTD. LIMITED

Approved for Payment:

d. a. Stewart

Charge expense element: _____

W-1-3-811-322-10-5002

Charge Project: _____

IN ACCOUNT WITH:

Getty Canadian Metals Ltd.,
#509 - 700 W. Pender Street,
Vancouver, B. C.
V6C 1G8

Drilling Charges June 1 to 11, 1984

(Clear Lake) _____

Hole: 84-48/60/NQ

Moving

116 man hrs. @ \$29.00 per hr. = \$ 3,364.00

Conditioning Hole

2 man hrs. @ \$29.00 per hr. = \$ 58.00

1 machine hr. @ \$18.50 per hr. = \$ 18.50 \$ 76.50

Testing

4 Tests @ \$71.25 per test = \$ 285.00

Travelling Time

8 man hrs. @ \$29.00 per hr. = \$ 232.00

Coring

235 - 1500 = 1265 ft. @ \$23.75 per ft. = \$30,043.75 \$34,001.25

Casing Left in Hole:

6 pieces @ \$150.00 per piece = \$ 900.00

1 NW shoe @ \$400.00 each = \$ 400.00 \$ 1,300.00

+ 15% = \$ 195.00 \$ 1,495.00

Meals Charged to Getty

May 28 to June 10/84

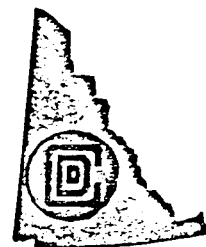
158 meals @ \$10.00 each = \$ 1,580.00

Total Invoice \$37,076.25

(11482-387)

322-10-5002

D.R. Hawke





July 15, 1984

Invoice #-1526

IN ACCOUNT WITH:

Getty Mines Ltd.,
Suite 509 - 700 West Pender Street,
Vancouver, B. C.
V6C 1G8

Demobilization Charges July 11 to 15, 1984: (Clear Lake)

<u>Demobilization</u>			
179.5 man hrs.	@ \$29.00 per hr.	=	\$5,205.50
<u>Travelling Time</u>			
9 man hrs.	@ \$29.00 per hr.	=	\$ 261.00
<u>Truck Hours</u>			
18 machine hrs.	@ \$50.00 per hr.	= \$	900.00
5 machine hrs.	@ \$50.00 per hr.	= \$	250.00
			\$1,150.00
<u>Trips</u>			
2 trips	@ \$650.00 per trip	=	\$1,300.00
<u>Cook June 11 to July 14</u>			
33 days	@ \$108.33 per day	=	\$3,574.89
<u>Truck Rental</u>			
3 months			
June/July/ August	@ \$1,200.00 per mo	=	\$3,600.00
<u>Total Groceries</u>			
Brought		=	\$3,989.48
\$1.00 per foot groceries			
for own people (credit)		=	<u>\$1,500.00</u>
			\$2,489.48
Additional \$5.00 per foot for footage			
drilled to compensate for Drill Standby			
and abbreviated Contract		=	<u>\$7,500.00</u>
			<u>\$25,080.87</u>

Total Invoice \$25,080.87

GETTY MINES, LIMITED

Invoice approved for payment:
D.R. Hanks

Charge expense element:

11-1-3-811-322-10-5002 = 20,064.70
Charge Project: 314-10-5003 = 5,016.17



Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

GETTY MINES, LIMITED

Invoice approved for payment

[Signature]

Charge expense element: _____

W-1-3-811-301 - W-5002 = 7309.80

Charge Project: _____ 5003 = 4873.20

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002919

DATE July 13, 14, 15, 1984

Getty Mines
Suite 509
700 W. Pender St.
Vancouver, B.C.

DESCRIPTION	AMOUNT
Re: Charter Caribou	
Pilot: Ambrose	
Flying: 1980 miles @ \$5.75/mile	11385 00
Fuel: 300 gals @ \$2.66/gal	798 00
Total	\$12183 00
<p>D.R. + H. <i>[Signature]</i></p> <p>5002 301-3 \$ 7309.80</p> <p>5003 301-3 \$ 4873.20</p>	

Air North Charter and Training Ltd.

24-Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET

002919

AC C-GUY2

DATE JULY 13-14-15

NAME GETTY

W-1-3-811-301 - W-5002 = 7309.80

ADDRESS _____

5003 = 4873.20

From	Miles	Hours	Cargo	Passenger-Remarks
From <u>WHITEHORSE</u>				
To <u>CLEAR LAKE</u>	150			
<u>MINTO</u>				<u>DRILL + CAMP</u>
<u>CLEAR LAKE</u>				<u>DEMOBILIZATION</u>
<u>12 TRIPS</u>				
<u>TO MILIK X 24</u>	1680			
<u>WHITEHORSE</u>	150			

Special Instructions	at	Per Hour	
<u>FUEL</u>			
<u>300 gal @ 2.66</u>	at 5.75	Per Mile	11385 00
<u>Waiting Time</u>	at	Per Hour	
<u>Fuel 300 gals @ 2.66</u>		Per Gallon	798 00
<u>Other</u>			
<u>TOTAL CHARGES</u>			12183 00

D.R. + H. *[Signature]*

Pilot's Signature [Signature] 301-3 Base 4873.20

Charterer's Authorization [Signature]

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

GETTY MINES, LIMITED

Invoice approved for payment:

D. A. Sales

Charge expense element: _____

W-1-3-111-301-10-5002

Charge Project: PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002485 DATE July 11, 1984

Getty Mines Ltd.
SUITE 509
700 W. PENDER ST.
VANCOUVER, B.C.
V6C-1G8

DESCRIPTION	AMOUNT
Re: Charter C-206	
Pilot: Gilmore	
Flying: 300 miles @ \$1.44/mile	432 00
Fuel: included above	
Total	\$432 00

5002 301-3 432.00

D. R. Hunter

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET
No. 002485

AC *C-212* DATE *July 11/84*
NAME *GETTY*
ADDRESS *W-1-3-111-301-10-5002*

From	Miles	Hours	Cargo	Passenger	Remarks
Whitehorse					
To Clay Lake	150				
Whitehorse	150				
SUITE 509 700 W PENDER ST. VANCOUVER, B.C. V6C-1G8					
300					
Special Instructions		at	Per Hour		
		at 1.44	Per Mile	432	00
Waiting Time		at	Per Hour		
Fuel		gals @	Per Gallon		
Other					
TOTAL CHARGES					432 00

[Signature] Pilot's Signature 301-131 Base 2.00
[Signature] Charterer's Authorization

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

JUL 4 - 1984

Getty Mines Limited

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002382

DATE June 23, 1984

Getty Mines
C/O Andronik Expediting

GETTY MINES, LIMITED

Invoice approved for payment

D. G. [Signature]

DESCRIPTION	AMOUNT
Charge expense element	
Re: Charter Navajo <i>1W-1-3-811-301-10-5002</i>	<i>174.4</i>
Pilot: Sparling Charge Project: <i>5003</i>	<i>174.4</i>
Flying: 300 miles @ \$1.35/mile	405 00
Fuel: 45 gals @ \$2.63/gal	118 35
Total	\$523 35
<i>5003 301-1 174.45</i>	
<i>5002 301-1 174.45</i>	
<i>2038? 301-1 174.45 ✓</i>	

[Signature] *D.R. Hooke*

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

JUL 4 - 1984

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002385

DATE June 26, 1984
GETTY MINES, LIMITED

Getty Mines Ltd invoice approved for payment:
C/O Andronik Expediting

D. G. Silvers

Charge expense element

DESCRIPTION	AMOUNT	
<i>1W-1-3-811-301-10 - 5002 = 272.19</i>		
Charge Project	<i>- 5003 = 272.20</i>	
Re: Charter Navajo		
Pilot: Sparling		
Flying: 300 miles @ \$1.35/mile		405 00
Fuel: 53 gals @ \$2.63/gal		139 39
Total		\$544 39
<i>5002 301-1 272.19</i>		
<i>5003 301-1 272.20</i>		

JUL 4 - 1984

D. R. H.

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228

Box 4998, Whitehorse, Yukon, Y1A 4S2 payment:

d. g. [signature]

Account Number: _____

PHONE 668-2228

AIRCRAFT CHARTER

W-1-3-811-301-10-5002

INVOICE 002335

DATE June 11, 1984

Getty Mines
C/O Andronik Exp.

JUN 28 1984

DESCRIPTION	AMOUNT
Re: Charter Islander	
Pilot: Clougher	
Flying: 300 miles @ \$2.00/mile	600 00
Fuel: 60 gals @ \$2.63/gal	157 80 ✓
Total	\$757 80 ✓

W-1-3-811-301-10-5002

D.R. [signature]

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

BM

Air North Charter and Training Ltd.

GETTY MINES, LTD.

Invoice approved for payment:

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Charge expense element: 1

1W-1-3-811-301-10-5002=546.00

301-3-10-5003=234.00

Charge Project: PHONE-668-2228

AIRCRAFT CHARTER

INVOICE 003761

DATE May 29, 1984

Getty Mines
C/O Andronik Exp.

DESCRIPTION				AMOUNT	
Re: Charter Islander					
Pilot: Bergren					
Flying: 300 miles @ \$2.60/mile				780	00
Fuel:	included above \$				
Project	Item				
	Major	Sub	Total		
5002	301	1	546.00		
5003	301	3	234.00		
Invoice Total				780.00	
Approved: <u>D.R. Hooke</u>					

A SERVICE CHARGE OF 2 PER CENT PER MONTH ADDED TO ACCOUNTS OVER 30 DAYS

Air North Charter and Training Ltd.

CHARTER TICKET

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

NO 003761

AC KMJ DATE May 29

NAME Getty Exploration

ADDRESS 1W-1-3-811-301-10-5002=546.00
301-3-10-5003=234.00

From	Miles	Hours	Cargo	Passenger	Remarks
<u>Whitehorse</u>					
To <u>Class Sale</u>	<u>150</u>				
<u>Whitehorse</u>	<u>150</u>				
<u>Drillers legs in</u>					
<u>mechanics & line cutters out</u>					

Special Instructions	at	Per Hour		
	<u>300</u>	<u>at 2.60</u>	Per Mile	<u>780.00</u>
Waiting Time	at	Per Hour		
Fuel	gals @	Per Gallon		
Other				
TOTAL CHARGES				<u>780.00</u>

D. Bergren 301 3XV
Pilot's Signature Base

Gary Chit
Charterer's Authorization

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

Invoice approved for payment:

D. A. Silver

W-1-3-811-301-10-5002 = 780.00

Charge Project:

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 003759

DATE May 28, 1984

Getty Mines
C/O Andronik Exp.

DESCRIPTION	AMOUNT	
Re: Charter Islander		
Pilot: Bergren		
Flying: 300 miles @ \$2.60/mile	780	00
Fuel: included above \$		
Project	Major	Sub
		Total
		\$780 00
5002 301 3		780.00
Invoice Total		
Approved: <i>D.R. Hunter</i>		

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

CHARTER TICKET

003759

AC KMJ

DATE May 28

NAME Getty Mines

ADDRESS

From	Miles	Hours	Cargo	Passenger-Remarks
Whitehorse				
To Clew Lake	150			
Whitehorse	150			
Cook, mechanic and ill in Empty Propane out.				

Special Instructions

at Per Hour

300 at 2.60 Per Mile 780.00

Waiting Time at Per Hour

Fuel gals @ Per Gallon

Other

TOTAL CHARGES

780.00

JUN 11 1984

D. Bergren
Pilot's Signature

Base

Gary Chit
Charterer's Authorization

Willow Printers

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 003755

DATE May 25, 1984

Getty Exploration
C/O Andronik Exp.

JUN 4 1 1984

JUN 4 1 1984

DESCRIPTION

AMOUNT

Re: Charter Otter

Pilot: Bergren

Flying: 300 miles @ \$3.26/mile
Item \$

978 00

Fuel: ~~Included above~~
Project

	Major	Sub	
			Total
5002	301	3	586.80
5003	301	1	391.20 391.20
Invoice Total			

\$978 00

Approved: *D.R. Hunter*

A SERVICE CHARGE OF 2 F

GETTY MINES. LIMITED

Invoice approved for payment:

D.G. Silvers

Charge expense element:

14-1-3-811-301-10-5002=586.80

Charge Project: 301-10-5003=391.20

Air North Charter and Training Ltd.

24 Hour Telephone Service 668-2228
Box 4998, Whitehorse, Yukon, Y1A 4S2

PHONE 668-2228

AIRCRAFT CHARTER

INVOICE 002907

DATE May 11, 1984

Getty Mines Ltd.
C/O Andronik Exp.

DESCRIPTION				AMOUNT	
Re: Charter Caribou					
Pilot: Ambrose					
Flying:	300 miles @	\$ 5.75/mile		1725	00
Project	14 M. D. @	\$402.50/Leg		5635	00
Fuel:	304 gals @	\$2.63/gal		800	00
	Major	Sub			
5002	301	3	6120		
5003	301	3	2040		
			Total	\$8160	00
Invoice Total			8160		
Approved: <i>DR Hawke</i>					

A SERVICE CHARGE (

GETTY MINES, LIMITED

Invoice approved for payment:

d.g. Silvers

Charge expense element:

11-3-81-301-10-5002-6120.00
301-10-5003-2040.00

Charge Project: _____

4 1 1984

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA					GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding L's	Shears, fract.	Method Points					CORE QUALITY					ASSAYS				
						DESCRIPTIVE LOG					FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE			% Zn	% Pb
						From	To	Length			From	To	Length	Tag No.						
40						<u>OVERBURDEN cont'd</u>														
50																				
60																				
62	2c					62	69	7	98	43										
70						69	77	8	25	0										
80						77	80	3	36	0										
						80	84	4	94	0										
						84	85.5	1.5	67	0										
						85.5	87	1.5	78	22										
90	2c					87	90	3	94	0										

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-4B

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG					LOCATION SURVEY DATA			GENERAL COMMENTS													
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method	Points	CORE QUALITY					ASSAYS								
								FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades		
From	To	Length	From	To	Length	Tag No.															
<u>ARGILLITE (2e) cont'd</u>																					
140	2e			15°				140	150	10	100	53									
150								150	153	3	86	28									
160								153	163	10	98	56									
								163	167	4	50	13									
								167	169	2	67	17									
170	2e																				
	1a/b							169	177	8	100	41									
180	1a/b	Py						177	187	10	99	58									
	2a							187	188	1	100	0									
190																					

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA					GENERAL COMMENTS										
Scale	Lithology	Mineralization	Alteration	Bedding L's	Shears, fract.	Method	Points	DESCRIPTIVE LOG			CORE QUALITY					ASSAYS					
								From	To	Length	% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades		
									From	To	Length	Tag No.									
190	2a					ARGILLITE (2a) cont'd.			188	193	5	93	0								
						185'-205' (cont'd) slightly to moderately graphitic															
						205'-210' numerous thin sand bands (to ~1/2")			193	198	5	80	7								
						208' small (0.4" long), irregular bleb of pyrite															
200									198	201	3	78	0								
									201	205	4	63	0								
210	2a								205	214	9	84	38								
									214	218	4	94	10								
220						218'-240' fault zone, core badly broken with some gouge sections.			218	223	5	80	8								
									223	225	2	100	0								
230									225	235	10	100	4								
									235	238	3	58	0								
240	2a																				

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA					GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points					CORE QUALITY					ASSAYS				
						DESCRIPTIVE LOG					FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE				% Zn
						From	To	Length			From	To	Length	Tag No.						
290	2a					<u>ARGILLITE (2a) cont'd</u>														
						290	300	10	100	4										
						300	309	9	92	17										
						305' few fine sand bands (up to 1" wide)														
						309	319	10	80	13										
						310.5'-314' few fine sand bands (to 1" wide)														
						318'-319' fault, core badly broken, gouge														
						322.5'-323.5' same as 318'-319'														
						319	325	6	100	17										
	2a																			
						<u>327'-345' ARGILLITE (2c)</u>														
						$\frac{1}{2}$ " to 6" parallel laminated, sand banded, argillite					325	336	11	95	16					
	2c					329' cross bedding indicates tops up hole?														
						(15° to CIA)														
						340' two rounded oblong Py nodules (~1" diam.)														
310	py																			

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D.HAWKE / T. BORSCHNECK

GRAPHIC LOG					LOCATION SURVEY DATA					GENERAL COMMENTS										
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points					CORE QUALITY					ASSAYS				
						DESCRIPTIVE LOG					FOOTAGE RUNS			% Core Recov.	% RQD.	FOOTAGE				% Zn
							From	To	Length			From	To	Length	Tag No.					
340	2c					ARGILLITE (2c) contd.	336	345	9	100	16									
	2a					345'-386' ARGILLITE (2a)	345	348	3	67	0									
350						massive, black argillite	348	357	9	100	37									
						344'-356' core badly broken, some gouge														
360	2a					moderate to strong quartz stockwork	357	365	8	95	16									
370																				
380	2a																			
	2a																			
	2b			90°		386'-414.5' ARGILLITE (2b)														
390						sand banded. (bands to ~3" thick)														

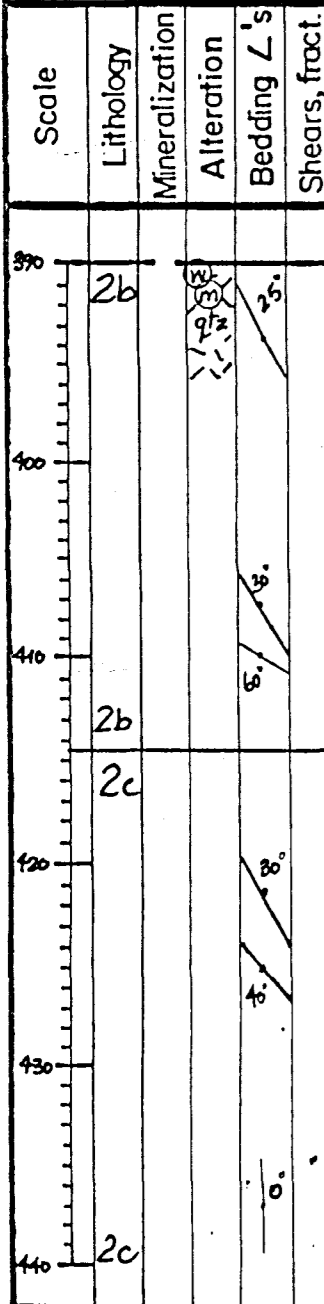
CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG



LOCATION SURVEY DATA

Method Sperry Sun Magnetic Single Shot
 Points depth dip azimuth
422' -61° 267°

DESCRIPTIVE LOG

ARGILLITE (2b) cont'd

414.5' - 512.5' ARGILLITE (2c)
black argillite with many parallel laminated, medium grey, fine grained sand bands (up to 3' thick)
414.5 - 417.5' medium grey, massive to vaguely laminated, medium grained sandstone bed.

GENERAL COMMENTS

CORE QUALITY

FOOTAGE RUNS			% Core Recov.	% RQD.
From	To	Length		
385	395	10	100	18
395	401	6	74	19
401	404	3	92	0
404	409	5	77	8
409	413	4	100	31
413	420	7	96	22
420	429	9	100	14
429	431	2	92	0
431	437	6	81	8

ASSAYS

FOOTAGE				% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length	Tag No.				

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY				ASSAYS					
						DESCRIPTIVE LOG				FOOTAGE RUNS			% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb
						From	To	Length			From	To	Length	Tag No.					
490	2c	Py		10°															
				10°															
				10°															
				10°															
500				10°															
				10°															
				10°															
510	2c			10°															
	2a			10°															
				10°															
				10°															
520				10°															
				10°															
				10°															
530				10°															
				10°															
				10°															
540	2a			10°															
	2c			10°															

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method	Points	CORE QUALITY			ASSAYS								
								FOOTAGE RUNS			% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length	From	To	Length	Tag No.													
						DESCRIPTIVE LOG													
						<u>SANDSTONE (1b) cont'd.</u>													
590	1b																		
600	2c			45°		592.5'-613'	ARGILLITE (2c)	587	597	10	93	47							
						slightly calcareous ^{black} argillite with medium grey, parallel to ripple laminated sand bands.													
						602.5'-603.5' rounded Pyrite nodules (0.5"-1.0")													
610	2c			35°															
						613'-627.5' SANDSTONE (1b)													
						medium grey, fine grained, laminated, slightly calcareous sandstone; bedding folded and contorted													
620	1b					617	627	10	99	68									
						pyrite blebs and nodules throughout. (up to 1" across, <1%)													
630	2c			45°		627.5'-648'	ARGILLITE (2c)	627	637	10	98	48							
						parallel to wavy laminated sand-banded argillite													
						629' 1/4" thick diffuse band of disseminated Pyrite grains													
640				10°															

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS											
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY			ASSAYS								
						FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades				
DESCRIPTIVE LOG						From	To	Length			From	To	Length					Tag No.			
640	2c					<u>ARGILLITE (2c) cont'd</u>				637	647	10	100	53							
						647' contorted sand bands															
650	2b					<u>648'-783' ARGILLITE (2b)</u>				647	657	10	98	60							
						black argillite with minor, slightly calcareous parallel to ripple laminated sand bands (to 3")															
						Sand bands are contorted throughout															
660	2b					652' disrupted band of disseminated pyrite (<.1" thick)				657	667	10	95	82							
670	2b					666'-688' core badly broken				667	677	10	97	90							
680																					
690	2b																				

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

LOCATION SURVEY DATA

GENERAL COMMENTS

Scale
Lithology
Mineralization
Alteration
Bedding L's
Shears, fract.

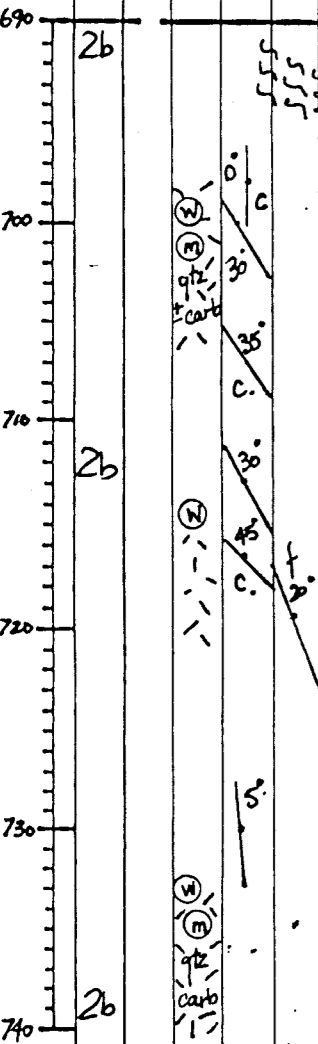
Method _____
Points _____

CORE QUALITY

ASSAYS

DESCRIPTIVE LOG

FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE				% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length			From	To	Length	Tag No.				



ARGILLITE (2b) cont'd

691'-694' core broken up, minor gouge

~698'-720' bedding highly contorted.

* 686	707	21	94	34								
707	717	10	100	65								
717	726	9	100	57								
726	737	11	96	27								

* NOTE: Run marker missing.

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS															
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY					ASSAYS										
						DESCRIPTIVE LOG				FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE				% Zn	% Pb	Oz/T Ag	Average Grades			
				From	To	Length	From	To	Length	Tag No.															
740	2b			8°		<u>ARGILLITE (2b) cont'd.</u>				737	745	8	98	58											
760				5°		747' very fine grained, 1/2" wide diffuse band of disseminated Pyrite crystals at 30° to 45°.				745	756	11	95	52											
760	2b			3°		762' 1" rounded Pyrite nodule				756	766	10	100	59											
770				5°		766' 2" rounded, oblong Pyrite nodule/bleb - fractured with fractures filled with quartz.																			
770				5°		768'-773' core somewhat broken up, no gouge				766	776.5	10.5	100	33											
770				5°		776'-779' same as 768'-773'																			
780	2b			5°						776.5	787	10.5	100	26											
790	2a					783'-811' <u>ARGILLITE (2a)</u> black, massive argillite containing some rare thin, parallel laminated sand bands (<.5" wide)																			

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number B4-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY			ASSAYS						
						Method	Points	From	To	Length	% Core Recov.	% RQD	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades
DESCRIPTIVE LOG						From	To	Length	% Core Recov.	% RQD	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades	
790	2a			15°		<u>ARGILLITE (2a) cont'd</u>													
						787	797	10	97	18									
800						795.5' - 798.5' sand banding contorted and disrupted.													
						797	807	10	98	58									
810	2a			10°		811' - 912.5' <u>ARGILLITE (2b)</u>													
	2b					black argillite containing minor parallel to vaguely ripple laminated, medium gray sand bands (<6" wide)													
						807	817	10	98	42									
820						817	827	10	97	33									
						827	837	10	100	43									
830																			
840	2b																		

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA			GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points			CORE QUALITY			ASSAYS						
						Method	Points	From	To	Length	% Core Recov.	% RQD	FOOTAGE			% Zn	% Pb	Oz/T Ag
DESCRIPTIVE LOG																		
<u>ARGILLITE (26) cont'd</u>																		
840	26							837	847	10	94	35						
850								847	857	10	100	18						
859'-861' broken core																		
862'-863' minor fault gouge & broken core																		
860	26							857	865	8	93	25						
867' soft sediment deformation in sand band?																		
869.5' bedding disrupted																		
870								865	875	10	100	73						
880								875	885	10	100	37						
885'-900' bedding contorted and disrupted by weak quartz carbonate veining (small veins <<.1")																		
890	26																	

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG

LOCATION SURVEY DATA

Method Sperry Sun Magnetic Single Shot
 Points depth dip azimuth
911' -63° 267°

GENERAL COMMENTS

CORE QUALITY

ASSAYS

DESCRIPTIVE LOG

ARGILLITE (2b) cont'd.

900'-912.5' FAULT ZONE, core is broken with much carbonaceous fault gouge.

912.5-918.5' SANDSTONE (1a)
vuggy, massive, medium dark grey, medium grained sandstone with ~1% rounded Pyrite nodules throughout (nodules to 1" diam)

918.5'-1115' ARGILLITE (2b)
black argillite containing a few parallel laminated grey sand bands

918.5' contact between 1a and 2b is disrupted and brecciated

919' small (1") rounded Py blebs

Scale	Lithology	Mineralization	Alteration	Bedding L's	Shears, fract.
870	2b			5	
900					
910	2b				
	1a	Py			
920	2b	Py		8.5	
				10	
930					
940	2b				

FOOTAGE RUNS			% Core Recov.	% RQD	FOOTAGE				% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length			From	To	Length	Tag No.				
885	896	11	97	46								
896	903	7	100	21								
903	912.5	9.5	98	0								
912.5	917	4.5	100	69								
917	927	10	98	28								
927	933	6	86	14								
933	942	9	91	26								

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG					LOCATION SURVEY DATA					GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method	Points	CORE QUALITY					ASSAYS						
								FOOTAGE RUNS			% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades
From	To	Length	From	To	Length	Tag No.													
<u>ARGILLITE (2b) cont'd.</u>																			
990	2b							987	997	10	98	65							
								~ 990-1020 vague ripple laminations in sand bands											
1000								997	1007	10	100	61							
1010	2b							1007	1017	10	100	38							
1020								1017	1023	6	89	7							
								1019'-1023' core badly broken, fault gouge											
1030								1023	1033	10	100	41							
1040	2b							1033	1043	10	100	29							

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS												
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY			ASSAYS									
						Method	Points	From	To	Length	% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades			
DESCRIPTIVE LOG										From	To	Length	% Core Recov.	% RQD.	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades
1040	2b			5.		<u>ARGILLITE (2b) cont'd</u>																
				5.		1048'-1054' massive black argillite (2a), no sand banding				1043	1054	11	95	45								
1050						1054'-1058' core broken, some graphitic gouge 1058.5' two rounded, fractured Py nodules (~1" dia)																
1060	2b	Py				1060'-1064.5' core is broken, very graphitic and gougey.				1054	1064.5	10.5	96	18								
1070						1069'-1071' broken contorted sand banding 1072'-1073' massive sand band 1075.5' folded bedding				1064.5	1075	10.5	100	44								
1080						1082' cross bedding indicates tops down hole				1075	1086	11	97	45								
1090	2b																					

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DIAMOND DRILL RECORD

Hole Number 8A-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG					LOCATION SURVEY DATA					GENERAL COMMENTS												
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method	Points	DESCRIPTIVE LOG														
																		CORE QUALITY			ASSAYS	
			FOOTAGE RUNS			% Core Recov.	% RQD.	FOOTAGE			% Zn	% Pb	Oz/T Ag	Average Grades								
From	To	Length	From	To	Length			Tag No.														
1096	2b			8°				<u>ARGILLITE (2b) cont'd.</u>														
				8°				1086	1096.5	10.5	99	16										
				8°				1093'-1094' core extremely ground up; graphitic fault gouge (~60° to c/A)														
				8°				1096.5	1107	10.5	100	26										
				8°				1104.5' quartz-carbonate filled fractures in round pyrite nodules (to 1" diameter), bedding slightly contorted														
				8°				1109'-1110' rounded, fractured Py nodules as at 1104.5'														
1110	2b			8°				1107	1117	10	99	36										
				8°				<u>1115'-1125' FELSITE (KTF)</u>														
				8°				pale whitish-green, felsic, feldspar porphyry >50% feldspar phenocrysts (up to 0.2" maximum length) in aphanitic groundmass; weak to moderate pervasive chlorite-sericite-carbonate alteration. Color of unit gets darker (greyish) towards lower contact where the phenocrysts are more noticeable. Trace disseminated, tiny Pyrite cubes. Core is vuggy along some fracture surfaces, others slickensided. Upper and lower contacts 60° to c/A, conformable with bedding.														
1120	KTF	Py	Chlorite-sericite-carbonate	8°				1117	1127	10	100	67										
				8°				1125'-1135.6' ARGILLITE (2c) black argillite containing slightly folded and contorted sand bands.														
1130	2c			8°				1127	1137	10	99	46										
				8°				1125'-1135.6' ARGILLITE (2c) black argillite containing slightly folded and contorted sand bands.														
1140	KTF	Py	Chlorite-sericite-carbonate	8°																		

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DIAMOND DRILL RECORD

Hole Number 84-98

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS									
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY			ASSAYS						
										FOOTAGE RUNS			FOOTAGE						
DESCRIPTIVE LOG						From	To	Length	% Core Recov.	% RQD	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades	
1140	KTp					1135.6'-1156'	<u>FELSITE (KTF)</u>												
1150	KTp																		
1160	2b																		
1170																			
1180																			
1190	2b																		

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA					GENERAL COMMENTS																				
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method	Points	DESCRIPTIVE LOG																							
																		FOOTAGE RUNS			CORE QUALITY		ASSAYS								
								From	To	Length	% Core Recov.	% RQD	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades											
1190	2b	Py	S	5°				ARGILLITE (2b) cont'd.										1187	1192	5	100	33									
								1188'-1190' core broken, much fault gouge																							
								1190' small irregular Py blebs (<0.5")																							
	1a	Py	S					1196'-1205.5' SANDSTONE (1a)										1192	1201	9	88	42									
1200								highly pervasively silicified, med-dark grey, medium grained																							
								massive sandstone, <1% rounded Py nodules																							
								and irregular blebs (up to 1.5" long), some stylolites																							
	6°							1200'-1201' fault, core broken and gougey.										1201	1211	10	100	57									
1210	KTf							1205.5'-1223' FELSITE (KTf)																							
								feldspar porphyry as at 1115'-1125'																							
								Upper and lower contacts at 60° to 9/4 and																							
								conformable with bedding.										1211	1221	10	99	66									
1220	2b		S					1223'-1228' ARGILLITE (2b)																							
								black argillite that is silicified in patches																							
								1224'-1226' fault, core broken and some gouge																							
								1226'-1227' light to medium grey chert bed.										1221	1231	10	100	33									
								1228' two ~1" thick Py beds at 40° to 9/4																							
1230	5	Py						1228'-1256' LAPILLI TUFF (5)																							
								light-medium blue-grey tuff with thin wispy grey-																							
								black argillite fragments and light grey chert																							
								fragments (to 6" in length); weak to moderate										1231	1242	11	97	14	1236	1240	4'	48366	.01	.02	.03		
1240								clay? alteration; average 1% (up to 10% locally)																							

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DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE/T. BORSCHNECK

GRAPHIC LOG						LOCATION SURVEY DATA				GENERAL COMMENTS												
Scale	Lithology	Mineralization	Alteration	Bedding \angle 's	Shears, fract.	Method Points				CORE QUALITY				ASSAYS								
						From	To	Length	% Core Recov.	% RQD	From	To	Length	Tag No.	% Zn	% Pb	Oz/T Ag	Average Grades				
DESCRIPTIVE LOG																						
1240						LAPILLI TUFF (5) cont'd.																
	Py Sph Py			25°		pyrite as bands, nodules and irregular patches (up to 1" thick and 1.5" diam.), trace reddish, fine grained sphalerite (up to 1% locally) in fine veinlets and disseminated - some sphalerite is yellowish colored.																
1250	5			35°		1229'-1231' broken core				1242	1252.5	10.5	100	26	1245	1250	5'	48368	.30	.02	.01	
1260	2d			60°		1241'-1245' 5-10% massive Py bands (to 1/4" thick) parallel to bedding; trace sphalerite				1252.5	1262	9.5	95	18								
						1242' 0.2" band of 1% disseminated pinkish sphalerite (25° to c/a) conformable to bedding.				1262	1270	8	98	15								
1270						1249'-1256' tuff fragments are less wispy, smaller and better sorted.																
						1256'-1323' ARGILLITE (2d)																
						black silicified and cherty argillite (cherty sections usually shorter than 6-8") with minor sand bands. Bedding is contorted through most of this section				1270	1280.5	10.5	100	16								
1280						1262' minor fault gouge				1280.5	1291	10.5	100	42								
						1265'-1266' fault gouge 60° to c/a																
1290						1270' 6" grey chert bed.																

CLEAR LAKE PROJECT

DIAMOND DRILL RECORD

Hole Number 84-48

Logged By D. HAWKE / T. BORSCHNECK

GRAPHIC LOG					LOCATION SURVEY DATA			GENERAL COMMENTS														
Scale	Lithology	Mineralization	Alteration	Bedding L's	Shears, fract.	Method	Points			CORE QUALITY					ASSAYS							
						<u>Sperny Sun Magnetic Single Shot</u>	depth	dip	azimuth	FOOTAGE RUNS			%	%	FOOTAGE				%	%	Oz/T	Average
							1305'	-61.5°	270°	From	To	Length	Core Recov.	RQD	From	To	Length	Tag No.	Zn	Pb	Ag	Grades
						DESCRIPTIVE LOG																
						ARGILLITE (2d) cont'd																
1290	2d					1272'-1277' core broken, some 6" gouge sections																
						1277'-1283' moderate Py stockworks																
						1279'-1280.5' core badly broken																
1300						1287'-1306' fault zone, core badly broken with much gouge																
						1293-1297 unbroken section																
1310						1287'-1323' weak Py stockwork																
						1310' <1% disseminated reddish pink sphalerite in 1/2" wide dark grey chert band.																
						1322'-1323' siliceous/cherty																
1320	2d					1323-1329' MASSIVE SULPHIDE (A)																
						massive pyrite with ~10% grey chert as matrix, core is very broken up (faulted).																
1330	4					1329'-1334' CHERT (4)																
						medium grey mottled chert with moderate Py stockwork, trace reddish sphalerite associated with pyrite veins; contact with Argillite (2b) 30° to 4A.																
1340	2b																					