

LOG NO: 0219

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ACTION:

2/89

FILE NO:

ASSESSMENT REPORT

DIAMOND DRILL HOLE

FILMED

TOP CLAIM - TOP CLAIM GROUP

N.T.S. 82G/4W

FORT STEELE MINING DIVISION

MOUNT MAHON AREA

Coordinates:

Latitude 49°05'N

Longitude 115°57'W

PERIOD: September 11, 1987 to October 5, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,078

OPERATOR:

CHEVRON CANADA RESOURCES LIMITED

AUTHOR:

F.R. Edmunds, EDMUNDS & ASSOCIATES

January, 1988

SUB-RECORDER
RECEIVED

FEB 17 1988

M.R. # \$
VANCOUVER, B.C.

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I. INTRODUCTION

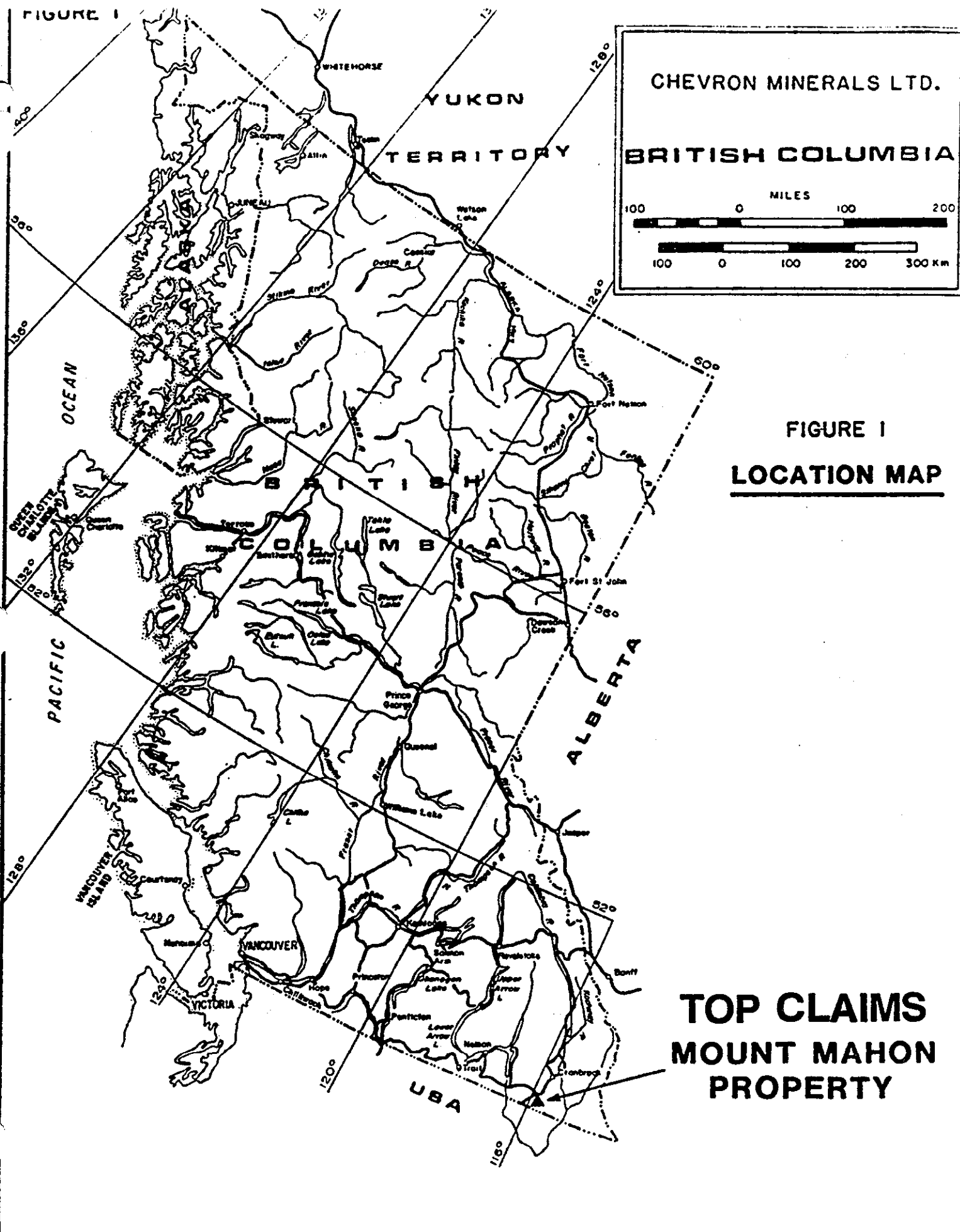
The Mount Mahon Property is underlain by stratigraphy just above the contact between the Middle and Lower Aldridge Formation. This is the time horizon of the Sullivan Mine, approximately 70 km to the north (180 mt: 7% Pb 6% Zn 20 oz/t Ag). Boron alteration of sediments, resulting in tourmaline, similar to that at the Sullivan deposit, outcrops near the summit of Mount Mahon. This feature, together with the stratigraphic position, make the property an attractive exploration venture. The objective of past and current work is the location of a shale-hosted PbZnAg deposit of the Sullivan-type.

Diamond Drill Hole Chevron MM 87-1 is a stratigraphic test, primarily of the Middle/Lower Aldridge contact, but also of the sections above and below the contact. It is intended to assess the character and structure of the rock below the zone of tourmalinization exposed near the summit of Mount Mahon.

2. LOCATION and ACCESS

The claim group is located in the Purcell Mountains in southeast B.C. approximately 10 km northeast of the town of Yahk (Figure 1). The property can be reached by turning east from Highway 3 onto the Hawkins Creek road at the north end of Yahk. After 12 km, the Coldwater Creek logging road branches north from the Hawkins Creek road. At 5 km up the Coldwater Creek road, an old logging road on the west side fords Coldwater Creek and leads to the site of Drill Hole MM 87-1.

This road was up-graded in 1986 for reseeding operations and (in 1987) was negotiable by 2WD 1/2 ton truck and the self-propelled Nodwell-mounted drill rig.



3. CLAIM STATUS

The TOP claim, on which MM 87-1 was drilled, forms part of a larger claim group in which Chevron obtained an interest through farm-in from Falconbridge Limited and St Eugene Mining Corporation Limited on August 26, 1983. This group includes the TOP, YAHK, AME, TNT, TOURM, PINE, ALDER, MEAD and LARCH claims (see Figure 2). Subsequently, Chevron added the CHEV and STAN claims in 1983 and the TOONA, CHARMAINE, ERIK, EARL and MEL claims in 1984.

For the purpose of filing assessment work credits, the following claims are grouped with the TOP claim (10 units): YAHK (18 units), ERIK (9 units), MEL (12 units), EARL (20 units), CHARMAINE (20 units) and TOONA (10 units) - 99 units in total (see Figure 2). Assessment work credits as per Appendix II are filed to maintain the Top and Yahk claims in good standing until 1992 and Erik, Mel, Earl, Charmaine and Toona in good standing until 1993.

4. GEOLOGY

Outcrops in the vicinity of Mount Mahon summit are Middle Aldridge clastic sediments dipping gently northeast. They possess a metamorphic mineral assemblage of quartz-plagioclase-sericite-biotite-(garnet) and the more argillaceous units are cut by an east-dipping slaty cleavage. Primary sedimentary features, however, are very well preserved.

The dominant rock type is fine grained, light grey weathering meta-sandstone in beds between several cm and 1 m thick. These are generally massive, except for graded tops. Subordinate dark grey, rusty weathering, thinly bedded and/or laminated siltstones are interbedded with the meta-sandstones; and light to dark grey argillite occurs as thin laminae intercalated within the silt-stones and at the top of graded sandstones.

Figure 2

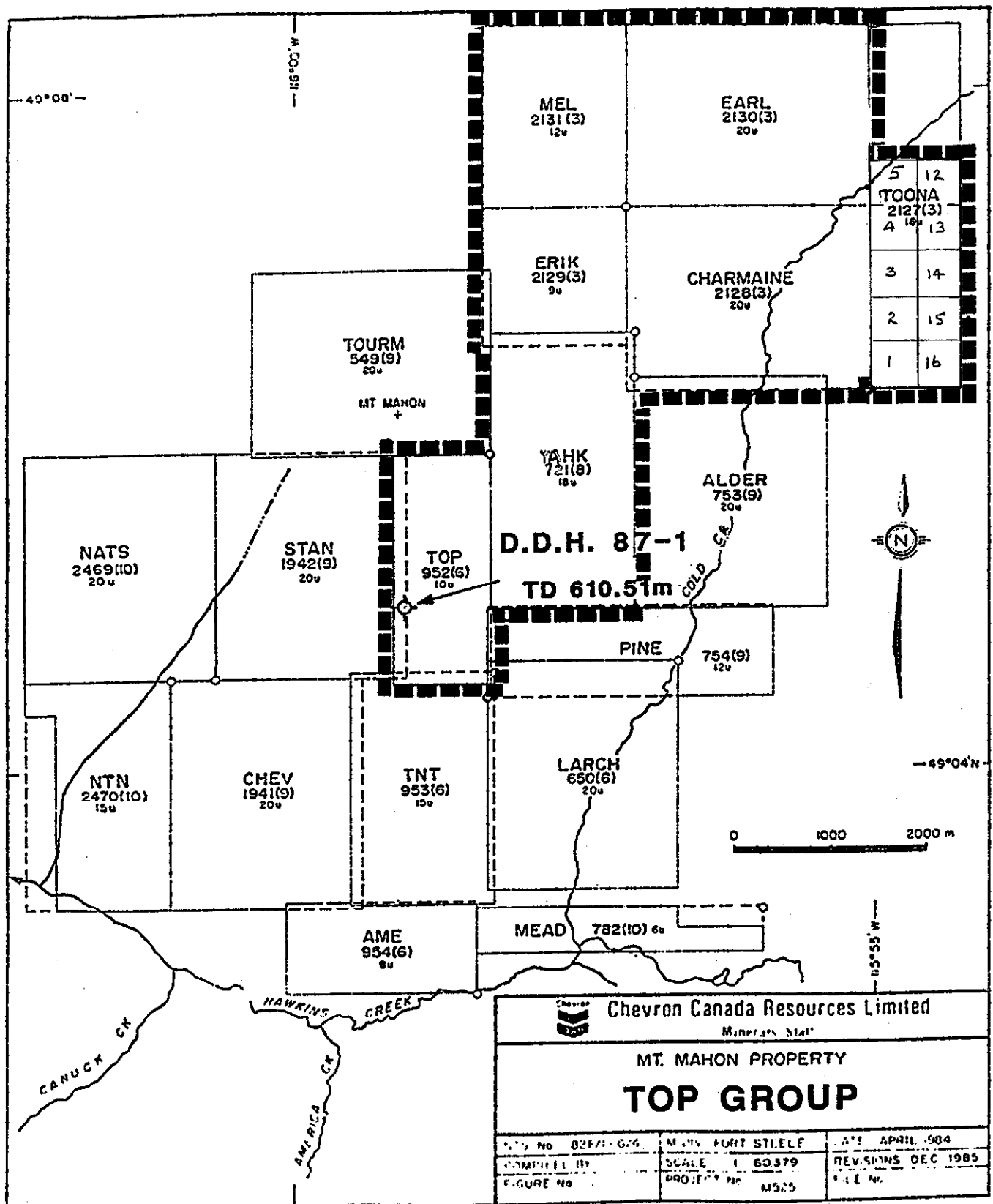


Figure 3

MOUNT MAHON PROSPECT

TABLE OF CLAIMS AND STATUS

Unpatented Mineral Claims located in the Fort Steele Mining Division,
Kootenay Land District, Province of British Columbia (NTS 82G/4 and 82F/1)

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Date Recorded</u>	<u>Hectares</u>	<u>Present Expiry Date</u>
TOURM	549	20	1978/09/21	500.0	1990/09/21
YAHK	721	18	1979/08/01	450.0	1990/08/01
AME	954	8	1980/06/20	200.0	1990/06/20
TNT	953	15	1980/06/20	375.0	1990/06/20
TOP	952	10	1980/06/20	250.0	1990/06/20
PINE	754	12	1979/09/07	300.0	1991/09/07
ALDER	753	20	1979/09/07	500.0	1990/09/07
MEAD	782	6	1979/10/09	150.0	1990/10/09
LARCH	650	20	1979/06/11	500.0	1990/06/11
CHEV	1941	20	1983/09/23	500.0	1990/09/23
STAN	1942	20	1983/09/23	500.0	1990/09/23
TOONA	2127	16	1984/03/05	400.0	1988/03/05
CHARMAINE	2128	20	1984/03/05	500.0	1988/03/05
ERIK	2129	9	1984/03/05	225.0	1988/03/05
EARL	2130	20	1984/03/05	500.0	1988/03/05
MEL	2131	12	1984/03/05	300.0	1988/03/05

Claim Status February 1, 1988
J. P. Henry

There are a number of thin lenses of intraformational conglomerate near the top of Mount Mahon. The most extensive horizon, a metre thick, can be traced several hundred metres northeast.

Tourmalinite occurs throughout a stratigraphic interval of 80 m on the south and southeast flanks of the summit. It is a very hard, dark grey cherty rock consisting of an ultrafine felt of tourmaline needles. Most commonly, it is a replacement of argill-ite at the tops of graded sandstones and within faintly laminated siltstones. Similar tourmalinite occurs as clasts within the intraformational conglomerate.

Sulphide mineralization exposed in the vicinity of Mount Mahon summit consists of 1% to 2% disseminated pyrrhotite in tourmalinized as well as non-tourmalinized sediments.

5. PREVIOUS WORK

Prior to the Chevron option in 1983, diamond drilling was performed by Falconbridge Limited.

Work done by Chevron Resources on the Mount Mahon Property is described in the assessment reports listed in Section 8. The following is a summary.

1983: Geological Mapping.

Line cutting - 41.25 km for geochemistry grid.

Geochemistry - 828 soil samples for Pb, Zn and Cu.

Gravity (La Coste & Romberg Model G) -413 stations.

Tourmalinite zones traced across the property and Middle/Lower Aldridge contact approximated; two moderate Pb Zn soil anomalies, one apparently associated with mineralization in Falconbridge DDH YA-6; two positive gravity anomalies, one coincident with one of the soil anomalies.

Expenditure - \$103,222.35

1984: Diamond Drilling - MM 84-1; 473 m.

Middle/Lower Aldridge contact established. Small quartz vein containing Pb Zn sulphides; restricted tourmaline.

Expenditure - \$81,023.05

1984: Geological Mapping.

Line Cutting - 13.2 km extension of geochemistry grid.

Geochemistry - 264 soil samples for Pb, Zn and Cu.

Gravity (La Coste & Romberg Model G).

EM Geophysics (EM-37) - 12.8 km.

Significant PbZn sulphide mineralization within the survey area considered unlikely.

Expenditure - \$43,902.25

The conclusion on all past work is that the contact between the Middle and Lower divisions of the Aldridge Formation may be explored for blind mineralization north and east of Mount Mahon.

6. DIAMOND DRILLING

6.1. Objective

The objective of the 1987 program is to evaluate the contact between the Middle and Lower Aldridge Formation (the Sullivan Time Horizon) for indications of adjacent Sullivan-type mineralization in a hitherto untested portion of the Mount Mahon Property.

6.2. Program

Drill Hole MM 87-1 is a vertical NQ diamond drill hole cored to a depth of 610.51 m. The collar is at 1575 m elevation at coordinates 49°05'N and 115°57'W (Figures 2 and 4).

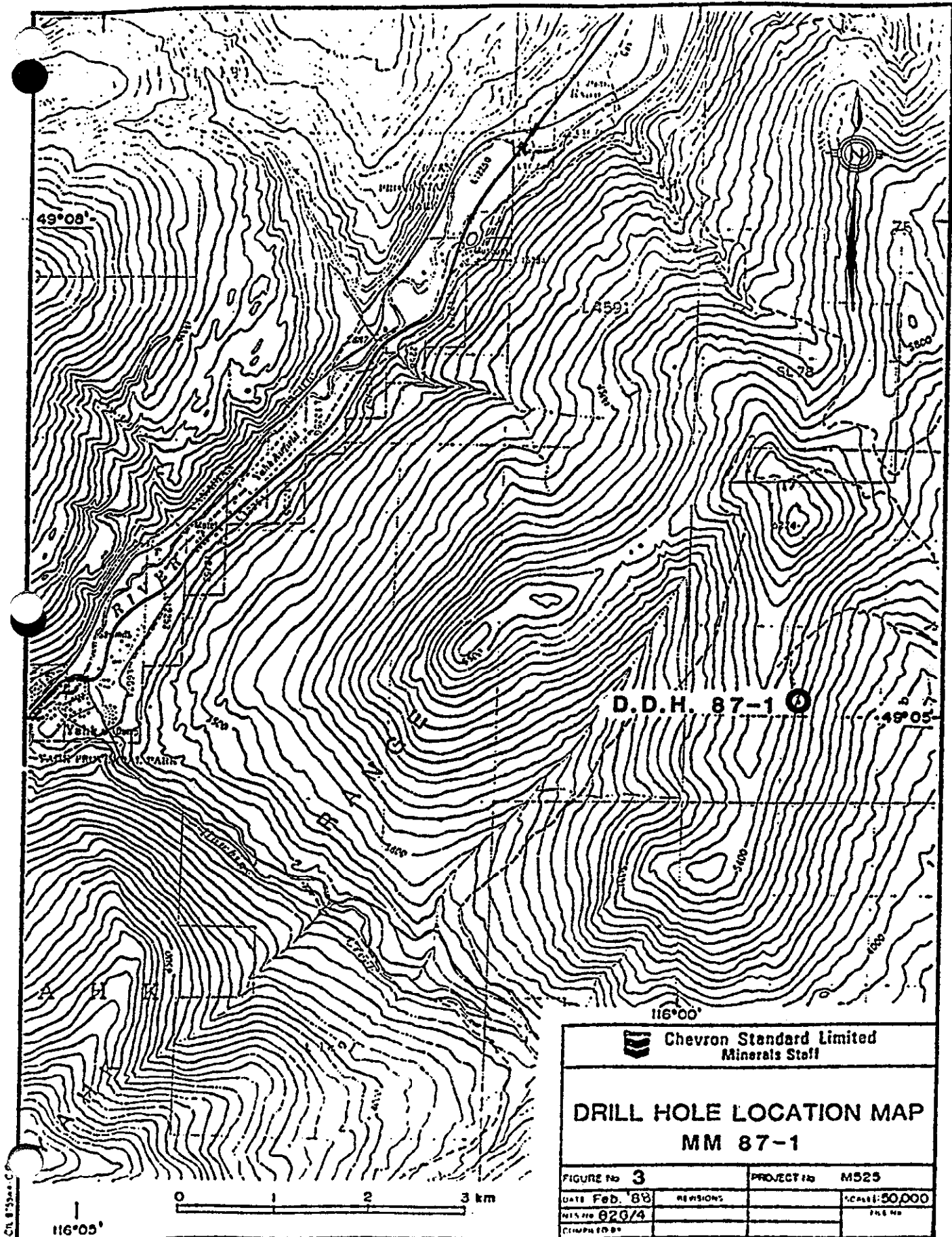
The drill site and access road were prepared and the casing was set to bedrock in 1985. Early freezing, however, prevented any further work in that year.

For the 1987 program, the contractor, Connors Drilling, Kamloops, B.C., arrived in Yahk 16 September, and recollared the hole on 19 September. The machine used was a 37A diamond drill mounted on a self-propelled Nodwell unit. The hole was completed on 3 October, and the casing was left in place.

Two pumping stages and 2042 m of hose line were required to lift drilling water through a vertical distance of 200 m.

The drill crew and supervision stayed at Ambleside Park Motel in Yahk. The core is stored at Chevron Resources' warehouse in Burnaby.

FIGURE 4



6.3. Results

The detailed log of the core, made by G. Mason, Kimberley, is given in Appendix IV. Figure 5 (in pocket #1) is a summary plot.

The first core in MM 87-1 is Middle Aldridge Formation. It consists of meta-sandstones (quartzites), siltstones and argillites interbedded on a scale of 5 cm to about 2 m. The dominant colour is grey. The sandy members are graded and the argillaceous ones are laminated. They display cut-and-fill features, minor small scale cross-bedding, and evidence for soft-rock disturbance and fragmentation attributed to a flysch or turbidite sequence. The more argillaceous units usually carry less than a percent iron sulphide as pyrite and/or pyrrhotite, generally as an irregular dissemination of fine grains, occasionally as veinlets and small aggregates.

The thicker sandstones characterize the Middle Aldridge Formation. They are coarser grained, poorly graded except at their tops, often contain rip-up clasts, and are classified as AE turbidites in the Bouma terminology. They achieve 2 m thickness in MM 87-1.

In many parts of the Aldridge Formation, the passage into the Lower division is easy to place. Then the lowest AE turbidites of the Middle Aldridge are thick (up to 5 m), with an abrupt base, and there is very little interbedded argillite. In MM 87-1 it is transitional. There is a good AE base at 86.4 m, which may be taken as that of the lowest typical Middle Aldridge sandstone. Others at 105.1 and 106.7 m may then be regarded as precursors.

Below 106.7 m the core is of Lower Aldridge Formation: it is devoid of the massive, high-velocity turbidites of the Middle division. Otherwise there is very little lithologic difference.

Throughout, the sedimentary style suggests a rather placid part of the basin of deposition. Mud chips and rip-up clasts are few, the bases of the sandier units are remarkably planar, there is very little cross-bedding, the core-to-bedding angles are constant between about 75 and 90 degrees and there are no slump features or intraformational conglomerates. An exception, the sequence between 150 and 185 m, contains small scale slumping increasing downwards to a zone of minor (possibly softrock) faulting at the base.

There is relatively little metagabbro. The intrusions total 35 m, or less than 6% of the sequence, and the thickest is 11 m. Commonly, hornblende gabbro comprises 20% to 30% of the Lower Aldridge, and the thicker sills exceed 100 m. The granophyre logged between 429 m and 535.3 m is considered to be altered sediment, unlithified and water-bearing at the time of gabbro intrusion. This gabbro-granophyre complex is probably that encountered throughout the Aldridge Formation, generally a short distance below the contact between the Middle and Lower divisions. In MM 87-1 it is unusually low and rather thin.

There are small intervals of tourmaline alteration at 137 m and 276 m. Elsewhere, for example at 32 m and 79.8 m, the rock is hard and black, probably as a result of partial tourmalinization of the argillaceous fraction.

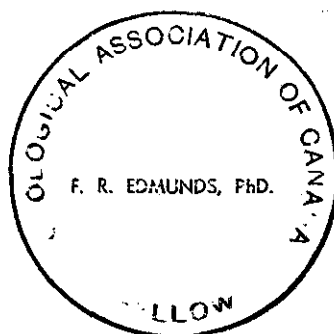
Traces of pyrrhotite occur throughout MM 87-1, but neither galena nor sphalerite is recorded. There are no base metal sulphides above the granophyre complex. Within the granophyre, between 527.7 m and 528.2 m, a set of 1 mm fracture planes are coated with pyrrhotite, chalcopyrite, arsenopyrite and possibly a telluride. Thereafter, chalcopyrite occurs within the thin-bedded argillites as aggregates a few mm in size and rarely as veinlets, generally associated with pyrrhotite. Arsenopyrite occurs as fine isolated or clustered crystals between 554 m and 562 m.

7. CONCLUSIONS

Drill Hole MM 87-1 collared in Middle Aldridge Formation and passed through a transition into Lower Aldridge Formation between 80 m and 100 m depth. It then continued in the Lower division to 610 m.

Although there are a few zones of tourmalinization a few cm thick in the top half of the hole, there is no indication of proximity to Sullivan-style mineralization on the Middle-Lower contact or at any other point in the hole.

F.R. Edmunds



F.R. Edmunds, Ph.D, FGAC,
EDMUNDS & ASSOCIATES,
22 January, 1988

8. REFERENCES

Dekker, L., April 1984. BCMEMPR Assessment Report, "Mahon Claim Group. Fort Steele Mining Division. Period June 27, 1983 - December, 1983. Mt Mahon Area. NTS 82G/4."

Dekker, L. and Schiarizza, P., February 1985. BCMEMPR Assessment Report, "Diamond Drill Hole Chevron MM 84-1. TOURM Claim - Stan Claim Group. NTS 82G/4W. Fort Steele Mining Division. Mount Mahon Area."

Dekker, L. and Schiarizza, P., February 1985. BCMEMPR Assessment Report, "Geology, Gravity, EM-37 and Geochemical Soil Survey. Mel Claim Group consisting of MEL, ERIK, CHARMAINE, EARL and TOONA Claims. NTS 82G/4W. Fort Steele Mining Division. Mount Mahon Area."

EXHIBIT "A"

EXPENDITURE STATEMENT

Diamond Drill Hole:
Chevron MM 87-1 Top Claim - Top Claim Group
Fort Steele Mining Division

(1) Wages (Chevron Personnel and Contract Geologist)

Drill Supervision - Core Logging

<u>Name</u>	<u>Position</u>	<u>Period</u>	<u>Days At</u>	<u>Amount</u>
J.P.Henry	Drill Supr.	Oct.19 to 22/87	4 @ \$230 = \$920	
		Sep.24 to Oct.10/87	27 @ \$230 = \$6,210	
		Nov.10 to 13/87	3 @ \$230 = \$690	
				\$7,820.00
G. Mason	Geologist	Sep.14 to Oct.9/87	18 @ 250 + exp. = \$4,849.24	
		Nov.13 to 18/87	6 @ \$250 + exp. = \$1,540.00	
				<u>\$6,389.24</u>
				\$ 14,209.24

(2) Diamond Drilling (including mob., demob, set-up, etc.)

Connors Drilling Ltd., Kamloops, B. C.
as per itemized invoices #14116, 14150 and 14185

67,363.90

(3) Other Expenses

Truck rental	1,673.02
Food - Lodging (Ambelside Park, Yahk (P.Henry, G. Mason)	2,455.68
Travel Expenses - P. Henry	391.09
Report Geological - R. Edmunds, Ph.D., FGAC	875.00
Freight, movement of core, Yahk, B.C. to storage Vancouver	939.91
	<u>\$ 87,907.84</u>

APPENDIX I
STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

F.R. EDMUNDS

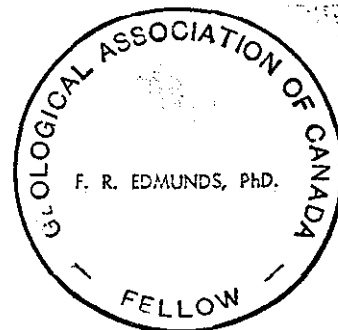
I, Frederick R. Edmunds, hereby certify that:

1. I am a consulting geologist residing at 6840 Hycroft Road, West Vancouver, British Columbia.
2. I am a graduate of Keele University, U.K. with the degree of BA (Geology, 1958), of the University of Toronto with the degree of MSc (Geology, 1966) and of The Pennsylvania State University, U.S.A. with the degree of PhD (Mineralogy and Petrology, 1977).
3. I am registered with the Geological Association of Canada as a Fellow.
4. I have practiced my profession as a geologist for the past 30 years in Canada, USA and parts of Europe.
5. I do not have, nor do I expect to have, directly or indirectly, any interest in the properties of Chevron Canada Resources Limited except as stated in Item 6.
6. I receive a 1.0% interest to a limit of \$750,000 in expenditures made by a Joint Venture Partnership consisting of Chevron Resources Canada Limited (50%) and Esso Minerals (50%) in an area known as the Row Project, which is centred on Creston, B.C. and which does not include the Mount Mahon Property.
7. This report is based on my general knowledge of the Aldridge Formation, previous Assessment Reports submitted by Chevron Resources on the Mount Mahon Property, a review of the log of Drill Hole MM 87-1 and examination of the core from that hole at Chevron Resources' warehouse in Burnaby on 19 January, 1988.
8. I place no restriction on the lawful use of the material which I have certified.

Dated at West Vancouver, British Columbia,
22 January, 1988

F.R. Edmunds

F.R. Edmunds, Ph.D, FGAC



STATEMENT OF QUALIFICATIONS

G. MASON

I, Gerald Mason, hereby certify that:

1. I am a consulting geologist residing at 413 - 4th Avenue, Kimberley, B. C.
2. I am a graduate of the University of British Columbia with a BA degree (Geology, 1940).
3. I have practiced my profession as a geologist in British Columbia for the past 47 years.
4. I do not have, nor do I expect to have, directly or indirectly, any interest in the properties of Chevron Canada Resources Limited.
5. I personally examined and logged the core of Chevron Canada Resources Limited D.D.H. MM 87-1 at Yahk, B. C. before shipment of the core to Chevron Resources' warehouse in Burnaby, B. C.


GERALD MASON

Dated at Kimberley, B. C.
February 4, 1988

APPENDIX II

ASSESSMENT WORK CREDITS TO BE APPLIED

APPENDIX II

Assessment Work Credits to be Applied

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date</u>	<u>Assessment Credit Applied</u>	<u>New Expiry Date</u>
TOP	952	10	1990/06/20	2yrs/\$4,000	1992
YAHK	721	18	1990/08/01	2 yrs/\$7,200	1992
EARL	2130	20	1988/03/05	5 yrs/\$20,000	1993
CHARMAINE	2128	20	1988/03/05	5 yrs/\$20,000	1993
ERIK	2129	9	1988/03/05	5 yrs/\$9,000	1993
MEL	2131	12	1988/03/05	5 yrs/\$12,000	1993
TOONA	2127	10	1988/03/05	5 yrs/\$10,000	1993

TOTAL ASSESSMENT WORK CREDITS APPLIED \$82,200.00

TOTAL EXPENDITURES \$ 87,907.84

APPLIED ASSESSMENT WORK CREDITS 82,200.00

\$ 5,707.84

APPENDIX III

COPIES OF INVOICES

COPY

STATEMENT

GERALD MASON
CONSULTING GEOLOGIST

TELEPHONE
[604] 427-3197

Date OCT. 15, 1987

413 - 4th AVENUE
KIMBERLEY, B.C. V1A 2R7

EARL D. DADSON - MANAGER, MINERAL STAFF

CHEVRON CANADA RESOURCES LIMITED

1900 - 1055 WEST HASTINGS

VANCOUVER B.C. V6E 2E9

18 days @ 250/day Sept. 14 to Oct. 9, 1987

MILEAGE 1080 miles @ 25¢/mile

MEALS

DIAMOND DRILL LOGGING - KIMBERLEY LITHO
FORMS

4500.00

270.00

27.30

52.24

\$4849.24

PROJECT	AMOUNT
M525	4849.24
SIGNED	<i>[Signature]</i>
DATE	
OVER	
ENTERED	
SYSTEM	

mt. to Pay
11/16/87
M525
[Signature]

COPY 2

7500

STATEMENT

GERALD MASON
CONSULTING GEOLOGIST

TELEPHONE
[604] 427-3197

413 - 4th AVENUE
KIMBERLEY, B.C. V1A 2R7

Date .. Nov. 18, 1987

..... MR. Earl D. DODSON..... Manager of Mineral Staff.....

..... CHEVRON CANADA RESOURCES LIMITED..... 1900-1055 WEST HASTINGS.....
VANCOUVER B.C. V6E 2E9.....

6 days @ 250/day to Nov. 18, 1987.
PRINTING.

Progress Report 1
and additional Reports & Map A to K.

I have not received payment for my previous Statement
G. Mason

\$ 1500
40.00

1540.00

PROJECT	
M525	1540.00
SIGNED	
PAYMENT APPROVED	
ENTERED	SYSTEM
M1231	



COPY

INVOICE NO: 14116
DATE: September 30, 1987
CONTRACT NO: 21-764

Connors Drilling Ltd. 2007 West Trans Canada Highway, Kamloops, B.C. Canada V1S 1A7 (604) 374-3366 Telex: 04-88391

COPY

Chevron Canada Resources Limited
1900 - 1055 West Hastings Street
Vancouver, B.C.
V6E 2E9

SURFACE DIAMOND DRILLING
YAHK, B.C.

DRILL # 1

MOBILIZATION
TO YAHK @ LUMP SUM

\$2,500.00

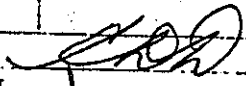
FIELD COST WORK

<u>DATE</u>	<u>OPERATION</u>	<u>MAN HRS</u>	<u>RIG HRS</u>
15/09/87	MOB/DEMOB	24.0	0.0

24.0 HRS @ 34.00/HR.

816.00

\$3,316.00

PROJECT	AMOUNT
M525	3316.00
SIGNED 	
PAYMENT APPROVED	
ENTERED	LEGER SYSTEM
M1032	



COPY

INVOICE NO: 14150
DATE: October 14, 1987
CONTRACT NO: 21-764

Connors Drilling Ltd. 2007 West Trans Canada Highway, Kamloops, B.C. Canada V1S 1A7 (604) 374-3366 Telex: 04-88391

Chevron Canada Resources Limited
1900 - 1055 West Hastings Street
Vancouver, B.C.
V6E 2E9

SURFACE DIAMOND DRILLING
YAHK, B.C.

DRILL # 1

FOOTAGE FEE

HOLE #	SIZE	ANGLE	OPERATION	FROM	TO	FEET	RATE		
MM-87-1	NW	-90	OVERBURDEN	0'	22'	22'	24.00	\$	528.00
MM-87-1	NQ	-90	CORING	22'	1000'	978'	21.50		21,027.00
MM-87-1	NQ	-90	CORING	1000'	1663'	663'	24.00		15,912.00
						<u>1663'</u>			<u>\$37,467.00</u>

FIELD COST WORK

DATE	OPERATION	MAN HRS	RIG HRS	COMMENTS
<u>DRILLING</u>				
26/09/87	REAMING	12.0	6.0	
27/09/87	REAMING	16.0	8.0	
28/09/87	REAMING	20.0	10.0	

OTHER

16/09/87	MOB/DEMOB	48.0	.0	MOBILIZATION
17/09/87	MOB/DEMOB	40.0	.0	MOBILIZATION
18/09/87	WATERLINES	44.0	.0	OVER 5000'
19/09/87	WATERLINES	8.0	.0	OVER 5000'
24/09/87	WATERLINES	4.0	2.0	OVER 5000'
27/09/87	OTHER	8.0	4.0	CAVE
28/09/87	OTHER	14.0	7.0	CAVE
		<u>214.0</u>	<u>37.0</u>	

214 MAN HOURS @ 36.50 \$7,811.00
37 RIG HOURS @ 20.00 740.00

8,551.00

TESTS

DATE	HOLE #	DEPTH	TYPE
23/09/87	1	0500	ACID
25/09/87	1	1000	ACID
30/09/87	1	1500	ACID

3 TESTS @ 60.00

180.00



COPY

INVOICE NO: 14150
DATE: October 14, 1987
CONTRACT NO: 21-764

Connors Drilling Ltd. 2007 West Trans Canada Highway, Kamloops, B.C. Canada V1S 1A7 (604) 374-3366 Telex: 04-88391

/2/

CONSUMABLES

DATE	MATERIAL	QUANTITY	UNIT PRICE	
29/09/87	MUD - GEL	17	18.61	\$316.37
30/09/87	MUD - GEL	14	18.61	260.54
				<u>576.91</u>
			PLUS 15%	<u>86.54</u>
				\$ 663.45

DIAMOND BITS

BIT #	TYPE	HOLE #	UNIT PRICE	
NM912	NQ CORE BIT	1	566.68	
NM913	NQ CORE BIT	1	566.68	
			<u>1,133.36</u>	
			PLUS 15%	<u>170.00</u>
				<u>1,303.36</u>
				<u>\$48,164.81</u>

OK to Pay
P. Hume

PROJECT	AMOUNT	
M525	48 164.81	
SIGNED		
PAYMENT APPROVED		
ENTERED	LEDGER	SYSTEM
M1033		



COPY

INVOICE NO: 14185
DATE: October 29, 1987
CONTRACT NO: 21-764

Connors Drilling Ltd. 2007 West Trans Canada Highway, Kamloops, B.C. Canada V1S 1A7 (604) 374-3366 Telex: 04-88391

Chevron Canada Resources Limited
1900 - 1055 West Hastings Street
Vancouver, B.C.
V6E 2E9

SURFACE DIAMOND DRILLING
YAHK, B.C.

PROJECT	AMOUNT
M525	15 883.09
SIGNED	<i>[Signature]</i>
PAYMENT APPROVED	<i>[Signature]</i>
ENTERED	LEDGER SYSTEM
M1133	

DRILL # 1

FOOTAGE FEE

HOLE #	SIZE	ANGLE	OPERATION	FROM	TO	FEET	RATE
MM 87-1	NQ	-90	CORING	1663'	2003'	340'	24.00 ✓

\$ 8,160.00

FIELD COST WORK

DATE	OPERATION	MAN HRS	RIG HRS	COMMENTS
03/10/87	MOB/DEMOB	28.0	14.0	BREAKOUT & DRAIN UP ✓
04/10/87	MOB/DEMOB	24.0	.0	MOVE DRILL & EQUIP ✓
05/10/87	MOB/DEMOB	32.0	.0	LOAD TRUCKS & GEAR ✓
		84.0	14.0	

84 MAN HOURS @ 36.50 \$3,066.00
14 RIG HOURS @ 20.00 280.00

3,346.00

CONSUMABLES

DATE	MATERIAL	QUANTITY	UNIT PRICE
01/10/87	MUD - GEL	11	18.61
03/10/87	CASING - 10' NW	2	146.00
03/10/87	CASING - 2' NW	1	53.15
			549.86
			PLUS 15% 82.48

632.34

DIAMOND BITS

BIT #	TYPE	HOLE #	UNIT PRICE
F3941	CASING SHOE	MM87-1	105.00
		PLUS 15%	15.75 ✓

120.75

MISCELLANEOUS

COREBOXES - 110 @ 14.50 EACH Total # Boxes used 106 for core
CORESPLITTER RENTAL - 1 MONTH No Core splitter + 6 for spares - 112

1624.10
1,595.00

50.00 Credit

DEMOBILIZATION AT LUMP SUM

2,000.00

Please Remit Payment to the
Above Address Via Courier
(Collect).

\$15,904.09

15,883.09

M525

112
14.50
1624.00

rent-a-car

H.A. NUMBER

CALLED BY

YEAR

(HEREINAFTER REFERRED TO AS "BUDGET" AND
"BUDGET RENT-A-CAR" AND "BUDGET RENT-A-TRUCK")

C.C. TYPE

REPLACEMENT CAR
VEHICULE DE RECHANGEORIGINAL CAR
VEHICULE ORIGINALCAR NO.
AUTO NO.LICENSE NO.
PERMIS NO.MAKE
MARQUEOFFICE
SWITCHED
ATTIME
SWITCHED

KM. IN

KM. OUT

KM. DRIVEN

CAR NO.
AUTO NO.LICENSE NO.
PERMIS NO.MAKE
MARQUETIME IN
HEURE
ENTREETIME OUT
HEURE
SORTIE

KM. IN

KM. OUT

KM. DRIVEN

ALL ACCIDENTS MUST BE
REPORTED AT OUR OFFICES
WITHIN 24 HOURS.DAILY RATE AND COVERAGE
IS BASED ON 24-HOUR DAY.

MILES	
KM.	
DAYS	
JOURS	
HOURS	
HEURES	
WEEKS	
SEMAINES	
MONTHS	
MOIS	
SPECIAL	
DAY	

TOTAL TIME AND
MILEAGE CHARGELESS
REFUND
FOROTHER
AUTRESUR-
CHARGE
DAILY

SUB-SOUS-TOTAL

SALES TAX
TAUX DE VENTE

SUB-SOUS-TOTAL

COLLISION
DAMAGE WAIVER
CHARGE DAILY
PERSONAL
ACCIDENT INS.
DAILYGAS +
GAZTOTAL CHARGE
CHARGE TOTALELESS
REFUND
FORLESS DEPOSITS
MOINS DEPOSITSNET DUE
BUDGETNET DUE
RENTERCHARGED
CHARGE

\$1673.02

D.B.I.L.L. CO.

D.O.O.

INTER BRANCH

CHARGE

PAID
PAYE

51403

CONTRACT CLOSED BY
CONTRAT FERME PARCONTRACT CLOSE SUBJECT TO FINAL AUDIT
LE PRESENT CONTRAT EST CONCLU SAUF VERIFICATION FIN D'EXERCICERATES DO NOT INCLUDE GASOLINE
LES PRIX DU MILLAGE N'INCLUS PAS LA GAZOLINE

RENTER TO BE ONLY AUTHORIZED DRIVER

N THE VEHICLE HEREIN DESCRIBED MUST NOT BE USED, OPERATED OR DRIVEN.
NOR DOES BUDGET GIVE ITS CONSENT, EXPRESSED OR IMPLIED, TO THE VEHICLE
BEING USED, OPERATED OR DRIVEN BY ANY PERSON OTHER THAN THE RENTER OR
E SUCH OTHER DRIVER(S) AS HEREIN SPECIFICALLY NAMEDI AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ON BOTH SIDES OF THIS RENTAL
AGREEMENT AND TO RETURN VEHICLE TO BUDGET ON OR BEFORE DUE BACK DATE AND
AT PLACED SPECIFIED

RENTER'S SIGNATURE SIGNATURE DU LOCATAIRE

SIGNATURE AUTHORIZED BUDGET REPRESENTATIVE
SIGNATURE DU REPRESENTANT AUTORISE DE BUDGET

PROJECT

AMOUNT

M525

1673.02

SIGNED

PAYMENT
APPROVEDENTERED
M1032

LEDGER

SYSTEM

COLLISION DAMAGE LIABILITY WAIVER
(C.O.L.W.)BY SIGNING, CUSTOMER AGREES TO PAY THE FEE
CURRENTLY CHARGED FOR EACH DAY OR FRACTION
THEREOF. THIS RENTAL AGREEMENT IS IN
EFFECT AND BUDGET AGREES TO WAIVE ALL CLAIMS
AGAINST CUSTOMER FOR COLLISION DAMAGE ONLY
TO VEHICLE PROVIDED IT IS OPERATED ON USED IN
CONFORMITY WITH RENTAL AGREEMENT.
C.O.L.W. IS NOT INSURANCE.X
CUSTOMER SIGNATURE

LIMITED DAMAGE LIABILITY

BY SIGNING, CUSTOMER AGREES TO PAY BUDGET
FOR ALL LOSS OR DAMAGE TO VEHICLE (REGARDLESS
OF NEGLIGENCE) LIMITED, HOWEVER, TO \$2000 PER
ACCIDENT, PROVIDED VEHICLE IS OPERATED OR USED
IN CONFORMITY WITH RENTAL AGREEMENT.X
CUSTOMER SIGNATURE

LIMITED DAMAGE LIABILITY

BY SIGNING, CUSTOMER AGREES TO PAY BUDGET
FOR ALL LOSS OR DAMAGE TO VEHICLE (REGARDLESS
OF NEGLIGENCE) LIMITED, HOWEVER, TO
\$ PER ACCIDENT, PROVIDED VEHICLE IS OPERATED OR
USED IN CONFORMITY WITH RENTAL AGREEMENT.X
CUSTOMER SIGNATUREDUE BACK BY
REMISE EN PLACE PAR

A.M. P.M.

DAY OF
JOUR DE

19

AT ADDRESS
A ADRESSE(CITY)
(VILLE)

PROV.

DAY MO. YR.

ADDITIONAL DRIVER
CHAUFFEUR ADDITIONNELADDRESS
ADRESSE

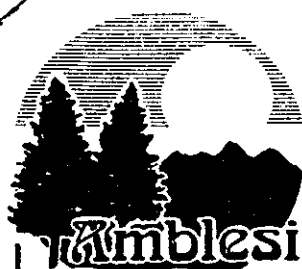
PHONE

LICENSE NO.
PERMIS NO.

PROV.

EXPIRATION

RENTER IS RESPONSIBLE
FOR ALL DAMAGE TO VEHICLE,
INCLUDING ALL TIRE
& TUBE REPAIRS WHILE
TRAVELLING OFF PAVED
HIGHWAYS, EVEN THOUGH
SIMILAR DAMAGE MAY HAVE
BEEN CAUSED WHILE TRAVEL-
LING ON PAVED HIGHWAYS.REFUNDED
REMBOURSERETURNED AT
REMBOURSE ACALLED IN BY
DEMANDE PARCONTRACT CLOSED BY
CONTRAT FERME PAR



COPY

Yahk, B.C. • VOB 2PO • Phone 424-5559 or 424-5570

**Ambleside
Park**

October 13, 1987

Chevron Minerals Ltd.

M525	2455.68
SIGNED PAYMENT APPROVED	
ENTERED 11/10/87	LEDGER SYSTEM

Billing for Accommodations for Pat Henry at \$36.00
per night, and G. Mason at \$28.00 per night

Billing Period: P. Henry - September 14, 1987 to and
including October 9, 1987.

Billing Period: G. Mason - September 28, 1987 to and
including October 9, 1987.

Room charges:

Cabin #7 - Pat Henry - 26 nights
\$36.00 x 26 nights
tax

\$ 936.00
74.88

1010.88

cabin #5 - G. Mason - 12 nights
\$28.00 x 12 nights
tax

\$ 336.00
26.88

362.88

Total Room charges

1373.76

Meal charges:

Pat Henry (+ G. Mason, geol.)
G. Mason
Total meal charges

\$ 921.40
19.40

940.80

15% gratuities on meals

141.12

Total amount owing:

\$ 2455.68



ACCOUNTING
OFFICE

P.O. BOX 738
WINNIPEG, MANITOBA R3C 2L8

MOTORWAYS

A Federal Industries Company

SET CONSIGNATAIRE

CHEVRON MINERALS
BURNABY MINI WHSE 7705 19 ST
DOOR 19620 BURNABY BC

SHIPPER / EXPÉDITEUR

PAT HENRY C/O CHEVRON
CRANBROOK, BC

ORIG.

CK9F

PRO NO./N° RÉCÉPISSE

5045924-7

DEST.

MT3F

TRAILER NO./N° REM.

563136

ORIGINATING CARRIER & PRO / TRANSPORTEUR ORIGINAIRE ET N° DE RÉCÉPISSE

SHIPPER'S NUMBERS / NUMÉROS DE L'EXPÉDITEUR

1

DELIVERING CARRIER / TRANSPORTEUR FINAL

YR. AN. MO. DAY

07/10/14

PIECES / QUANT.

DESCRIPTION OF COMMODITIES / DESCRIPTION DES MARCHANDISES

114

CHEVRON CANADA RESOURCES LTD MINERAL STAFF
1900-1055 WEST HASTINGS STREET
VANCOUVER B.C. V6E 2G9
PCS (106 COPE BOXES, 6 MTY CORE BOXES 20 CT)
SCALED IN CBK ML-1 SEC-5 440
ATTN: P HENRY 668-5499 OR 525-3874
THANK YOU FOR SHIPPING MOTORWAYS

114

BILL TO / FACTURER A:

CHEVRON CANADA RESOURCES LTD MINERAL
1900-1055 WEST HASTINGS STREET
VANCOUVER B.C. V6E 2G9

BILLER
COMMIS

06

ORIG REVENUE
REV. TR. ORIG.

BILLED AT
FACTURE A

06

DEL'Y REVENUE
REV. TR. FINAL

PAGE

1/1

WEIGHT / POIDS

RATE / TAUX

CHARGES / FRAIS

COLL. / PPD.

7755 1212

07091 020

PROJECT

AMOUNT

M525

939.91

SIGNED

PAYMENT

C.O.D. APPROVED

C.O.D.
EXCHANGE

EXCHANGE
C.R.

LEDGER

SYSTEM

FEES / HONORAIRES

M1133

TOTAL

TERMS 7 DAYS
TERMES 7 JOURS

PLEASE PAY THIS AMOUNT
S.V.P. PAYER CE MONTANT

ECÉPISSE

24-7

N° REM.

06

DAY
JOUR

014

COLL. / PPD.

PPD

PPD

UNT
ANT

JNEE'S

APPENDIX IV
CORE DESCRIPTIONS
D.D.H. MM 87-I

DIAMOND DRILL RECORD

PROPERTY Mt. Mahon

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
152.4 m	3:30°	
304.8 m	9:30°	
457.2 m	9:30°	
609.6	9:30°	

Hole No. MM 87-1 Sheet No. 1 of 63

Section

Date Begun Sept. 14, 1987

Date Finished Oct. 3, 1987

Lat. S 18+04.7 (Grid)

Dep. W 501.5 (Grid)

Bearing Vertical

Elev. Collar 5170 ft.

(1575 m)

Total Depth 610.51 m

Logged By G. Mason

Claim Top

Core Size N.Q.

0-6.71 m **NO CORE-CASING**

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
6.71-77.94	ARGILLITE + SILTSTONE with pink garnets and MnO ₂						
6.71-7.32	Siltstone - gray with 1.3cm pink garnets (poss. Friedelite, Mn silicate?)						
7.32-9.60	Bands of argillite and silty argillite; beds at 78-80° to core axis.						
	7.92 : mud flakes						
	8.53-8.66 soft argillite with 3% pyrite						
9.60-9.88	Gray siltstone with 0.3cm pink garnets						
9.88-10.55	Laminated argillite - 0.3cm from 10.30: silty argillite to argillaceous siltstone with pink garnets						
10.55-10.91	Laminated argillite with mud flakes 0.3cm x 0.2cm						
10.91-12.01	Massive argillaceous siltstone and siltstone with scattered pink garnets						
12.01-12.10	Argillite						
12.10-12.37	Argillaceous siltstone; 0.6cm clusters of white carbonate						
12.37-13.05	Massive argillite						
13.05-13.32	Siltstone with specks carbonate scattered, 0.3cm-0.6cm pink garnets						
13.32-14.63	13.32-13.81 laminated argillite with biotite; laminated at 78° to c. axis						

DIAMOND DRILL RECORD

PROPERTY Mt MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 2 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	layers						
	13.80-13.87: 0.7cm porous rusty argillite with disseminated marcasite <5%						
	13.87-14.14: argillite						
	14.14-14.63: massive siltstone with .8cm pink garnets						
14.63-16.07	Argillite, bands .6cm-5.0cm bands; from 15.72 massive siltstone with scattered 0.3cm pink garnets;						
	15.75-15.81: carbonate vein parallel to bedding, ^{with} pink garnets and trace pyrrhotite						
16.07-16.50	Massive argillite; from 16.2: massive siltstone with few pink garnets						
16.50-18.17	Laminated argillite with 6" siltstone bands (suggests rusty porous H ₂ O zones); from 17.5 massive siltstone with 5-10 .3cm pink garnets. Laminated (at 16.6) at 78° to c-axis						
18.17-20.88	Laminated argillite; broken near minor rusty joint planes (rusty water course).						
	19.20: dendritic MnO ₂ at <5° to core axis.						
	19.35: joints at <15° to c-axis						

DIAMOND DRILL RECORD

3

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 3 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 m.

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	19.81 : joints at 45° to c-axis						
	20.6-20.9: three mud flakes at approx $75-90^{\circ}$ to c-axis						
20.9 - 21.8	Massive siltstone						
	21.3 : 5cm quartz and pink garnets; small patch rusty quartz and Zn (?)						
21.8 - 22.4	Argillite, 21.76-21.92						
	21.92 : broken siltstone with 5cm white quartz vein						
22.4 - 23.4	Argillite with scattered laminations 5-7.5cm apart; mud chip at 23.0, may be related to joint plane. At 23.0, bedding at 70° to c-axis. At 23.5, jointing at 17° and 5° to c-axis						
	23.2 : 12.5cm siltstone with quartz and few garnets						
23.4 - 27.2	Banded argillite and silty argillite; scattered .3cm laminations and bands of silty argillite (7.5cm - 10.0cm)						
27.2 - 27.8	Massive argillite to argillaceous siltstone with small scattered flakes of white						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 4 of 63

Section.....

Date Begun.....

Date Finished.....

Lot.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	carbonate with pyrite cores < 1 mm						
27.8 - 28.3	Argillite						
28.3 - 29.8	Quartz, chlorite + muscovite + black biotite; trace pyrrhotite, scattered carbonate and garnet. Lower contact at 29.9 at 10° to c-axis.						
29.8 - 31.7	Massive siltstone (?) with some thin banding; rock is locally bleached or silicified with finely disseminated biotite (< 0.5 mm)						
	31.6 : bedding at 90° to c-axis						
31.7 - 33.1	Massive argillite with few .6 cm bands - rock appears to be altered with fine biotite (< 0.01 mm); .3 cm pink garnets at 31.9.						
	104° : bedding at 90° to c-axis						
33.1 - 34.4	Argillite with scattered laminations and $\pm 1\%$ platy green pyrrhotite						
	33.7 : bedding at 80° to c-axis						
34.4 - 37.6	Argillite and silty argillite						
	34.6 - 34.7 : argillite with $\frac{1}{32}$ " pyrrhotite laminations						
	36.0 - 36.2 : argillaceous siltstone with few pink garnets						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 5 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By GM

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	37.0- 37.3 : argillaceous siltstone with few pink garnets						
37.6 - 38.0	Siltstone with fine biotite (<0.5mm)						
38.0 - 39.4	Soft bands argillite (7.5cm) and silty argillite (5.0cm-10cm)						
39.4 - 39.5	Quartz-2cm; rusty porous contact at 55°						
39.5- 42.2	Silty argillite (7.5cm-22cm bands with 2.5cm bands argillite).						
	40.5 : bedding at 70° to c-axis						
	40.6-40.8: argillaceous siltstone						
	40.8-41.2 : argillite + silty argillite bands						
	41.2 - 41.8 : siltstone to argillaceous siltstone; the silty argillite appears to have small (<0.1mm) biotite flakes						
	41.8 - 42.2: argillite with .6cm bands silty argillite with well-developed fine biotite						
	42.5 : bedding at 72° to c-axis						
42.2 - 43.7	Quartz vein - 7.5cm pyrrhotite in massive section with patches of pure biotite. Trace chalcopyrite. Rare brown-stained cracks probably						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 6 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	Fe but looks similar to cassiterite at Sullivan. Upper contact at 78°, lower contact at 20°						
43.7 - 44.1	Silicified siltstone						
44.1 - 45.5	Silty argillite to argillite						
	44.8 : bedding at 81° to c. axis						
45.5 - 45.9	Argillaceous siltstone with several pink garnets						
	45.6 : bedding at 75° to c. axis						
45.9 - 46.2	Argillite to silty argillite						
46.2 - 47.4	Thinly bedded argillite (5.0-10cm)						
	46.8 : Siltstone (7.5cm with 2 or 3 garnets)						
47.4 - 50.0	Thin beds argillite and siltstone						
	48.5 - 48.8 : argillite slightly rusty, possibly permeated by surface H ₂ O.						
	Dendritic MnO ₂ beginning to form between beds; MnO ₂ related to Miocene weathering?						
	48.1 : bedding at 86° to c. axis						
	48.4 : " " 81° " "						
	49.5 : " " 85° " "						
50.0 - 51.0	Argillite, 5cm						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 7 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	50.0 - 50.1 argillite with 5% by vol. MnO ₂ - syngenetic						
	50.1 - 50.4 argillite with trace MnO ₂						
	50.4 - 50.5: 3in argillite with 2% dissemin MnO						
	50.5 - 50.7 argillite						
	50.7 - 51.0: siltstone						
51.0 - 51.2	Argillite, 5.0cm, with siltstone from 51.0						
51.2 - 52.9	Argillite, yellowish-green due to weathering; from 51.8: massive siltstone to silty argillite with few small pink garnets, bedding at 82° to c-axis. MnO at argillite-siltstone contact.						
52.9 - 53.9	Argillite, 12cm, and siltstone; from 53.0: massive siltstone						
53.9 - 54.3	Argillite, 12cm, and silty argillite bands; massive siltstone from 54.0. Bedding at 84° to c-axis. Local black alteration with spotty white carbonate, possibly tourmaline?						
54.3 - 55.2	Argillite, 5.0cm, creamy gray, to silty argillite to siltstone.						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 8 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collor.....

Total Depth 610.51 m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
55.2 - 55.3	Argillite						
55.3 - 55.4	Fault plane at 26° to c-axis in silty argillite						
55.4 - 56.2	Siltstone with discontinuous quartz vein from 55.3 to 55.4; minor MnO ₂ alteration at 56.2						
56.2 - 57.9	Banded argillite 6cm-20cm from 57.0: massive silty argillite to siltstone with few pink garnets						
57.9 - 58.1	Chlorite (biotitic) with dissem. white grains, not carbonate, possibly sheared basic dyke (like a Minette)						
58.1 - 58.2	Massive siltstone						
58.2 - 58.4	Chlorite dyke						
58.4 - 59.0	Argillite to siltstone						
59.0 - 60.4	Broken ground: angular fragments 2.0cm argillite and chloritic rock. Dendritic MnO ₂ on some surfaces. Fault zone: rusty fault or joint plane at 45° to c-axis						
60.4 - 61.0	Laminated argillite at 81° to c-axis						
61.0 - 61.1	Alteration zone: brown biotite with several pink garnets, minor quartz and carbonate						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 9 of 63

Section _____

Date Begun _____

Date Finished _____

Lat. _____

Dep. _____

Bearing _____

Elev. Collar _____

Total Depth 610.51 m

Logged By G.M.

Claim _____

Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
61.1 - 61.2	Silty argillite, + few pink garnets						
61.2 - 61.8	Argillite, brownish-gray, laminated to bedded with minor sheared flakes. From 61.5: massive siltstone with pink garnets.						
61.8 - 61.9	Argillite, 7.5cm, to massive siltstone						
61.9 - 62.5	Argillite, 5.0cm, to silty argillite to siltstone with scattered pink garnets						
62.5 - 63.9	Argillite, well laminated: 3cm black laminae about 6cm apart, gray argillite - not Varve laminations						
63.2 - 63.8	bands with syngenetic growths of MnO ₂ . At 63.2: white siltstone with pink garnets. Bedding at 80° to c. axis						
63.9 - 64.3	Massive siltstone						
64.3 - 65.6	Massive argillite with scattered fine white grains, not carbonate, < 0.5mm (possibly scheelite). From 65.0: argillite with few 3cm laminations.						
65.6 - 66.2	Massive siltstone with few pyrrhotite specks						
66.2 - 66.7	Argillite with coarse texture, quartz-calcite vein with few 1.3cm pink garnets. Vein at 5° to						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 10 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	<i>c. axis</i>						
66.7 - 67.6	Laminated argillite with three bands of <1% to 5% MnO ₂ as spots and grains. White argillaceous mud clast at 67.0. From 67.4: 90% massive siltstone with scattered pink garnets 2mm in size.						
	67.3 : bedding at 79° to c. axis.						
67.6 - 68.9	Argillite + silty argillite, faintly banded. From 68.5: massive silty argillite to argillaceous siltstone with few small pink garnets.						
68.9 - 70.0	Argillite bands (7-15cm) to massive argillaceous siltstone at 69.8 with 4mm pink garnets near quartz vein.						
70.0 - 73.2	Argillite, thinly bedded to laminated (.15cm, 2.5cm) and 7.0-10.0cm silty argillite bands. Mud flake rip-up clast at 70.7.						
	73.2 : bedding at 78° to c. axis						
73.2 - 74.7	Laminated argillite - gray with greenish tinge (could be crumbled gouge?). Small white crystals <0.5mm - not carbonate but soft. (like under I at Sullivan)						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 11 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	73.5 - 73.45 : argillaceous siltstone with MnO ₂ grains 2mm. diameter						
	73.45 - 73.5 : fin. greenish gray argillite (greenish colour may be due to very fine marcasite that cannot be observed with hard lens).						
	73.5 - 74.6 : massive whitened gray argillite with few MnO ₂ grains to silty argillite.						
	74.6 - 74.7 : massive siltstone with few pink garnets						
74.7 - 75.3	Banded argillite, 5.0cm, and silty argillite						
75.3 - 75.6	2.5cm argillite to massive siltstone with garnets to silty argillite						
75.6 - 77.9	Bands of argillite, 7.5cm, and silty argillite. At 76.8, 1.3cm band argillite with 1.5cm pyrrhotite along contact.						
77.9 - 79.3	DIORITE - PURCELL INTRUSIVE						
77.9 - 79.3	Moyie Intrusive - "Diorite or gabbro sill". Upper contact at 73° to c.axis, appears to be a shear plane. Lower contact at 75°						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 12 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE					
	to c-axis, minor pyrrhotite and trace chalcopyrite. Lower contact has 30% biotite patches with green amphibole, veined by quartz and calcite							
<u>79.3 - 80.0</u>	<u>VARVE LAMINATED ZONE</u>							
<u>79.3 - 79.5</u>	<u>Brecciated with small open vugs and expanding mud</u>							
<u>79.5 - 79.8</u>	<u>Massive silty argillite</u>							
<u>79.8 - 80.0</u>	<u>12.5cm Varve type marker - possibly (photograph); laminated at 1-2 mm.</u>							
<u>80.0 - 81.8</u>	<u>RIP-UP CLASTS; SILTSTONE + PYRRHOTITE + PSILOMELANE</u>							
<u>80.0 - 80.3</u>	<u>Argillite. At 80.3, 5cm, argillaceous siltstone with 1mm grain MnO+Fe, bedded at 70° to c-axis.</u>							
<u>80.3 - 81.8</u>	<u>Argillite with various scattered rip-up clasts: clasts hardened siltstone or tourmalinized, also massive pyrrhotite or MnO₂. Rare clasts within clasts. At 80.8: fragmental quartz in argillaceous siltstone with pink garnets.</u>							

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 13 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51Logged By G. M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	81.5 : massive argillaceous siltstone with 10% MnO ₂ grains to siltstone with pink garnets to 0.4mm diameter.						
81.8 - 102.2	ARGILLITE + SILTSTONE, siltstone base						
81.8 - 83.7	Banded argillite with bands of MnO ₂ spotted argillite (bands are probably closer to laminations)						
	82.2 : bedded at 74° to c-axis						
	83.0-83.7: massive siltstone with scattered pink garnets up to 3mm.						
83.7 - 85.9	Argillite and silty argillite. At 84.3, 10% dissem. MnO ₂ grains						
85.9 - 86.0	Argillite and silty argillite with minor MnO						
86.0 - 88.5	Argillite to silty argillite; laminated argillite with fine shearing (argillite sample). From 86.5 bands of argillite and silty argillite with MnO ₂ spots						
	86.6-86.7: mud clast with nearby veinlet						
	87.3-87.35: white carbonate with incipient clusters of black mineral as well as pink garnet						
	87.9-88.1: clusters black MnO ₂ ; bedding at 80° to c-axis.						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 15 of 63

Lat.

Total Depth 610.51 m

Section

Dep.

Logged By G.M.

Date Begun

Bearing

Claim

Date Finished

Elev. Collar

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
93.0 - 93.7	Bands argillite with irregular patches MnO ₂ and band MnO ₂ at 93.3m. May be some disseminated pyrrhotite?						
93.7 - 94.1	Siltstone with slightly brecciated quartz vein to siltstone with scattered pink garnets, 2mm.						
94.1 - 94.5	10% argillite to 7.5cm siltstone with MnO ₂ spots at bottom contact						
94.5 - 94.9	70% argillite to siltstone with scattered pink garnets, only 6 or 7 about 4mm diameter.						
	94.9: bedding at 80° to c. axis						
94.9 - 95.5	Massive argillite with few 1mm laminations						
	95.3: large mud clast						
	95.4: siltstone with "grains" MnO ₂						
	95.5: bedding at 85° to c. axis						
95.5 - 96.8	Argillite with irregular laminations, 1.5-1.3cm appear sheared around mud clast						
96.8 - 98.5	Banded argillite, 1" bands.						
	97.1 - 97.2: 5 cm siltstone + MnO ₂ or Fe						
	97.2 - 97.25: siltstone with few 0.5mm pink garnets						
98.5 - 100.1	30% argillite, massive						

DIAMOND DRILL RECORD

16

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 16 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51m

Logged By S.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	98.5 bedding at 80° to c-axis						
	98.6-100.1: massive siltstone with silty argillite and few pink garnets. Bedded at 85° to c-axis						
100.1 - 102.2	Thin beds argillite and siltstone.						
	101.2 - 100.45: 20cm argillite greenish-gray. 3cm lamin.						
	100.45 - 100.55: 7.5cm gray siltstone						
	100.55 - 100.6: 5cm lamin. argillite, greenish						
	100.6 - 100.8: 15cm siltstone with 2 or 3 pink garnets						
	100.8 - 100.9: 7.5cm massive argillite						
	100.9 - 101.1: siltstone with few pink garnets						
	101.1 - 101.2: 2.5cm argillite						
	101.2 - 101.5: 2.1cm siltstone with garnets, 4mm						
	101.5 - 101.7: 12.5cm argillite + 1/16" laminations						
	101.7 - 101.8: siltstone with patch MnO ₂ grain						
	101.8 - 102.1: laminated argillite, several, 15cm laminations biotite.						
	102.1 - 102.2: 7.5cm siltstone.						
102.2 - 104.5	PYRRHOTITE LAMINATIONS IN ARGILLITE						
	- laminations below siltstone						

DIAMOND DRILL RECORD

17

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 17 of 63

Lat. _____

Total Depth 610.57m

Section _____

Dep. _____

Logged By G.M.

Date Begun _____

Bearing _____

Claim _____

Date Finished _____

Elev. Collor _____

Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
102.2 - 104.5	Laminated argillite (laminations below siltstone and possibly above sulphides). At 102.7: pyrite or pyrrhotite along .6cm lamin; at 103.6: .3cm white argillite with trace pyrrhotite; at 103.8: .6cm irregular bands of pyrrhotite; at 103.6-103.65: band of tourmaline?, garnets, quartz (or albite)						
103.9-104.5	.06-1.3cm lamin. argillite. MnO ₂ spots at 104.5						
102.5	bedding at 81° to c axis						
104.5-105.1	SILTSTONE with PINK GARNETS						
104.5-105.1	Massive siltstone						
104.6-104.7	white carbonate, biotite, pink garnets						
104.8-105.0	white carbonate, pink garnets, bronze biotite						
105.1-106.4	"C" BAND - MANGANESE BIOTITE -						
105.1-106.4	Laminated argillite (laminations may be beds of argillite) .3cm laminated argillite - with greenish tinge due to finely disseminated marcasite (or Mn biotite - bronze colour).						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 18 of 63

Lat.

Total Depth 610.51 m

Section.

Dep.

Logged By. GMA

Date Begun.

Bearing.

Claim.

Date Finished.

Elev. Collar.

Core Size.

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	105.1: bedding at 84° to c-axis						
	105.5: mud clasts						
	105.8-105.9: vein or concretion white carbonate						
106.4-106.7	SILTSTONE -						
106.4-106.7	Massive siltstone - pink garnets 2-5mm						
106.7-107.9	LAMINATIONS						
106.7-107.9	Laminations:						
	106.7-106.8: 7.5cm lamin. argillite .3cm and 1.3cm						
	106.8-106.95: massive silty argillite with few pink garnets. Bedded at 80° to c-axis.						
	106.95-107.6: bands argillite, laminated with bronze-coloured mica (looks like sulphide)						
	107.6-107.7: 15cm argillaceous siltstone with pink garnets						
	107.7-107.9: finely laminated argillite and silty argillite.						
107.9-123.1	BANDED ARGILLITE and SILTSTONE						
107.9-108.6	Massive argillaceous siltstone with few garnets						
108.6-109.6	Bands argillite (2.5cm) and silty argillite (5.0cm)						
	From 109.3: massive siltstone scattered pink garnets - 4mm.						

DIAMOND DRILL RECORD

19

PROPERTY MT. MAHON

HOLE No. MM87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 19 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	109.1 : 2.5cm black may be tourmaline						
	359° : 1.3cm white carbonate and biotite						
109.6 - 110.1	Bands argillite - 5cm; From 109.7 : massive siltstone with only 1 or 2 grains						
110.1 - 110.4	Massive argillite. From 110.3 : massive siltstone, with carbonate, with clusters of MnO ₂						
110.4 - 110.9	Massive argillite and silty argillite; from 110.7 : massive siltstone						
110.9 - 111.3	Thin beds argillite to finely laminated. From 111.2 : 7.5cm siltstone						
111.3 - 111.6	Argillite, massive with few laminations. At 111.4 : 6mm bed fine grained black mafic rock with biotite concentrated at boundary. From 111.5 : 5cm siltstone						
111.6 - 112.0	Bands argillite 2.5-5cm; from 111.7 : massive siltstone						
	111.4-111.5 : band of white carbonate + biotite with 1 or 2 pink garnets						
112.0 - 113.0	Band of argillite, 5cm with few 1mm laminations. From 112.7 : massive siltstone with grains MnO ₂ and pink						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 20 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	garnets						
113.0 - 113.7	112.7 : bedding at 80° to c-axis Massive argillite. Massive siltstone from 113.1. Pink garnets in carbonate area from 113.4 - 113.5.						
113.7 - 114.2	Bands argillite 2.5-5cm, siltstone with white non-carbonate mineral (quartz granophyre?) or albite? and biotite.						
114.2 - 114.7	Massive argillite. 114.3-114.5: fine laminated argillite, 1mm. 114.5-114.7: massive siltstone with 12 pink garnets 1mm diameter						
114.7 - 116.7	Bands silty argillite (dark gray with 1mm white mineral - not carbonate - and scattered pyrrhotite grains) 115.1 - 115.9: finely laminated argillite 1-3mm. At 115.5, 5.0cm white quartz, carbonate and biotite + pink garnets. 115.9 - 116.7: massive siltstone with small, 1mm white crystals (albite??) and pink garnets						
116.7 - 117.4	Laminated argillite. 6cm or 5mm band - greenish-						

DIAMOND DRILL RECORD

21

PROPERTY MT MAHON

HOLE No. MM87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 21 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By GM

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	to massive siltstone and 4 or 5 pink garnets						
117.4 - 118.5	Laminated argillite to massive siltstone with 5 or 6 pink garnets (3mm)						
118.5 - 119.1	Laminated argillite, .3 to .6 cm						
	118.5-118.6 : siltstone						
	118.6-118.8 : laminated argillite .3 to .6 cm						
	118.8-119.1 : massive siltstone						
119.1 - 123.1	Finely laminated argillite .1cm, mostly .3cm with 1.3cm bands - fine argillite has slightly greenish tinge to gray as if marcasite?						
	Bands of siltstone, usually 2.5 to 5 cm.						
	120.4-123.1 : mostly massive siltstone with 3mm pink garnets and minor bands of argillite.						
	Veins, at 122.2-122.3 and 123.9-124.2, of white quartz, biotite and pink garnet						
123.1-127.6	RIP-UP CLASTS						
123.1-127.6	Laminated argillite - laminations emphasized by finely dissem. biotite (.3cm-2.5cm) Local coating of marcasite along joint planes. Some bands silty argillite or argillaceous						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 22 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	siltstone.						
	123.5: rip-up clasts or mud flakes						
	123.6-123.7: white quartz carbonate + biotite + pink garnets with trace pyrrhotite, 1 mm specks.						
	124.4: rip-up clasts or mud flakes						
	126.2: bedding at 78° to c. axis						
	126.7-126.8: argillaceous siltstone + pink garnets + quartz						
127.6-136.9	ARGILLITE and SILTSTONE						
127.6 - 128.9	Massive silty argillite						
	127.7-128.3 siltstone + grains white carbonate + coarse pink garnets						
	128.3-128.9: massive silty argillite to siltstone						
128.9-132.1	Bands of argillite and massive silty argillite. Fine laminated greenish argillite						
	129.0-129.5: massive argillaceous siltstone + few garnets						
	129.5-129.8: massive argillite to argillaceous siltstone						
	129.8-130.2: argillite with few 6cm laminations. At						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 23 of 63

Lat.

Total Depth 610.51

Section.

Dep.

Logged By G.M.

Date Begun.

Bearing.

Claim.

Date Finished.

Elev. Collar.

Core Size.

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	130.1: 1.3 cm quartz-biotite-garnet vein						
	130.2-131.6: bands laminated greenish argillite						
	131.6-131.8: massive silty argillite						
	131.8-132.1: argillaceous siltstone to siltstone + MnO ₂						
132.1 - 133.9	Finely laminated argillite, 1-2 mm, with bands of silty argillite. Local black tourmalinized siltstone + garnets						
	133.2: vein of quartz-carbonate, biotite + pink garnets (Friedelite)						
	133.7: white argillite mud clast - unusual composition for clast						
133.9 - 134.4	Laminated argillite. From 134.0: massive argillaceous siltstone - massive siltstone with tabular carbonate crystals, also 1.3 cm quartz-biotite and scattered pink garnets 3 mm.						
134.4 - 135.7	Beds of banded argillite 1.3 cm and silty argillite. From 135.4: massive siltstone with few pink garnets						
135.7 - 136.1	Laminated argillite, 1-4 mm; from 135.8: siltstone						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 24 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	with scattered crystals pink garnet, 3 mm.						
136.1 - 136.4	Laminated argillite to siltstone						
136.4 - 136.9	Band argillite, 1.3 cm, to massive gray siltstone						
136.9 - 138.7	TOURMALINIZED SILTSTONE						
136.9 - 138.7	Black tourmalinized siltstone						
138.7 - 152.6	ARGILLITE + SILTSTONE + PINK GARNETS						
138.7 - 139.6	Argillite, vague laminations to massive silty argillite. From 139.1: massive argillaceous siltstone + pink garnets						
139.6 - 140.5	Bands argillite to massive silty argillite.						
	140.0 - 140.1: carbonate-rich argillaceous siltstone with pink garnets, 3 mm						
	140.1 - 140.5: massive argillaceous siltstone with few pink garnets						
140.5 - 141.4	Bands laminated greenish gray argillite and silty argillite. At 141.2: siltstone with patch white carbonate + biotite + pink garnets.						
141.4 - 141.9	Unusual brownish laminated argillite to siltstone to argillite. From 141.6 siltstone with 1.3 cm band quartz-biotite-carbonate + few pink garnets						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 25 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	141.4: bedding at 80° to c. axis						
141.9 - 142.6	Argillite to brownish carbonate rock						
	142.2: 1.3 cm band white carbonate						
	142.3: 1.3 cm band white carbonate						
	142.4: 1.3 cm white carbonate						
	142.5: 0.3 cm laminated argillite						
142.6 - 142.7	Fault Crush Zone - minor displacement, at 80° to c. axis						
142.7 - 146.0	Argillite with few fine laminations						
	143.3-143.4 quartz + pink garnets + biotite						
	143.4-144.1: bands massive argillite + laminated greenish argillite. At 143.9: 5 cm white quartz + band of soft ochreous crystals - limonite or ZnS with MnO ₂						
	144.1 - 145.0. MnO ₂ + traces of pyrite + chalcopyrite						
	145.0-145.5: minor white carbonate + dissem. biotite with trace MnO ₂						
	145.5-146.0: massive siltstone						
146.0 - 146.6	Argillite with few laminations to massive siltstone						
146.6 - 147.2	Massive argillite to massive siltstone with few						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 26 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By SM

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	spots MnO ₂ at 147.1						
147.2-147.6	Argillite to massive siltstone with 4 or 5 pink garnets - small specks white carbonate						
147.6-148.5	Laminated argillite with local slump. From 148.4. 2.0cm quartz-carbonate + biotite + garnets, to massive siltstone						
148.2-150.5	Laminated argillite: 1mm laminations to 5.0cm bands						
	149.0-149.05: two bedding quartz-biotite + few pink garnets + chlorite cluster						
	148.6: bedding at 80° to c. axis						
	150.1-150.5: massive siltstone (note the pink garnets occur 150.3-150.4 in area where siltstone contains disseminated carbonate. This is similar to "Thin-bedded Footwall" 1000ft-2000ft below "Vein Zone" in 42176XCh. The Mn (friedelite) is part of the carbonate						
	150.1: bedding at 83° to c. axis						
150.5-152.6	Laminated argillite (1mm lamin to 2cm bands) to massive siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 27 of 63

Section.....

Date Begun.....

Date Finished.....

Lot.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
152.6-154.2	LAMIN. ARGILLITE - SLUMP BRECCIA						
152.6-154.2	Laminated argillite with coarse slump breccia from 153.5-153.9. From 154.0: massive siltstone						
154.2-154.8	Laminated greenish gray with white specks of argillite. From 154.4: massive siltstone						
154.2-164.4	THIN ARGILLITE AND SILTSTONE						
154.8-157.7	Argillite to silty argillite to siltstone. 154.8: bedding at 66° to c-axis. 154.9-155.6: 1.3cm wide quartz-biotite vein (also rusty water course)						
	156.6-156.7: laminated argillite, out of place						
	157.6-157.7: black, hard, tourmalinized rock with pink garnets						
	157.7-157.75: white quartz with clustered chlorite						
	157.75-157.9: fine, black hardened siliceous rock with few pink garnets. Bedding at 80° to c-axis.						
157.7-159.3	Laminated argillite, greenish; argillite lenses from shearing along bedding.						
	158.85-158.9: siltstone						
	158.9-159.0: white quartz-carbonate + pink garnets, 2mm, + biotite clusters, 5mm.						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 28 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 m

Logged By Gm.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	159.0-159.4: fissure vein; garnets along wall.						
159.3-162.3	Thin beds argillite and silty argillite or siltstone						
	159.3-159.5: soft greenish argillite						
	159.5-159.6: massive siltstone						
	159.6-160.0: greenish-brown argillite to silty argillite						
	160.0-160.1: siltstone						
	160.1-160.3: argillite						
	160.3-160.5: argillite to siltstone						
	160.5-160.8: laminated fine argillite to siltstone						
	160.8-161.0: laminated argillite to siltstone						
	161.0-161.2: argillite to siltstone						
	161.2-161.4: argillite, massive + laminated						
162.3-164.4	Laminated greenish gray argillite to massive siltstone with few 2mm garnets. From						
	163.7: siltstone with irregular bleach zones along joint planes.						
	164.4: Fault plane at 15° to c. axis						
164.4-184.1	BROKEN FAULT ZONE						
164.4-164.5	Soft green chloritic fault gouge						
164.5-164.8	Brown biotite with pink garnets (friedelite), 9mm - Soft, powdery, smeared along fault plane						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 29 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
164.8 - 168.3	massive siltstone with 5 to 7.5 cm band of biotite along core with 10 mm soft, pink garnets (origin: Fe concretions metamorphosed to biotite??)						
168.3 - 168.5	Soft gouge						
168.5 - 169.2	Laminated argillite to soft greenish gray argillite (or fault) at 32° to c. axis.						
169.2 - 173.1	Soft "Broken Ground"						
	169.2 - 169.9: angular piece of argillite						
	169.9: slickensides on fault plane, at 40° to c. axis						
	169.9 - 172.2: soft greenish fine grained chloritic rock (may be crushed igneous dyke rock) - diorite?						
	172.2 - 172.25: breccia of chloritic rock - diorite						
	172.25: fault plane at 50° to c. axis						
	172.25 - 172.3: argillite						
	172.3 - 173.1: breccia 1/4" angular fragments with rusty gouge matrix.						
173.1 - 174.7	(Broken ground continues) laminated argillite to siltstone						
	174.0: bedding at 75° to c. axis						
	174.2 - 174.3: soft powdery decomposed argillite						
	174.3 - 174.65: laminated argillite						
	174.65 - 174.7: soft powdery rock or cutting.						

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HOLE No. MM 87-1

Hole No. MM87-1 Sheet No. 30 of 63

Lot. _____

Total Depth 610.51m

Section.....

Dep. _____

Logged By G.M.

Date Begun.....

Bearing.....

Claim _____

Date Finished _____

Elev. Collar.....

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
174.7 - 178.4	Argillite (broken). 175.25-175.3: coarse grain biotite-garnet, dioritic-looking rock or a concretion 175.3: bedding at 70° to c. axis 175.3-175.8: massive argillite with faint laminations 175.65: bedding at 80° to c. axis 175.8-176.2: broken porous argillite with 10% biotite 176.2-176.6: massive argillite with trace biotite 176.6-176.7: massive siltstone with 5-7.5cm quartz + pink garnets 176.7-178.0: massive argillite with local broken zones of mica; 3cm vein of pyrite 178.0-178.4: massive argillaceous siltstone to siltstone At 178.0: quartz + pink garnets. 178.4: bedding at 85° to c. axis						
178.4 - 179.8	Massive argillite 178.7-179.0: massive silty argillite to argillaceous siltstone 179.0-179.5: laminated argillite to silty argillite 179.5-179.8: massive siltstone (with 2mm pink garnets or Mc Gillite-friedelite).						
179.8 - 180.9	Massive argillite. At 179.9: large argillite mud flake or clast						

DIAMOND DRILL RECORD

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PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 31 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	180.3-180.6 massive siltstone						
	180.6-180.7: pink garnets in siltstone						
	180.7-180.9: massive siltstone						
180.9-181.3	Laminated argillite						
	181.0-181.1 : siltstone with dissem. biotite						
	181.1-181.3 : argillite						
181.3	Fault plane at 20° to c.axis; dendritic MnO ₂ on plane						
181.3-181.4	Massive siltstone, white quartz parallel to bedding with pink garnets.						
181.4-182.6	Argillite with bands of silty argillite						
	181.7-182.6 massive siltstone; concretion of argillite from 182.2-182.3 with rusty limonitic specks, 1mm)						
182.6-183.7	Argillite and silty argillite bands						
	183.65: bedding at 80° to c.axis						
	183.7 : fault plane at 35° to c.axis						
183.7-184.1	Broken ground - mud + breccia fragments. Fault plane at 25° to c.axis						
184.1-184.3	FAULT ZONE - GRAPHITIC GOUGE						
184.1-184.25	Argillite						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 32 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
184.25-184.3	Fault plane at 57° to c.axis - graphitic gouge						
184.3-200.6	THIN-BEDDED ARGILLITE AND SILTSTONE + PINK GARNETS						
184.3-185.0	Laminated argillite, with a local band of siltstone with several 1mm pink garnets						
185.0-185.9	Laminated argillite - fine laminations - to siltstone						
185.9-188.5	Alternating bands of argillite and siltstone; siltstone commonly hosts pink garnets						
188.5-191.1	Banded argillite (1.3 cm. bands common)						
	189.1 mud clast or shearing along bedding, bedding at 82° to c.axis						
191.1-192.3	Massive siltstone with two narrow bands of argillite						
192.3-192.6	Massive argillite to siltstone						
192.6-193.5	Banded argillite to siltstone						
193.5-195.2	Argillite						
	193.6-193.7: white carbonate vein + biotite + pink garnets						
	193.7-193.75: argillite						
	193.75-195.2 massive siltstone to quartz with biotite						

DIAMOND DRILL RECORD

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PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 33 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
195.2-196.2	Bands of argillite, silty argillite and argillaceous siltstone to siltstone						
196.2-197.4	Band of argillite						
	197.2-197.4: massive siltstone, with scattered small pink garnets 2mm, with two bands of argillite						
	197.0: bedding at 86° to c-axis						
197.4-198.7	Bands argillite and silty argillite to siltstone						
198.7-199.6	Argillite to siltstone with some local bleaching						
199.6-200.4	Massive argillite to siltstone with pink garnets 5 mm diameter						
200.4-200.8	Argillite						
200.8-212.4	DIORITE - PURCELL INTRUSIVE						
200.8-212.4	Fine-grained diorite; upper contact with argillite at 34° to c. axis						
	210.9-211.0: argillite inclusion or xenolith						
212.4-212.75	Argillite - broken ground; fragments of bleached argillite						
212.4-276.2	ARGILLITE + SILTSTONE WITH CONCRETIONS						
212.75-213.1	Argillite to siltstone with scattered pink garnets, 3mm.						

DIAMOND DRILL RECORD

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PROPERTY MT MAHON

HOLE No. MM87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 34 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By Gm.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
213.1-213.9	Argillite to massive siltstone with a patch of white carbonate, brown silicate, pink garnets and black MnO ₂ from 213.8 - 213.85						
213.9-214.6	Beds of argillite and silty argillite to siltstone						
214.6 - 214.8	Argillite to siltstone with concretions of gray carbon + pink garnet + black MnO ₂						
214.8-216.3	Banded and laminated argillite and silty argillite with white specks less than 0.5 mm. From 215.3 : massive siltstone with pink garnets						
216.3-216.7	Argillite to siltstone with garnets						
216.7-218.3	Bands argillite with laminations; minor silty argillite or argillaceous siltstone. From 218.1: massive siltstone with 2mm pink garnets. At 217.7; bedding at 80° to c. axis						
218.3-218.7	Argillite to siltstone to argillite						
218.7-219.0	Bands argillite and silty argillite. From 218.7 siltstone with white carbonate concretion from 218.0-218.85						
219.0-219.5	Argillite alternating with siltstone						
	219.1: bedding at 80° to c. axis						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 35 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
219.5-219.6	Argillite to siltstone						
219.6-221.4	Banded argillite (1.3cm) and silty argillite (1.3-3.75cm)						
	220.9-221.0: massive siltstone + garnets						
	221.0-221.2: argillite						
	221.2-221.4: siltstone with carbonate-biotite-garnet (3mm) concretion.						
	220.6: bedding at 78° to c-axis						
221.4-222.8	Banded argillite (1.3-2.5cm) and silty argillite (5-7.5cm)						
	From 222.6: siltstone with coarse (4mm) pink garnets (friedellite).						
222.8-223.4	Banded argillite (1.3cm) and silty argillite (5.0cm) to siltstone with 2mm pink garnets						
	223.4: bedding at 78° to c-axis						
223.4-224.9	Banded argillite (1.3cm) and silty argillite (2.5cm) to massive siltstone with edge of a large concretion from 224.1-224.6						
224.9-225.6	Argillite to massive siltstone with pink garnets						
225.6-226.0	Argillite to siltstone						
226.0-226.6	Banded argillite, finely laminated with silty argillite, to siltstone						
226.6-227.1	Finely laminated argillite with slump folds to						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM87-1 Sheet No. 36 of 63

Lat.

Total Depth 610.51 m

Section

Dep.

Logged By Gm

Date Begun

Bearing

Claim

Date Finished

Elev. Collar

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	massive siltstone						
227.1 - 227.8	Massive argillite to siltstone - At 227.3 : black tourmaline						
227.8 - 228.1	Bedded argillite to siltstone with a concretion at 228.1 : Biotite + garnets in siltstone						
228.1 - 229.0	Banded argillite and silty argillite to siltstone						
229.0 - 229.3	Massive argillite to massive siltstone						
229.3 - 229.7	Argillite with some biotite laminations, 1mm, to siltstone with two concretions						
	229.45-229.5: concretion: white carbonate with biotite and garnet						
	229.56-229.66: concretion: white carbonate and biotite						
	229.5: bedding at 87° to c. axis						
229.7 - 232.5	Bands laminated argillite to silty argillite with shear lense argillite clast						
	230.5-230.7: siltstone						
	230.7-232.2: argillite band, some finer laminations						
	232.2-232.6: massive siltstone with dissem. pyrrhotite (0.5mm grains) with a concretion from 232.4-232.5 with carbonate						

DIAMOND DRILL RECORD

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PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 37 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By Gm.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	centre + biotite + 3mm garnet						
232.5-232.7	Argillite to massive siltstone						
232.7-233.2	Laminated argillite to siltstone. At 230.0: fine pink garnets < 1mm						
233.2-233.4	Bands argillite to siltstone with fine 2mm garnets from 233.3-233.4						
233.4-234.5	Banded argillite, some laminations, to silty argillite.						
	234.4: siltstone + disseminated pyrite (40.5mm)						
234.5-234.7	Laminated argillite to massive siltstone						
234.7-235.8	Banded argillite, some well laminated, to siltstone with dissem. pyrite or pyrrhotite, 40.5mm specks						
	234.7: bedding at 85° to c. axis						
235.8-237.2	Laminated (2mm) argillite with mudclasts at 236.5						
	236.5: bedding at 88° to c. axis						
	236.8: siltstone with concretion with biotite and garnet from 236.7-237.1						
237.2-237.7	Bands argillite to siltstone + 2mm garnet						
237.7-239.1	Bands argillite and silty argillite to siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 38 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By Gm

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	with mottled white texture, not carbonate						
	238.9-239.0 concretion of carbonate and garnet + biotite						
239.1-239.8	Band of argillite and silty argillite, to siltstone						
239.8-240.4	Well laminated argillite to siltstone with 2mm garnets						
240.4-241.0	Beds argillite to massive siltstone with 2mm garnets and mottled texture.						
241.0-241.4	240.4 bedding at 83° to c. axis. Laminated argillite to silty argillite to massive siltstone						
241.4-241.9	Argillite to massive siltstone with fine white specks and 1.3cm band of quartz biotite						
241.9-242.0	Argillite to massive siltstone						
	242.0 bedding at 75° to c. axis						
242.0-242.3	Argillite to siltstone						
242.3-242.7	Argillite to siltstone with white specks						
242.7-243.8	Bedded argillite and silty argillite with concretions of varying composition						
	243.1: massive siltstone with 1.3cm bands of argillite.						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 39 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 mLogged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	243.6-243.7: patch of pink garnets (2mm)						
243.8-245.1	Banded argillite; 1.3cm. band with scattered 1mm biotite laminations (PROTO ORE BAND - pyrrhotite + copper + cobalt?)						
	244.37-244.45: argillite band, 1 cm, with streaks of pyrrhotite and a few blebs chalcopryrite						
	244.5: trace chalcopryrite						
	244.7: pyrrhotite + bleb chalcopryrite						
	244.8: bedding at 80° to c. axis						
	803 ⁺ -804 ⁺ : massive siltstone						
245.1-246.15	Laminated and banded argillite with traces of pyrrhotite and Cu at 245.5						
	245.1: bedding at 85° to c. axis						
	245.8-246.1: siltstone with 4mm pink garnet						
	246.1: gray carbonate con.						
246.15-247.3	Argillite to massive siltstone						
	246.2-246.25: gray limestone concretion						
	246.3: 1.3cm argillite						
	246.8: two concretions						
247.3-248.0	Argillite to massive siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

[illegible]

Hole No. MM07-1 Sheet No. 40 of 63

Section _____

Date Begun.....

Date Finished.....

Lat. _____

Dep. _____

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.W.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
248.0 - 248.3	Argillite and siltstone bands						
	248.1: bedding at 80° to c. axis						
248.3 - 249.3	Laminated argillite to massive siltstone						
	248.85-248.9: patches grayish white carbonate						
249.3 - 250.4	Argillite to massive siltstone						
	250.2-250.25: about 10 pink, 4mm, garnets						
250.4 - 250.8	Argillite, laminated to massive, to massive siltstone						
	250.6-250.7: scattered pink garnets (4mm)						
250.8 - 251.3	Laminated argillite to massive silty argillite						
	251.0-251.3: massive siltstone with large concretion with patchy biotite + garnet + carbonate ± pyrrhotite.						
	(concretion specimen for thin-section to see if Mn present in biotite, garnet or carbonate)						
251.3 - 251.6	Argillite finely laminated, 1mm, and bands of silty argillite						
	251.46-251.6: massive siltstone						
251.6 - 251.9	Argillite, finely laminated (1mm) to massive siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 41 of 63

Lat.

Total Depth 610.51 m

Section.

Dep.

Logged By G.M.

Date Begun.

Bearing.

Claim.

Date Finished.

Elev. Collar.

Core Size.

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
251.9-252.1	Argillite to siltstone at 251.9 with large concretion of carbonate, biotite, whitish-pink garnets and quartz						
252.1-252.6	Laminated argillite to massive siltstone						
	252.25-252.3 quartz, biotite and garnets near joint						
	252.45-252.5 coarse pink garnet						
252.6-253.3	Bands argillite, finely laminated, and silty argillite						
	253.1-253.2 massive siltstone with 2.5-5.0 cm concretion: carbonate center rimmed by biotite then 1mm garnet						
253.3-254.3	Bands argillite, finely laminated .3cm to 1.3 cm						
	253.3-253.5 Possibly Varve-Type Laminated Marker						
	254.2-254.25 siltstone						
	254.2: bedding at 86° to c. axis						
254.3-255.1	Bands argillite and silty argillite to massive siltstone. Concretion from 255.0-255.2						
	254.9: bedding at 88° to c. axis						
255.1-255.5	Argillite to siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 42 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By GM

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
255.5-256.6	Finely laminated argillite (1mm) to massive siltstone						
	255.9-255.95 dark bands look like tourmalinization						
256.6-257.8	Bands argillite, 1mm laminations, and silty argillite to massive siltstone with 4mm garnets - probably outside rim of a concretion						
	257.6 bedding at 88° to c axis						
257.8-258.3	Argillite, finely laminated to massive siltstone with a dozen fine garnets, 2mm, from 258.1-258.2						
258.3-258.6	Argillite to massive siltstone						
258.6-258.8	Argillite to massive siltstone						
258.8-260.2	Argillite, fine laminations (1mm), and massive silty argillite						
	258.9 bedding at 85° to c axis						
	259.4: black biotite or graphite colouring of Varve Marker - not fine-grained Fe??						
	259.8-260.2 massive siltstone with 1mm garnet						
260.2-260.8	Argillite to massive siltstone						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 43 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 mLogged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
260.8-261.2	Argillite to massive siltstone						
261.2-261.6	Argillite with biotite flakes to massive siltstone						
261.6-261.7	Massive argillite to massive siltstone						
261.7-261.8	Laminated argillite (1mm) to massive siltstone						
261.8-262.4	Argillite with sheared, irregular laminations to massive siltstone						
262.4-262.6	Massive argillite with biotite, to massive siltstone with irregular outlined concretions						
	Concretions of quartz, biotite and pink garnets						
262.6-264.2	Bands of argillite and silty argillite to massive siltstone with clusters of pink garnets						
264.2-265.1	Argillite, laminated 2-3mm to massive siltstone with small pink garnets (1mm)						
265.1-265.5	Argillite to siltstone						
265.5-265.6	Argillite to siltstone with area of fine pink garnets						
265.6-266.1	Bands argillite and silty argillite to siltstone with pink garnets from 265.85-265.95						
266.1-266.3	Argillite to siltstone						
266.3-267.2	Banded argillite and silty argillite; minor small						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 44 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	0.3 cm angular argillite clasts and shards;						
	266.8-267.2: siltstone with a concretion of quartz,						
	biotite, garnet and carbonate. Scattered						
	garnets to 267.0						
267.2-267.6	Bedded argillite and silty argillite to siltstone.						
	267.5: concretion, 1.3 cm, of quartz, small garnets						
	(< 1 mm), biotite with specks of sulphide;						
	either pyrrhotite or chalcopyrite						
267.6-268.2	Bedded argillite to siltstone						
268.2-268.3	Bedded argillite with trace pyrite or chalcop-						
	pyrite						
268.3-269.0	Band argillite, 1.3 cm, to massive siltstone						
Note :	269.0-275.2: Argillite beds are light tan in						
	colour instead of gray						
269.0-269.8	Banded argillite and silty argillite; argillite						
	finely laminated, to tan-coloured siltstone						
	269.4-269.5: concretion of quartz, biotite and						
	few pink garnets						
	269.4: bedding at 85° to c. axis						
269.8-272.0	Banded laminated argillite and silty argillite						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 46 of 63

Section

Date Begun

Date Finished

Lot

Dep.

Bearing

Elev. Collar

Total Depth 610.51 m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
274.9-275.5	Bands of argillite, 1.3cm white and brown with traces of pyrrhotite or pyrite						
275.4	Siltstone, cross-bedded, trace pyrite; bedding at 85° to c. axis						
275.5-276.2	Banded argillite, 1cm bands with biotite developed						
276.0	massive siltstone						
276.2-278.7	BANDED BLACK-WHITE ARGILLITE WITH TOURMALINE						
276.2-278.7	Banded black and white argillite and silty argillite and argillaceous siltstone in 1cm bands. Both black and white bands are hardened and at 276.9, 1cm band black argillite appears to be replaced by tourmaline crystals 1mm in diameter						
276.9-277.1	thin section						
278.1	siltstone with large concretion						
278.4	massive pink garnets + pyrrhotite and spotty chalcopryite						
278.7-279.5	Laminated and banded argillite to massive siltstone, from 279.2, with 1mm specks						

278.7-420.0 BANDED ARGILL-SILTSTONE WITH CONCRETIONS

DIAMOND DRILL RECORD

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PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 47 of 63

Lat.

Total Depth 610.51 m

Section

Dep.

Logged By G.M.

Date Begun

Bearing

Claim

Date Finished

Elev. Collar

Core Size

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	of carbonate with 3mm pink garnets.						
	One or two garnets replaced by pyrrhotite						
279.5 - 280.4	Bands argillite and silty argillite to siltstone						
	279.5: bedding at 85° to c. axis						
	279.9: fault or joint plane at 40° to core axis						
	280.2 - 280.4: massive siltstone						
280.4 - 281.3	Bands argillite and silty argillite, 1 cm bands,						
	280.7 - 281.1: massive siltstone; concretion of						
	carbonate, biotite + 1 mm garnet						
281.3 - 283.2	Bands of argillite (1/2") and silty argillite with						
	slump fragments. Traces pyrrhotite along						
	laminations at 281.97 and at 282.5						
	282.9 - 283.2: massive siltstone with large						
	concretion - 2 cm diam.						
283.2 - 283.9	Bands-lamin. argillite 0.6 - 1.3 cm with biotite and						
	silty argillite. At 283.5: white crystals and						
	muscovite						
	283.6 - 283.9: massive siltstone with scattered						
	pink, 3 mm garnets from 283.6 - 283.7						
283.9 - 284.8	Banded argillite with concretion from 284.3 -						
	284.4. From 284.3: siltstone with irregular						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 48 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	white carbonate crystals and trace muscovite						
284.8-285.7	Argillite to massive siltstone with 1mm white crystals (not carbonate) and few 1mm pink garnets						
285.7-286.3	Argillite bands (+ biotite) + contorted bands of 100% biotite						
	285.8: siltstone with a quartz+biotite+ garnet concretion						
286.3-288.8	Bands argillite and silty argillite rich in biotite and a zone of biotite - 1cm wide.						
	288.4: siltstone with pink garnets; bedding at 85° to core axis.						
288.8-289.0	Argillite to siltstone						
289.0-289.3	Laminated argillite to siltstone						
289.3-290.1	Bands of laminated argillite to siltstone. Concretion from 289.8-290.0 with a carbonate centre with 4mm garnets and a few 1mm garnets around rim.						
290.1-290.7	Bands argillite and silty argillite with "biotite-bed"						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM87-1

[illegible]

Hole No. MM87-1 Sheet No. 49 of 63

Lat. _____

Total Depth 610.51 m

Section _____

Dep. _____

Logged By Gw

Date Begun.....

Bearing

Claim

Date Finished.....

Elev. Collar.....

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	from 290.6-291.3						
	290.5: siltstone with few scattered pink garnets, 3mm diam.						
290.7-291.6	Argillite to siltstone with several small garnets						
291.6-293.5	Band of dark argillite, 1cm, with rounded argillite clasts. From 292.7: siltstone with irregular patches gray carbonate with scattered garnets 2-4mm						
293.5-293.8	Bedded argillite to siltstone						
293.8-294.5	Bedded argillite to siltstone with garnets						
	294.1-294.5: siliceous concretions						
	294.5: bedding at 72° to c-axis						
294.5-295.2	Bedded argillite to siltstone with garnets						
→ 295.2-297.0	Argillite and siltstone interbedded with concretions in siltstone of quartz-biotite-garnet, and gray carbonate-biotite-garnet.						
→ 297.0-301.2	Thin beds of argillite and siltstone interbedded. Bedding at 80° to c-axis						
301.2-301.5	Siltstone with adjoining concretions from 301.3-301.7						
301.5-302.3	Bands of laminated argillite and siltstone to						

DIAMOND DRILL RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 50 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	siltstone with garnets and a concretion of biotite and pyrrhotite rim						
302.3-302.7	Argillite to siltstone						
302.7-303.0	Argillite to siltstone with faint concretion outline.						
	302.8-303.0: 2mm pink garnets						
303.0-305.3	Banded argillite, 0.6-1.3cm, with interbedded argillaceous siltstone and pink garnets						
305.3-306.1	Band of argillite.						
	305.5: 0.9cm cross-cutting veinlet brown biotite						
	305.7: argillaceous siltstone + pyrrhotite + chalcopyrite streak about 2mm wide						
	305.9-306.0: Concretion with silicified core followed by biotite and garnet and rimmed by pyrrhotite and chalcopyrite						
306.1-308.6	Laminated argillite to siltstone with veinlet infilling along joints of chalcopyrite and pyrrhotite						
	307.0-307.3: bleaching with few small garnets						
	306.3: bedding at 90° to c-axis						

DIAMOND DRILL RECORD

51

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 51 of 63

Lat. _____

Total Depth 610.51 m

Section _____

Dep. _____

Logged By GM

Date Begun _____

Bearing _____

Claim _____

Date Finished _____

Elev. Collar _____

Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
308.6-309.4	Bands of argillite and silty argillite to siltstone with large 4mm garnets						
309.4-309.9	Argillite laminated to siltstone (with carbonate and muscovite + few garnets)						
309.9-312.4	Thin beds of argillite and silty argillite and siltstone						
	310.1-310.4: siltstone with few garnets						
	310.4-310.5: band siltstone and silty argillite						
	310.5-310.8: siltstone with 3mm garnets						
	310.8-311.0: argillite and silty argillite						
	311.0-312.4: interbedded siltstone, argillite, silty argillite with few 3mm garnets in siltstone						
	310.5: bedding at 76° to c. axis						
312.4-313.6	Massive siltstone with two concretions: carbonate core surrounded by biotite and rimmed by garnet; biotite and pyrrhotite in center of concretion from 313.1-313.2m.						
313.6-314.1	Bedded argillite to siltstone						
314.1-314.6	Argillite to siltstone, concretion in siltstone						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 52 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By GM

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	from 314.7-314.8						
314.6-315.1	Argillite to siltstone with 0.4ft concretion; concretion: quartz-carbonate + garnet + graphic intergrowth, trace pyrrhotite in concretion						
315.1-315.7	Argillite to siltstone with concretion with pyrrhotite and garnets around rim						
315.7-316.4	Argillite - crumpled slump folds - to siltstone with concretions and garnets						
	316.2: bedding at 90° to c-axis						
316.4-317.0	Laminated argillite with trace pyrrhotite and chalcopyrite at 316.8						
	316.5-317.0: siltstone with bands, mottled and granular texture						
317.0-317.5	Argillite to siltstone with 10cm concretion: centre pyrrhotite + biotite, rim biotite + garnet						
	317.5: bedding at 82° to c-axis						
317.5-318.0	Bands of argillite to massive siltstone with narrow argillite bands						
318.0-318.2	Argillite to siltstone						

DIAMOND DRILL RECORD

PROPERTY MT MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 53 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 mLogged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
318.2-318.5	Argillite to siltstone						
	318.5: bedding at 90° to c. axis						
318.5-318.7	Argillite to siltstone						
318.7-319.8	Argillite to siltstone with pink garnets at 319.1.						
	319.4-319.8: 0.6 cm vein at 25° to core axis with pink garnets developed in quartz						
319.8-320.9	Argillite in bands to siltstone with granular texture and locally scattered 1 mm pink garnets.						
320.9-322.1	Argillite to dark-coloured siltstone with fine granular texture, biotite + 1 mm crystals (feldspar?); fine garnets less than 1 mm.						
322.1-322.5	Argillite bands to siltstone						
322.5-323.0	Argillite to siltstone with concretion: biotite core with few grains pyrrhotite and chalcopyrite, rim 0.3 cm of white argillite.						
	323.0: bedding at 80° to c. axis						
323.0-323.5	Bands argillite to siltstone with pink garnets and quartz						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 54 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.M.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
323.5- 323.9	Bands argillite to siltstone with fine 1mm pink garnets						
	323.9: bedding at 85° to c-axis						
323.9- 324.0	Argillite to siltstone with 1mm pink garnets						
324.0-325.3	Argillite bands-gray and greenish speckles - to siltstone with an irregular concretions of quartz + biotite + garnets						
	324.9: bedding at 80° to c-axis						
325.3- 325.7	Argillite bands-gray and greenish speckles to siltstone						
325.7- 326.2	Argillite in 0.15cm bands to massive siltstone						
326.2- 327.0	Massive argillite and silty argillite to massive siltstone to massive silty argillite with argillite clast surrounded by biotite halo.						
327.0- 327.4	Banded argillite to siltstone						
327.4- 329.0	Argillite and silty argillite (15-30cm)						
	328.0: 0.6cm band coarse quartz grain, 0.5mm in argillite matrix						
329.0- 330.0	Banded argillite to massive siltstone, alternating, siltstone with garnets + gray granular rocks						
330.0- 330.3	Argillite to siltstone						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 55 of 63

Lot.

Total Depth 610.51 m

Section.

Dep.

Logged By Gm

Date Begun.

Bearing.

Claim.

Date Finished.

Elev. Collar.

Core Size.

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
330.3 - 330.6	Laminated argillite to siltstone						
330.6 - 331.3	Laminated argillite and silty argillite to siltstone with concretion						
331.3 - 332.4	Argillite to siltstone; 5cm concretion at 331.6 m.						
332.4 - 332.7	Argillite to siltstone; 7.5cm concretion at 332.5m.						
332.7 - 333.8	Argillite to silty argillite : concretion, 5cm, in silty argillite at 332.5; concretion of quartz + biotite + carbonate at 333.6m						
333.8 - 334.3	Irregular band of greenish-gray argillite to siltstone with mottled white crystals						
334.3 - 334.9	Argillite to siltstone						
334.9 - 335.5	Argillite with shard of small amphibole crystals						
335.5 - 337.3	Bedded argillite and silty argillite to massive siltstone						
337.3 - 338.5	Argillite and silty argillite to siltstone						
	337.7: bedding at 82° to c. axis						
338.5 - 339.2	Argillite to siltstone						
339.2 - 340.2	Bedded argillite and silty argillite to siltstone						
340.2 - 342.6	Argillite and silty argillite beds						
	341.1: 4mm pyrrhotite band at 60° to c. axis						
	342.3 - 342.6: siltstone with concretion.						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM 87-1 Sheet No. 56 of 63

Section.....

Date Begun.....

Date Finished.....

Lot.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By GM

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
342.6-343.5	Argillite band to siltstone						
343.5-343.7	Argillite to siltstone; 4mm vein at 343.7m						
343.7-346.1	Band argillite and silty argillite to siltstone						
346.1-371.9	Argillite to siltstone						
	346.9: pyrrhotite rimmed concretion						
	347.3: bedding at 85° to c.axis						
	349.4-349.5: carbonate concretion						
	350.6: 5 cm quartz-biotite concretion						
	350.8: biotite? concretion						
	351.0: quartz-biotite concretion						
	351.1: argillite concretion + biotite						
	351.3: quartz-biotite concretion						
	352.1: white chalcedony quartz + 2.5 cm chlorite						
371.9-374.9	Argillite-massive, fine-grained, brown with zone of pink garnet from 371.9-372.2m						
374.9-420.0	Sediments; concretions at 3871.1, 393.2, 396.2 and 415.4						
420°-429.0	DIORITE - PURCELL INTRUSIVE						
420.0-429.0	Diorite or Gabbro Sill - greenish colour due to amphiboles						
	420.0-421.5: fine grained 40.1mm						

HOLE No. MM 87-1

Hole No. MM 87-1 Sheet No. 57 of 63

Section.

Date Begun.

Date Finished.

Lot.....

Dep. _____

Bearing

Elev. Collor.....

Total Depth... 610.51 m

Logged By G.M.

Claim _____

Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE					
	421.5-427.6: medium grained, 5mm; 60% amphibole, 20-30% feldspar							
	427.6-429.0: coarse grained, 1cm feldspar increasing to 2cm							
429.0-467.9	GRANOPHYRE							
429.0-467.9	Granophyre - whitish colour with dissem. biotite (no amphibole); 70% quartz feldspar, 10-30% biotite							
	429.0-429.3: biotite with sheaved granophyre, xenolith of sediments							
	429.3: 1.3 cm vein - quartz, chlorite, pyrrhotite, chalcopryite; at 15° to c-axis - vuggy zone							
	429.6: 5cm vein - quartz, chlorite, pyrrhotite, chalcopryite; vein at 15°; chalco. also disseminated in walls to 2.5cm							
	442.0: xenolith of sediment							
467.9-471.7	DIORITE-PURCELL INTRUSIVE							
467.9-471.7	Diorite - fine grained <1mm - contacts not sharply defined							
471.7-506.8	GRANOPHYRE							
471.7-506.8	Granophyre - whitish colour (quartz-feldspar) + 10% biotite.							

DIAMOND DRILL RECORD

58

PROPERTY MT MAHON

HOLE No. M.M. 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MMB7-1 Sheet No. SB of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51 m

Logged By G.m.

Claim.....

Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	488.4-489.5 : quartz vein - barren; trace biotite; at 37-40° to c axis						
	490.4-490.6 - qz vein + pyrrhotite along contact						
	497.4: clast of sediment not altered to granophyre						
	490.0-506.0 - granophyre with remnants of pebbles outlined by biotite and 1-3% pyrrhotite with chalcopyrite. The Cu minerals are <10% of sulphide.						
	This may be equivalent to conglomerate.						
	498.7: 1.3 cm qz-pyrrhotite vein at 40° to c axis						
	498.5, 498.7-500.8: pebble remnants.						
506.8-516.9	DIORITE-PURCELL INTRUSIVE						
506.8-516.9	Diorite - medium grained amphibole + feldspar						
516.9-521.2	BROKEN GROUND - SCH?						
516.9-521.2	Broken ground in drilling under diorite						
521.2-522.1	BLACK SILTSTONE + ARGILLITE						
521.2-522.1	Massive black siltstone - hardened by metamorphism?						
522.1-526.3	SILTSTONE + CONCRETIONS						
522.1-525.2	Black laminated argillite - lamin. 1-3 mm						
525.2-526.3	Massive gray argillaceous siltstone; 0.5 cm vein						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. M.M. 87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. M.M. 87-1 Sheet No. 59 of 63

Section

Date Begun

Date Finished

Lat.

Dep.

Bearing

Elev. Collar

Total Depth 610.51 m

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	of pyrrhotite + chalcopyrite at 18° to c. axis						
	525.5: 5cm biotite speckled concretion						
<u>526.3-535.5</u>	<u>GRANOPHYRE - MNLZN IN FRACTURES</u>						
<u>526.3-526.6</u>	<u>Argillite, beds distorted by bedding shearing</u>						
	<u>526.4: siltstone with concretion; fine grained</u>						
	<u>granophyre begins</u>						
<u>526.6-535.5</u>	<u>Fine grained granophyric; several fracture planes</u>						
	<u>with pyrrhotite, chalcopyrite, arsenopyrite,</u>						
	<u>(or cobaltite) + possible Au telluride-silver,</u>						
	<u>cubic cleavage.</u>						
	<u>529.4: trace pyrrhotite + chalco at 15° to c. axis</u>						
	<u>on frac. plane</u>						
	<u>530.2: chalcopyrite, 5mm, at 25° to c. axis</u>						
	<u>532.5: pyrrhotite + tr. chalco.</u>						
	<u>534.6: pyrrhotite + Co in concretion along</u>						
	<u>shear plane at 15° to c. axis.</u>						
<u>535.5-538.7</u>	<u>Thin-bedded argillite with interbedded silty</u>						
	<u>argillite; small pink garnets in narrow</u>						
	<u>greenish argillite.</u>						
<u>538.7-551.5</u>	<u>ARGILLITE - TRACE PYRRH. + CHALCO.</u>						
<u>538.7-539.3</u>	<u>Massive siltstone; band of fine pink garnets</u>						

DIAMOND DRILL RECORD

PROPERTY MT. MAHON

HOLE No. MM 87-1

[illegible]

Hole No. MM 87-1 Sheet No. 60 of 63

Lot.....

Total Depth. 510.51 m

Section _____

Dep. _____

Logged By.....G.M.....

Date Begun.....

Bearing

Claim

Date Finished_____

Elev. Collar.....

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
539.3-541.3	Bands argillite and silty argillite to siltstone. Veinlet of pyrrhotite + chalco. at 50° to c-axis						
541.3-542.9	Mostly siltstone with bands argillite; local garnets both in bands and disseminated.						
542.9-543.2	Argillite + biotite to siltstone with bands biotite, muscovite + pink garnets						
543.2-546.1	Well banded argillite, 2mm bands; yellowish to black, due to biotite; similar scale to varve marker. Becoming siltstone with garnets.						
546.1-549.3	Bands irregular + convoluted beds argillite + silty argillite						
	547.0: trace cobalt (aspy) along biotite laminations. (similar to Creston Fm in Missoula).						
	547.5-549.1: silty argillite with trace pyrrhotite						
549.3-551.5	Argillite to massive silty argillite						
	549.6: pseudo varve-type laminations						
	550.0: massive silty argillite with dissem. fr. pyrrhotite.						
	550.2: 0.3cm seam of pyrrhotite + chalcopryite at 40° to c-axis.						

DIAMOND DRILL RECORD

61

PROPERTY MT. MAHON

HOLE No. MM87-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. MM87-1 Sheet No. 61 of 63

Section.....

Date Begun.....

Date Finished.....

Lat.....

Dep.....

Bearing.....

Elev. Collar.....

Total Depth 610.51

Logged By G.M.

Claim

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
551.5-552.2	WH. ARGILL. WITH GARNET + EUHEDRAL ARSENOPIRITE (CoS?)						
551.5-552.2	Thin bands white argillite with pink garnets and rhombohedral metallic grains - arsenopyrite or cobaltite (hardness = 5); may be pseudomorphic around garnet						
552.2-553.9	ARGILLITE TO SILTSTONE						
552.2-553.9	Laminated argillite in bands with silty argillite to massive siltstone						
553.9-555.0	SILTY ARGILLITE TO SILTSTONE						
553.9-555.0	Laminated argillite to massive silty argillite with a concretion with chalc + pyrrhotite						
555.0-567.3	BANDS ARGILLITE with PINK GARNETS AND ASSOCIATED ARSENOPIRITE						
567.3-568.1	BIOTITE-RICH ROCK WITH CARBONATE PORPHYROBLASTS						
568.1-603.3	LAMINATED AND SILTSTONE + BIOTITE VEINLETS, PYRRH + CHALCOPRITE						
571.5-587.2	Silty argillite to argillaceous siltstone; biotite bands; local xenoliths (1cm) of biotite and						

DIAMOND DRILL RECORD

PROPERTY MT. MAHONHOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MM 87-1 Sheet No. 62 of 63

Lat.

Total Depth 610.51 m

Section

Dep.

Logged By G. M.

Date Begun

Bearing

Claim

Date Finished

Elev. Collar

Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	pyrrhotite. Minor garnets.						
	575.5 - 576.5: Argillite + garnet + arsenopyrite.						
587.2 - 591.92	Thin beds argillite + biotite to silty argillite.						
	589.8: "Leopard Spotted Argillite" as in 3700 tunnel						
	at Sullivan Mine near diorite						
	590.2 - 591.92: massive silty argillite with garnets						
	and garnets in 5mm biotite band.						
591.92 - 598.9	Argillite and silty argillite bands to siltstone						
	with scattered fine garnets.						
	593.5 - 593.7: 1mm vein with pyrrhotite +						
	chalcopyrite parallel to core axis.						
598.9 - 600.4	Siltstone + biotite						
	597.1: veinlet pyrrhotite + chalcopyrite at 21° to						
	c. axis						
600.4 - 603.3	Argillite + 1mm garnets to argillaceous siltstone						
	and thin-bedded argillite						
603.3 - 603.5	MASSIVE PYRRH + CHALCO CONCRETION						
603.3 - 603.5	Massive pyrrhotite + 5% chalcopyrite; may be						
	a concretion						
603.5 - 610.5	ARGILLITE TO SILTSTONE WITH						
	GARNETS						

DIAMOND DR. RECORD

PROPERTY MT MAHON

HOLE No. MM 87-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
152.4 m	9-30°	
304.8 m	9-30°	
457.2 m	9-30°	
609.6 m	9-30°	

Hole No. MM87-1 Sheet No. 63 of 63

Section.

Date Begun Sept. 14, 1987

Date Finished Oct. 3, 1987

Lat. S 18 + 04.7 (Grid)

Dep. W 501.5 (Grid)

Bearing vertical

Elev. Collar 1575 m
(5170 +)

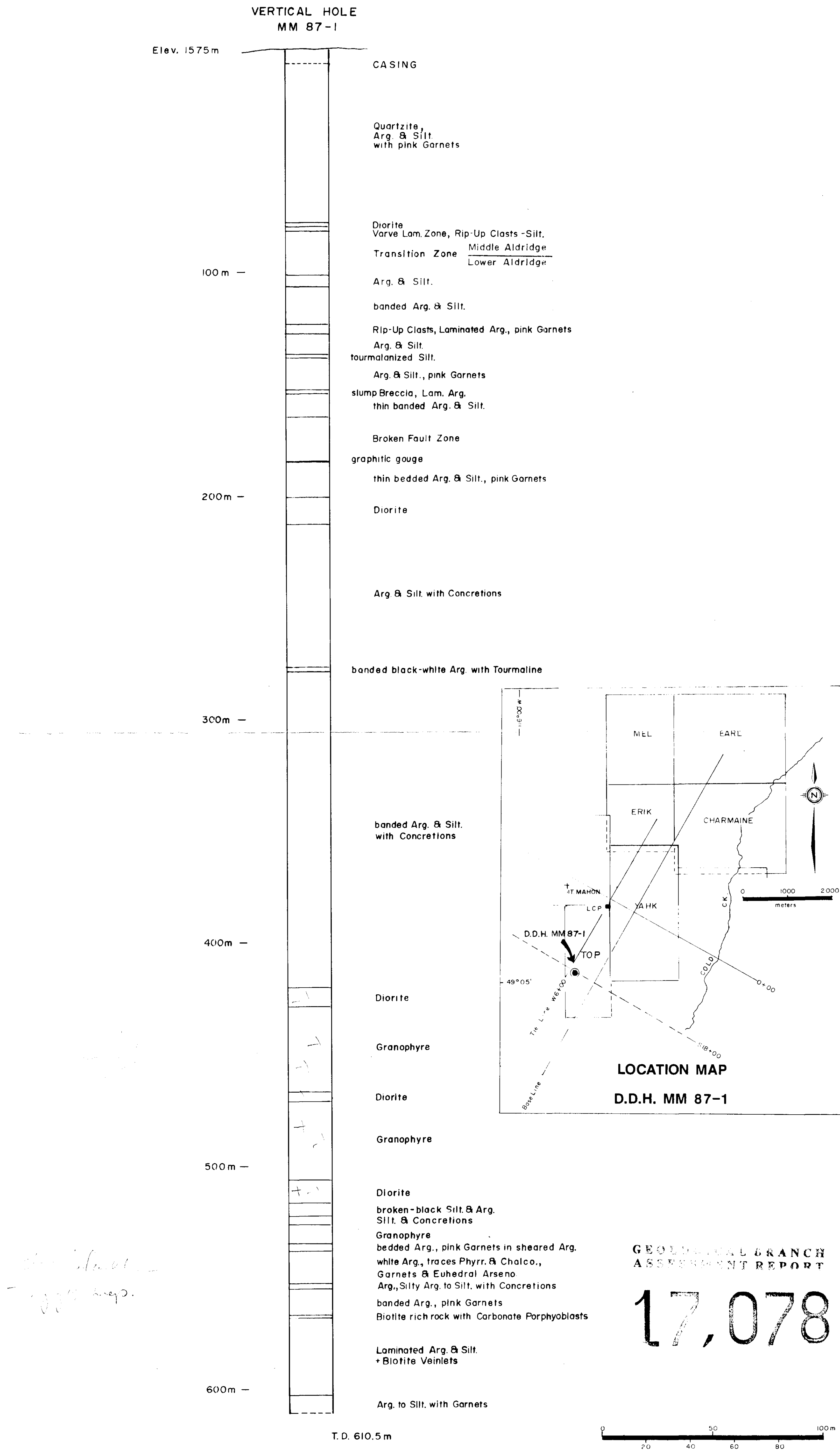
Total Depth. 610.51 m.

Logged By G. Mason


Claim TOP

Core Size N G

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
603.5-608.0	Laminated argillite, biotite-rich to massive siltstone with 2mm garnets.						
608.0-608.7	Argillite to silty argillite to siltstone; bands biotite + garnets locally						
608.7-610.5	Band argillite to massive siltstone 609.6-610.5: calcite-filled joint at 15° to c-axis.						
END OF HOLE							
Collar is maintained with casing so coring may continue to greater depth.							
		Gerald Mason					
		413 - 4 th Ave.					
		Kimberley B.C. V1A 2R7					
		427-3197					
		Jan 27, 1988					



shear zone
- arg. & silt.

 Chevron Canada Resources Limited Minerals Staff			
MT. MAHON Diamond Drill Hole M.M. 87-1			
FIGURE No 5		PROJECT No M 525	
DATE Feb. 1988	REVISIONS	SCALE	
NTS No 825/1 -G/4		FILE No	
COMPILED BY J.P.H.			